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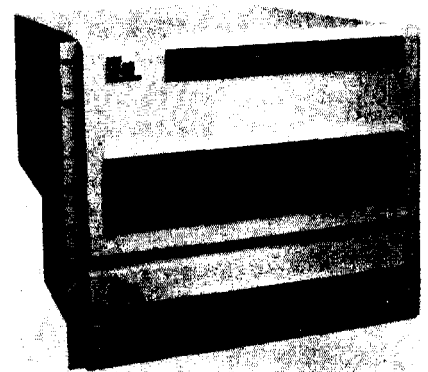
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NEW PRODUCTS AND DEVELOPMENTS

A new method of video animation, using a videotape recorder resulting in a simpler and more efficient procedure than previous methods has been developed by 3M's Professional Audio/Video Equipment Project. Key to the new process is the frame-by-frame tape movement on the 3M TT-7000 videotape, which eliminates the need for a separate editing system to control pre-roll and record point index. The new application of 3M's Automatic Track Following system in the TT-7000 videotape recorder permits tape movement one field at a time without pre-roll and exact recording with immediate playback of each field while the tape is stationary.

image of the preceding frame and the camera output of the frame to be recorded. The system allows any number of frames to be recorded in a sequence at rates of up to eight pictures per second. If revisions are necessary, the system makes it possible to edit one field at a time to stop motion.

Additional information is available from Department MN81-47, Box 33600, St. Paul, MN 55133.



A new digital video system for the simultaneous transmission of two video signals on a single conventional video channel has been announced by NEC America, Inc., 130 Martin Lane, Elk Grove Village, IL 60007. Designated the DV-10, the system is provided in two separate packages — a small video multiplexer for field use and a video demultiplexer (shown above) for use in the studio or reception point environment. The DV-10 uses a horizontal signal compression technique that eliminates problems inherent in the alternate field approach, the use of which results in flicker of the image whenever motion is displayed. The new technique stabilizes the images. The DV-10 provides time base correction for videotape recordings supplied as input signals.

The DV-10 can be used on AT&T Long Lines or with a single transponder for dual movie or program distribution.

A modular test signal generator, the TG-7, has been announced by ASACA, 1277 Rand Rd., Des Plaines, IL 60016. The sync signal generator contained in the main-frame permits color lock and genlock with the composite color video signal or synchronization with color burst. It can accommodate up to three plug-in modules including linearity, color bar, sine wave, square wave noise test, and VITS generator units. They can be activated using the sig-

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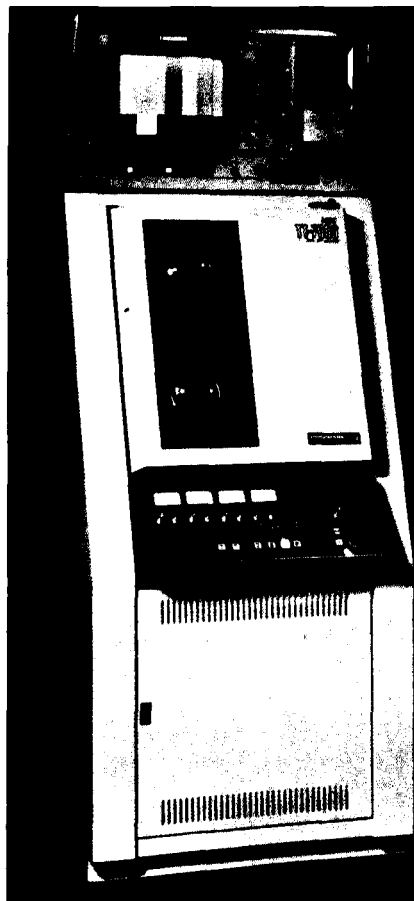
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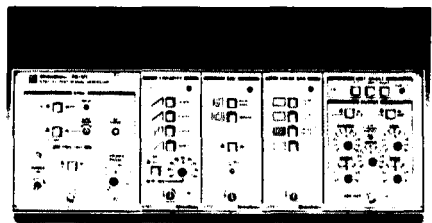
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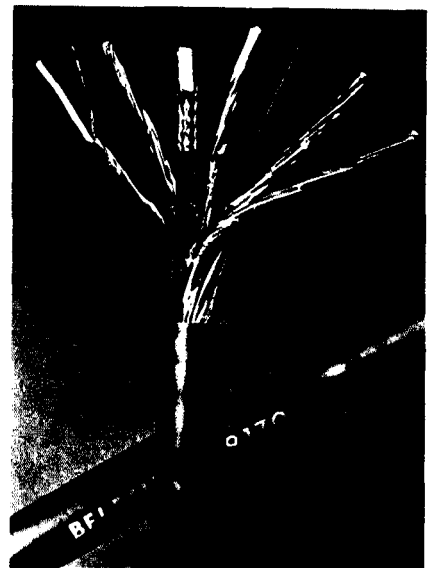


