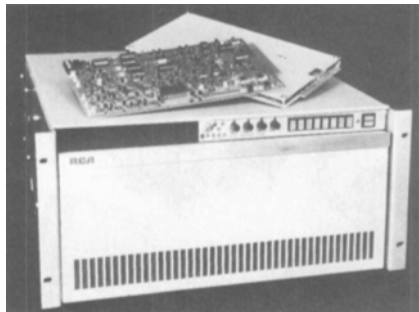


New Products & Developments



A television frame synchronizer system specifically configured for electronic newsgathering operations has been announced by RCA Broadcast Systems, Camden, NJ 08102. Designated the TFS-121A ENG synchronizer, the system includes the basic frame synchronizer, a built-in time base corrector, and freeze frame capability. As a synchronizer, the TFS-121A eliminates the need for genlocking by switching smoothly between nonsynchronous sources without disrupting sync. The new built-in time base corrector module in the unit simplifies ENG operations by

eliminating the need for a separate TBC in the field. The freeze frame capability produces a still picture that can be used for providing transitions to and from studio, network, live ENG, or taped news items. The TFS-121A is priced at \$34,900.



A video image analyzer incorporating a microprocessor, and plug-compatible with Data General computers, has been announced by Octek Inc., 121 Middlesex Turnpike, Burlington, MA 01803. Designated Model 2000, the 8 x 300 unit can simultaneously digitize and store (on-board) video from a television camera or other image source in real time, enter it into any host Data General computer, and display it on a television monitor. The self-testing 15- x

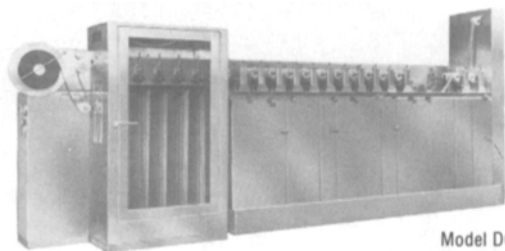
15-in card also performs graphics generation, image processing, and archival image storage when used with a disk memory. If used with a modem it can transmit television images over voice grade telephone lines. With a host computer access time of 800 ns per pixel, the Octek Model 2000 offers a resolution of 320 pixels (X-axis) by 240 pixels (Y-axis). To emphasize or deemphasize image features, the 16-level gray scale is modifiable by an input/output computer programmable lookup table. Typical applications include automatic inspection, surveillance, video animation, area and volume analyses, and others. Model 2000 is priced at \$4700.



A new dual format digital telecine, designated FDL 60, has been announced by Robert Bosch GmbH, Geschäftsbereich Fernsehanlagen, 61 Darmstadt, Robert Bosch Str. 7, Germany. The scanner is a tubeless solid state CCD (Charge Coupled Device) unit said to offer excellent color reproduction and resolution. Features include the digital framestore and a capstan-drive film transport, variable between 0 and 25 frames/s. Rewind speed is high, and positive or negative 16mm or 35mm film can be used. Prices begin at \$170,000. A number of options are available.

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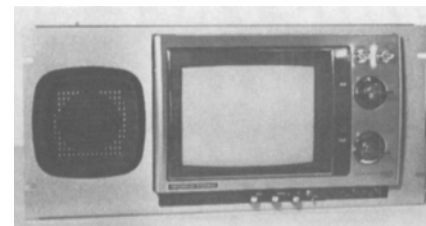
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Three new 8-in color monitors, the CP 8000, the RV 2801 RK (shown above), and the RV 2802 RK, have been announced by World Video, Inc., P.O. Box 117, Boyertown, PA 19512. The CP 8000, intended mainly for field use, can operate from 100 V ac or 12-24 V dc, and is also available in a rack-mount configuration. CP 8000 features include high voltage regulation, pulse-cross, underscan, dual inputs, internal-external sync, and solid state modular circuitry. All controls are easily accessible from the front control panel. The price is \$1295 with an audio option available for \$50.

