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for demanding applications. It is less flexible than the 1202, but features stability and accuracy of pulse widths, pattern, and element placement. The price is \$4,900. The 1222 includes larger-scale integrated circuits and PROMs to establish raster format in an accurate, clocked, computer-type design. The price is \$6000.



Program Interrupt Model PI 2320

The Program Interrupt, Model PI 2320, a director's communication station especially designed for field use, has been announced by Broadcast Technology Inc., 33 Comac Loop, Ronkonkoma, NY 11779. It is a self-contained unit incorporating a microphone, speaker, and a VU meter operating from a choice of "D" cell batteries, BP 90 NiCad battery, or 120/240 V ac. The NiCad battery is trickle-charged from the ac supply. Connections to the two primary inputs as well as a 4-wire intercom are by XLR connectors or binding posts. Nine 600-ohm cue outputs made through XLR connectors or a parallel terminal strip may each select an individual external source through additional XLR connectors and parallel terminal strip. The nine outputs and the intercom may be interrupted by the director individually or simultaneously by momentary lever switches. A readily distinguishable signal generator may be switched into the interrupt bus for system checkout and line identification.



KVS Pro Editor

A new, lightweight, 16-mm viewer/editor, the KVS Pro Editor, has been announced by Saxon Media Equipment, 5334 Woodman Ave., Van Nuys, CA 91401. The editor comes complete with a magnetic sound head. Other features of the editor include a heat-absorbing glass that prevents the

film gate from over-heating, and a polished guide rail that provides scratch-free handling of even the most delicate color emulsions.

The magnetic head is mounted beside the picture, providing full-frequency sound playback. This arrangement allows picture and sound to be edited in dead sync.

Optional accessories for the KVS Pro include an attachable solid-state speaker/amplifier and an optical reader for reviewing composite release prints.

**A new type of film cleaning/conditioning system, the CF3000 VCS, that consumes considerably less cleaning fluid than previous designs, has been announced by Lipsner-Smith Co., 4700 Chase Ave., Lincolnwood, IL 60646. Based on the design of the CF-2 film cleaning system, the system has been changed by replacing the drying tower with a low-volume, high-pressure air cushion that returns to the system the fluid and vapor previously lost. Venting requirements are thus reduced. Components include refrigeration coils for vapor condensation and distillation system for recovery of contaminated solvent. The CF3000 handles 35-mm and 16-mm film on reels or flanges.**



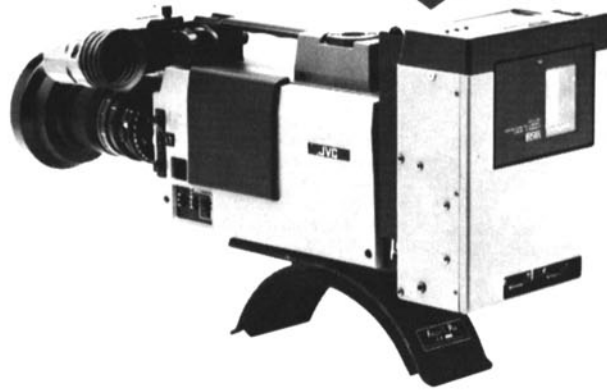
*BP90 battery pack*

A rechargeable nickel-cadmium battery pack for video recording equipment has been announced by Alexander Manufacturing Co., Box 1645, Mason City, IA 50401. The BP90 pack, which can replace either a Sony BP90, or an Alexander BP40, has a taped case to provide easy access for on-the-spot repairs. There is an internal fuse, an improved rugged plug and cord, and a pull tab for quick removal from the equipment.

Two new television antennas have been announced by Harris Corp., Broadcast Division, P.O. Box 4290, Quincy IL 62305. The 5-bay circularly polarized VHF low-band antenna has been designed for use with 60-kW transmitters. It has low windload and offers lower tower and installation costs and less wind sway. It is available in the standard low windload design or with extended radiation center as a direct replacement for batwing antennas.

The Harris Wavestar™ UHF slot antenna is designed to reduce off-air time and to provide lower maintenance costs. The Wavestar has no center conductor, couplers, or insulators; however, it offers higher power handling capabilities than coax antennas and has increased safety margins to prevent arcing.

## New "Frezzi" ON-CAM" VTR system mounts on your own cameras.



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