Frezzolini Electronics Inc.

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nal selector switch on the mainframe control panel. Signal selector switch can be remote controlled. The TG-7 contains a built-in dual-axis balanced modulator permitting the chroma phase to be varied from 0 to 360°. The mainframe and plug-in modules are coupled with dc circuits. Switches provided on the front panel enable selection of horizontal or vertical drive for a trigger pulse output. The TG-7 is priced at \$3100.



A 12-conductor TV camera cable for ENG/EFP applications has been announced by Belden Corp.'s Electronic Division, 2000 South Batavia Ave., Geneva, IL 60134. The cable consists of color-coded vinyl insulated conductors comprising five twisted pairs. The assembly is cabled together inside a chrome vinyl jacket with an overall outer diameter of 0.490 in. There is an attenuation of 12.5 dB/100 ft at 400 MHz. Prices range from \$319.50 for 250 ft to \$1,278 for 1000 ft.

The **InteLens™** incorporating a micro-computer for control of the zoom and iris functions has been announced by Animation Video, 1315-B East St. Andrews Pl., Santa Ana, CA 92705. The front panel controls on the lens allow manual control of the zoom from 1.5 field to 16 field in 1/100 field increments. Motion may be a step at a time or continuous at a variable zoom rate. The iris can be set to any value from $f/3.2$ to fully closed in steps of 1/400 of the total range. The lens incorporates an RS-232 port for programming fully automatic moves using an external pro-

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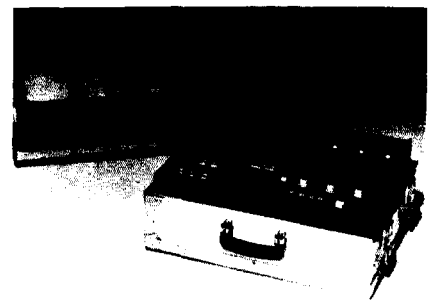
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gramming device. Any computer with an RS-232 port may be programmed to control the Intelens.

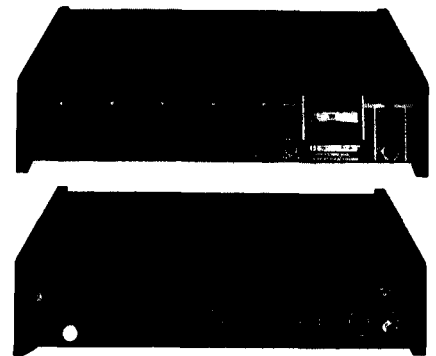
The **Elicon Follow Focus System** is now available in kit form, it was announced by Elicon, 254 Viking Ave., Brea, CA 92621. The Follow Focus System is designed to keep motion picture animation stands and tracking cameras automatically in focus during zooms. The kit, designated FFT-100-K, is a complete package containing all the electronic components necessary to make an operational follow focus. The FFT-100-K can accept any lens (except anamorphic lenses) between 9- and 300-mm focal length. The lens focal length is set on a front panel display to allow for fast, easy lens changes. The kit contains a fully assembled and tested follow focus electronic box, a dc servo motor for movement of the camera and lens assembly, a track position sensor, and a lens position sensor. Step by step plans for the assembly and alignment of the follow focus system are included.