Designed for utility purposes in studio control rooms, the RV 2801 RK color/receiver monitor is priced at \$930, and the RV 2802 RK color video monitor is priced at \$870. The height

(8.75 in) facilitates mounting in standard racks. Options such as underscan and pulse-cross are available.

Also announced was a pulse width indicator (PWI/H) for measuring pulse width on the horizontal line of video. The device enables measurement of any pulse on the horizontal line, such as blanking, sync, burst, breezeaway, etc., with an accuracy of 0.05%, with the result read in microseconds on the LED display on the front panel.



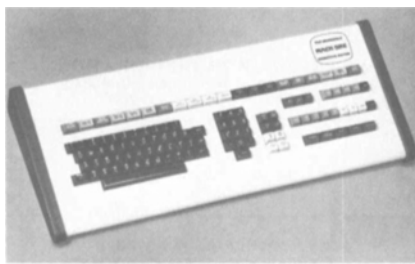
The Barco CM 33, a 14-in color monitor (shown above) designed especially for ENG/EFP applications, has been announced by Barco Electronic, Noordlaan 5, Industriezone, 8-8720 Kuurne, Belgium. (U.S. distributor: E & O Systems Ltd., Santa Clara, Calif.) As a monitor, the CM 33 can be connected to a video camera and/or a VTR or used as a data display for industrial or home computer systems. It accepts 1-V p-p composite video signal on BNC and "J"-type 8-pole sockets, both offering loop-through facilities. The CM 33 is available in PAL, SECAM, or NTSC 3.58 versions. Modular construction allows easy interchange of the decoder modules. Supply voltages are 110/220 V, 50/60 Hz. Prices range from \$2075 to \$2310. Available options include a 12- or 24-dc power supply module and an easily mountable sunshade.

Also announced was the Barco AVD 33 demodulator which accepts television off-air signals to deliver video (2 BNC sockets) and audio (DIN sockets) outputs. The demodulator can be used as a separate unit or in combination with the CM 33 monitor to transform it into a receiver monitor. The digital tuning system uses the latest voltage synthesis techniques and offers a 20-channel memory capacity. A bidirection, sequential channel selection is provided with a 2-digit, 7-segment LED display of the selected channel. Available in mono- or multi-standard versions, the demodulator is equipped with a built-in monitoring loudspeaker and supplementary connections for a second loudspeaker and headphones. The price for the mono-standard instrument is \$950.



A 6-plate 16mm film flatbed editing table, the MKM 1600, has been announced by MKM Industries, Inc., P.O. Box 313, Skokie, IL 60076. The MKM 1600 has one picture head and two sound transports. The picture head can be equipped with both optical and magnetic sound readers. The control is primarily electronic, functionally similar to other professional flatbed designs. Scratch mixing is offered as an option. Features include a 1200-ft film capacity on cores;

an original picture head design incorporating a 12-sided prism; and a 21-V, 150-W dichroic projection system. The machine has variable speed control from less than 2 frames/s to 170 frames/s. Each track may be manually indexed. Other features include crystal controlled 24- or 25-frames/s sync speed lock; 16mm magnetic film transports, flywheel-stabilized for good quality sound; and a built-in solid state amplifier with speaker and graphic level control mixing board. Frames and time are displayed on a 1/2-in LED counter. The unit weighs 120 lb. It is multi-voltage with power line inputs for 117, 220, and 240 V, 50 or 60 Hz. The price is \$4950. A 4-plate version is also available.



A computerized videotape editing system, the Mach One, providing a full range of editing capabilities, has been announced by Mach One Digital Systems, 3515 Cahuenga Blvd. West, Los Angeles, CA 90068. The Mach One System performs off-line editing, on-line editing, and assembly (auto-edit) functions. The heart of the system is a DEC LSI-11 computer, programmed to control nearly any configuration of switchers and 2-in quad, 1-in, or 3/4-in videotape recorders. The single-rack-mounted electronics are instantly expandable to upgrade the system from a

simple two-VTR cuts only to a fully equipped six VTR system.

