

New Products & Developments



The Rank Cintel MK III Flying Spot Color Telecine has been announced by Rank Precision Industries, Inc., 411 East Jarvis Ave., Des

Plaines, IL 60018. It has new techniques for the multiple scanning of film frames using digital video storage and provides excellent resolution low SNR without such problems as flicker and minor picture instability. The MK III uses a large diameter CRT, photoelectric cells (PEC) and has a simple optical path, the combination resulting in an excellent SNR and, since there is no storage of information in the PECs, no lag can take place on moving objects. A much reduced number of glass-to-air surfaces and elimination of the photoconductive target layer in the pickup tubes reduces flare to a minimum and at the same time gives much greater resolution.

The MK III is available as 16mm or 35mm uniplex equipment. Additional vision gates are available to enable the one universal transport to operate with 16mm, 35mm or 35mm slides. Audio sources are selected by simple switch operation. Vision selection between color/monochrome, positive/negative and test/normal is also carried out by simple switch selection. The telecine is not only multifilm format but is also multi-TV-standard compatible, with the capability of automatically changing between 625 lines 50 Hz and 525 lines 60 Hz. CinemaScope films may be reproduced in two ways, either by

the "letterbox" format or by the Panscan mode in which the line scan is reduced to establish the correct aspect ratio but may pan across the film frame to center the action in the reproduced picture, giving the viewer an apparently normal full frame picture.

The film is transported by a capstan and the "jump scan" principle is employed to accomplish multiple scanning of each film frame. The use of a synthetic rubber faced capstan leads to a simple lacing path with no free loops to form and only a slight free sprocket. The film is transported at a constant speed of 25 frames/s or 24 frames/s on 625/50 or 525/60 television standards locked to reference television frame sync pulses.

Options include cue dot detection for automatic stopping, facility for storing frame numbers for automatic location and stopping, and remote control for up to two stations. Price of the MK III telecine depends on the makeup and accessories but is usually about \$100,000.



An all-digital video processing system, the DPS-1, has been announced by Digital Video Systems, 519 McNicoll Ave., Willowdale, Ont., Canada M2H 2C9. Features include a super-

EDIT, PREVIEW, INSPECT AND CLEAN SOUND FILMS IN A SINGLE PASS!



NEW
TV-120™

RTI RESEARCH
TECHNOLOGY
INCORPORATED

4700 Chase, Lincolnwood, IL 60646

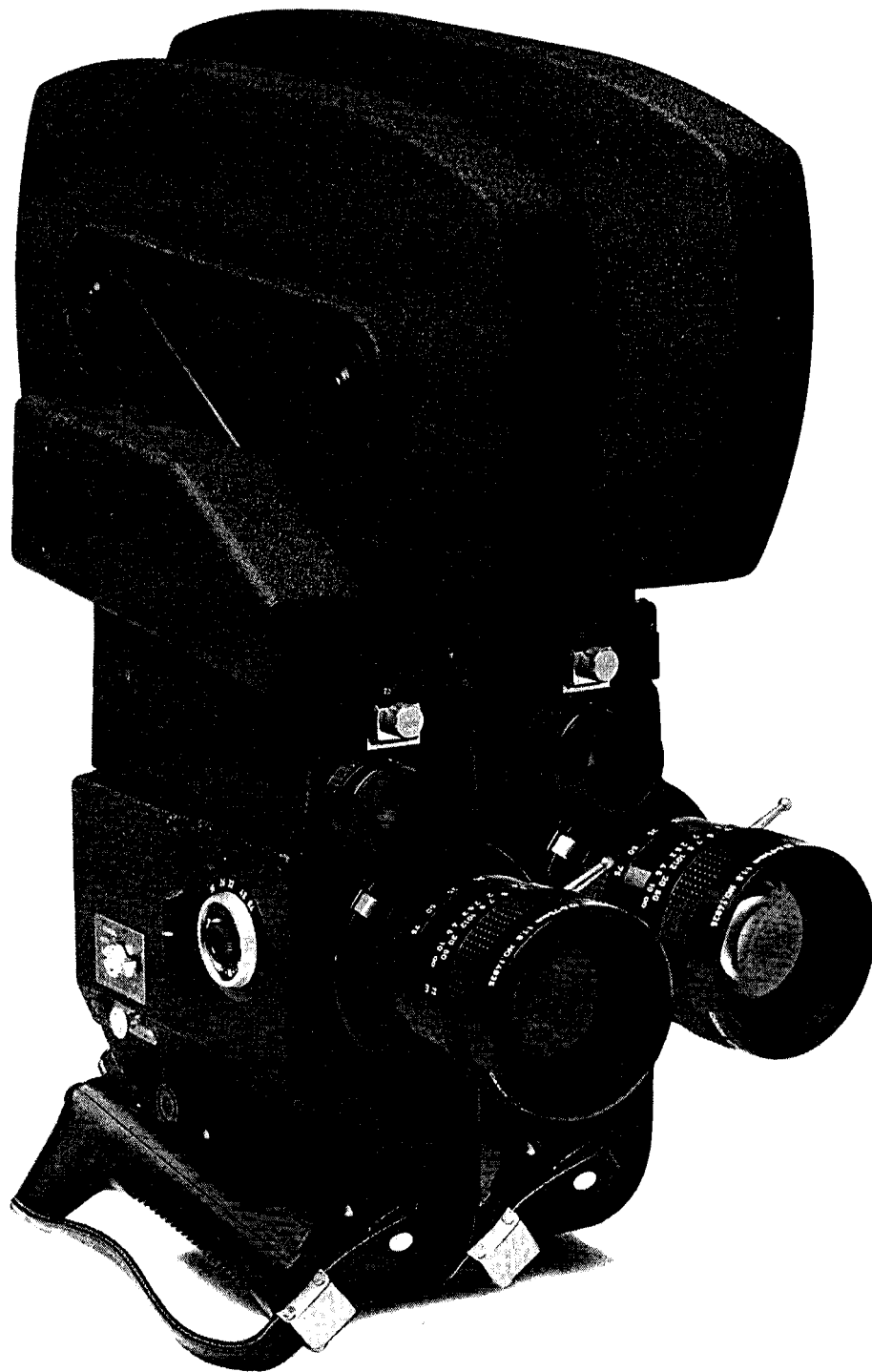
TV-120 with Previewer is the first total film-care system for TV stations and film labs. With digital counter that reads in either footage or time plus an unerring cue-tab detector, TV-120 inspects for film defects at speeds up to 1600 feet per minute. Automatically finds edgecuts, bad perforations, poor splices, even sound track flaws, stopping instantly on each defect.