A **film-chain television camera** for on-air or film-to-tape transfer has been announced by Ikegami Electronics (USA) Inc., 37 Brook Ave., Maywood, NJ 07607. The TKC-990 is a photoconductive color tele-

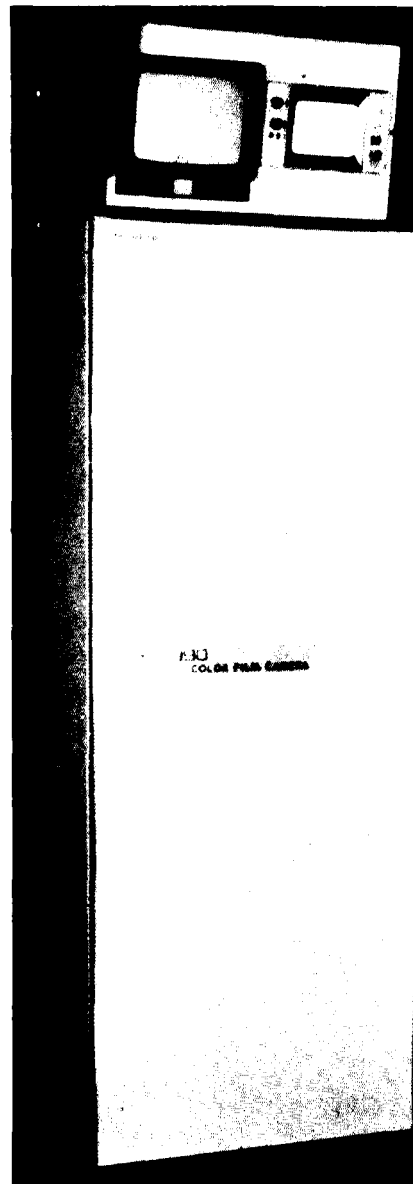
cine camera with fully automated setup, provision for projector characteristics, and camera-to-camera equalization, and automatic or preset correction for film deficiencies. Centralized remote control for multicamera installations is also provided. The TKC-990 has been designed for on-line applications such as local viewing or direct on-air broadcasts, and for off-line applications such as teleproduction and videotape recording. For on-line use, film characteristics can be uncorrected, manually corrected, or automatically corrected. For off-line uses, detailed operator scene-by-scene corrections can be established and stored for retrieval during subsequent playback of the film and transfer to videotape.



A **portable television field production system**, the ASW-100, has been announced by ASACA, 1277 Rend Rd., Des Plaines, IL 60016. Self-contained and lightweight, the system provides monitoring, switching, camera control, tally, and intercom facilities. The ASW-100 has automatic camera phase control and camera remote control functions, and it can function as a mixer and fader. It can operate up to three cameras and can be used with 12 V dc or any ac power outlet. Character generator input with downstream can be mixed or keyed. Internal sync generator can be locked by external black burst. The ASW-100 weighs less than 33 lb. The price is \$22,600. An optional plug-in special effects unit that offers 12 wipe patterns, three edge controls and three wipe directions is priced at \$4725.




A **new microphone mixer**, the M267, designed primarily for use in studios and remote applications, has been announced by Shure Brothers Inc., 222 Hartrey Ave., Evanston, IL 60204. It can be used as a single, complete, compact console or as an add-on mixer for expanding existing facilities. The front panel (top) of the M267 includes four volume controls plus a separate master control for simultaneously adjusting the volume on all five input sources. Other features include an oscillator switch, illuminated VU meter, and an adjustable headphone level control. The rear panel (bottom) has four standard microphone inputs, each of which is switchable to simplex power for condenser microphones. A mix bus jack is included to facilitate "stacking" the mixer with other Shure M-line products in order to achieve additional input capacity without losing any inputs. The M267 unit is priced at about \$395.



The camera uses three 1-in vidicons or Saticons. The pickup tubes feature dynamic focus and digital registration and shading correction together with an improved deflection coil assembly to provide resolution of 700 TV lines at the center and 600 TV lines at the corners.