The operator's control panel has been designed to provide quick, accurate, and convenient setup of audio and/or video transitions. The keyboard offers many one-button commands which eliminate nonessential computer communication. Tentative edits are entered into a decision list for preview, modification, or recording. Any list entry is instantly accessible for review or modification. Insertions or deletions may be made at any time with automatic recomputation of all record times and the total duration. System status, together with the complete decision list, is viewable at the operator's console monitor.

Decision list entries, or events, define the in- and out-points in SMPTE frame code values. The frame code may be recorded on the source tapes at the time of the original taping, or may be added at a later time prior to editing. Similarly, each event entry defines the record in and out times. The combined a/v event may be audio-follows-video or the audio may be split at the in- and/or out-point by up to ± 999 frames with respect to the video in- and out-points.

Transition types are limited only by the attendant switcher/effects generator, but are typically cut, dissolve, wipe, key, or manual. Edit points are previewable at any time. Edit decisions may be previewed, recorded, or held for later auto-assembly. Recording may be accomplished one event at a time, automatic/sequentially, or in checkerboard fashion. Any recorded event may be immediately replayed.

The system includes the operator's keyboard, rack-mounted electronics, high speed paper tape reader/punch and printer, and a one-year package of software updates. Prices begin at \$50,650.

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A 16mm sound projector, Model 90-25MC35, that can use either the Marc-300 or Marc-350 GE Quartz lamp in conjunction with a newly developed solid state power supply, has been announced by Kalart Victor Corp., Plainville, CT 06062. The lamp may be interchanged without the need for special tools. Features include "Easy-Load" threading; rewind system for operation through the gate or reel-to-reel — the film can be removed or rewound without a need to project the full reel; a 2-in, *f*/1.2 projection lens with rack and pinion focusing; a 25-W rms solid state amplifier with frequency response flat from 100 to 18,000 Hz; and built-in 4- × 8-in speakers with external speaker outlet. The projector is priced at \$2140. An optional dual changeover accessory permits use of two projectors for continuous long-feature operations.

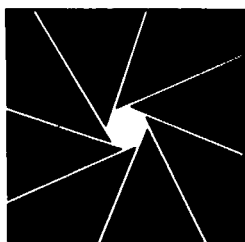
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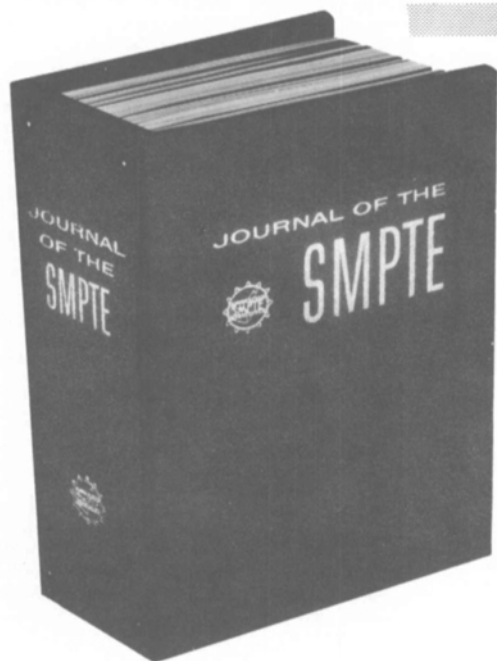


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Cisco '79527
Classified532
Electro-Voice522
F & B/Ceco513
Filmline Corporation528
Frezzolini Electronics	.....526
Goldberg Brothers	.....520
Hitachi Denshi America, Ltd.	....505
Kemps Publishing Group	.....531
Key Systems	.....532
LaVezzi Machine Works, Inc.	....529
Lowel Light Mfg., Inc.	.....516
Motion Picture Laboratories	.....507
Multi-Track Magnetics	.....517
Nagra Magnetic Recorders	.....514
Professional Services530
SMPTE515, 519, 524, 531
Tiffen Manufacturing Co.525
Western Cine518



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