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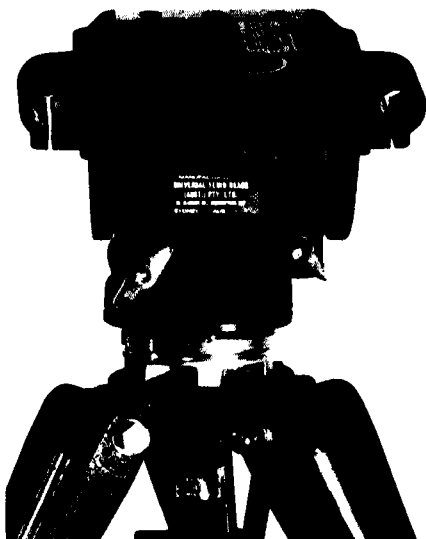
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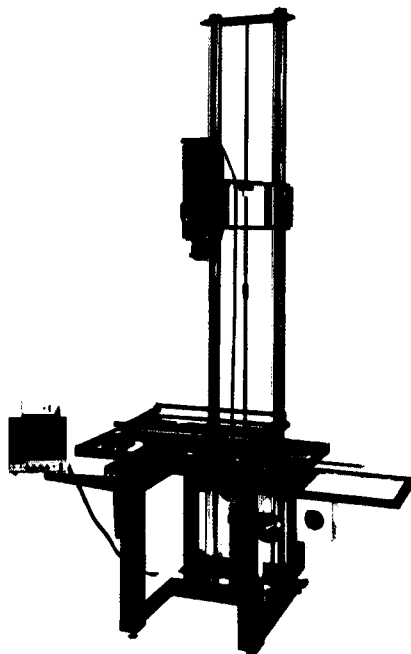
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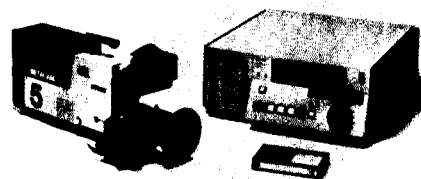


A new universal fluid head, Model 808BVSL, has been announced by Bush and Millimaki Services, Inc., 902 Bob Wallace Ave., S.E., Huntsville, AL 35801. Features include a Snap-Lok quick release camera mounting plate built into the top of the head. Weight capacity is 15 lb. Other features include Positive Tilt Lock, Autoslip (self-adjusting automatic-breakaway free pan), and dual handle capability. Price with one handle is \$575.



A new video and film camera stand designated the Pioneer Cine Model 3300 has been announced by Pioneer Marketing Corp., 7702-4 Balboa Blvd., Van Nuys, CA 91406. The camera stand is designed to accommodate video, film, slide, and filmstrip cameras. Features include col-

umns 8.5 ft high, compound with N/S, E/W movement, 360° rotation, two 24-in peg bars, platen assembly, 9 × 12-in openings for underlight, pantagraph, motorized camera zoom with variac speed control, 5-digit counters, handcranks for peg bars, N/S, E/W, and zoom and heavy gauge angle iron base. A number of optional features are available.



The BVW-1 Betacam, a portable, combined camera and 1/2-in VTR for broadcast use and a replay unit for the Betacam, the BVW-10, have been introduced by Sony Corp. of America, 9 W. 57 St., New York, NY 10019. The BVW-1 has a separable VTR/camera package for ease of maintenance and uses a new high density video recording format. With the BVW-10 playback VTR, Betacam recordings can be transferred to or edited onto either U-matic or 1-in formats. The BVW-1 has a new HBST single pickup tube with full NTSC bandwidth capability. The integrated 1/2-in

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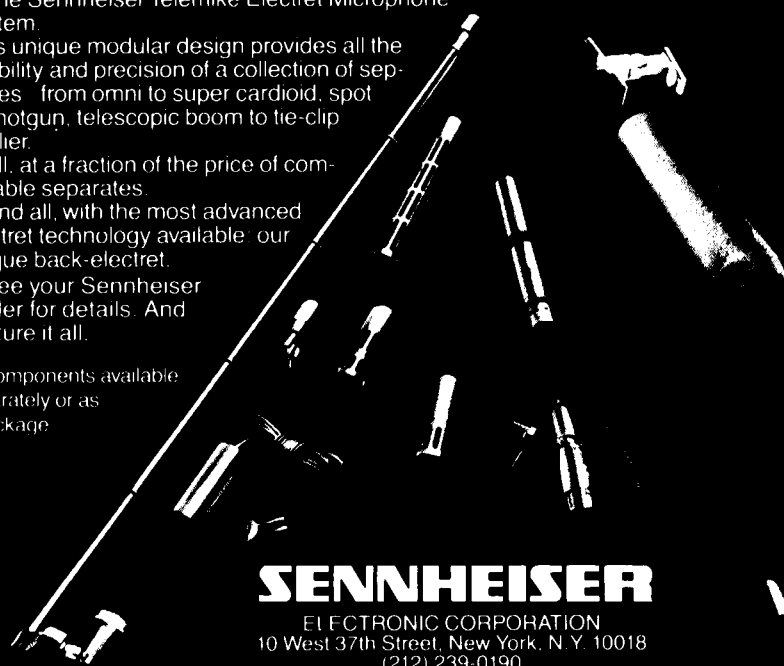
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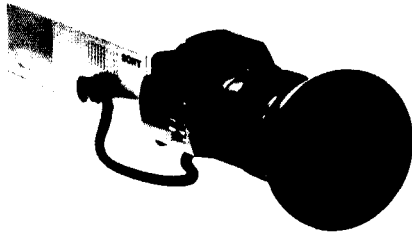
Memo to Members: Have You Signed Up A New Member Lately?



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., 862 Scarsdale Ave., Scarsdale, NY 10583.

VTR uses an L-500 Beta Videocassette that delivers 20 min of recording time.

The BVW-10 cassette player provides interface between Betacam and editing and program production systems. Freestanding or 19-in rack mountable, it is front loaded and offers full Bidirex control of shuttle and jog functions. The machine's control panel contains all tape motion controls and an eight-digit time code readout. Viewable pictures are provided in fast forward and rewind modes.



A new single tube color video camera designed for use with specialized fiber optics and a variety of other optical instruments in fields ranging from medicine to metallurgy has been announced by Sony Video Communications Division, Sony Video Products Co., 9 W. 57 St., New York, NY

10019. Called the DXC-1850, the camera weighs 1 lb, 9 oz. It uses Sony's HBST High Band Saticon™ Tricon pickup tube. The camera is especially suited for medical use, surveillance, teleconference and other industrial applications. The camera conforms to UL-544 medical standards with electrical leakage kept below 10 micro amps.

A new studio zoom lens, the P25X15ESM, has been announced by Fujinon Optical Inc., 672 White Plains Rd., Scarsdale, NY 10583. The lens combines 15-mm wide angle coverage with the flexibility and range of a 28X zoom. For added range it has a built-in 1.7X range extender. The maximum aperture is $f/2.2$, a speed which remains flat to 150 mm and drops to $f/3.0$ at 300 mm. The minimum object distance is 0.9 m, overall range is 15 to 420 mm, and with the extender in place, 25.5 to 714 mm. The lens weighs about 27 kg.

A new audio recorder, the ATR-800, has been announced by Ampex Corp., 401 Broadway, Redwood City, CA 94063. Designed for use by the radio and television broadcaster and recording studio professional, the system can be converted from one to two to four channels. A cue amplifier

has been built into the system to permit monitoring of a single channel or multiple channels of the tape during editing or while it is being cued. Features include an electronic tape time and the single point search-to-cue. With this feature the recorder will automatically return to a designated cue or edit point. The recorder has been designed to accommodate a fourth head for playback of two different tape formats without requiring a head assembly change. The ATR-800 is available in one, two and four channel configurations. The basic two-channel recorder is priced at \$5,450. Available options include the interface required to use professional noise reduction systems, and a tape marker and cutter designed for direct marking and cutting of the tape at the push of a button.

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