NOW WITH QUIK-TRAC™ SPEECH PROCESSOR

You can also preview and edit your films as you inspect and clean. Previewer with big 40-square-inch screen, locked-in sound speed and variable edit speed is now available with new Quik-Trac. This is the first speech processor to be integrated with a film-editing system. Computer-type electronics play back speech at *normal pitch*, even at twice sound speed! Cuts previewing time and labor *in half*.

TV-120 IS ONE OF NINE NEW FILM-CARE SYSTEMS BY RTI. CALL 800/323-7520* FOR COMPLETE CATALOG.

*From Alaska, Hawaii, Illinois or outside U.S.A., call 312/677-3000 collect.



TWO FOR THE PRICE OF ONE.

If you can find all Scoopic's features on another 16mm camera, you'll find something else as well. A price tag that's twice as high—or more.

Yet the Canon Scoopic 16MS gives you all the performance and dependability that made its predecessors the favorite of news and documentary cameramen worldwide. Plus greater

built-in flexibility. And extra versatility, thanks to a number of new accessories.

It adds up to greater creative potential at substantial savings. Which means more accessories you can now afford; more to spend on film and processing; a larger budget for your next production. . . or another Canon Scoopic 16MS.

*Optional

Canon®

Professional Motion Picture Division, 10 Nevada Drive, Lake Success, N.Y. 11040, (516) 488-6700;
123 Paularino Avenue East, Costa Mesa, Ca. 92626, (714) 979-6000;
Canon Optics & Business Machines Canada, Ltd., 3245 American Drive, Mississauga, Ontario, (416) 678-2730.

Meet the AKG "Filmmakers"

As our name implies, Akustische und Kino-Geräte GmbH,* AKG originally was associated with the motion picture industry. After a fruitless search to find microphones suitable for the degree of sound sophistication necessary to meet our standards, we started to develop and build microphones of our own. Ever since that time, motivated by a strong desire for precision and quality, AKG has advanced to the forefront in microphone technology and development.

Today, we have the broadest line of film makers' microphones including dynamic and condenser types. AKG offers the only traditional

modular condenser microphone system available...also modular electrets as well. For location, sound stage or studio use—whether hand-held, fishpole or boom supported—AKG precision-built microphones range from lavaliers through shotgun models.

Professional and amateur movie-maker alike will discover that AKG's range of microphones cannot be surpassed in totally satisfying their sensitivity and creative needs in film sound, which is fast becoming one of the most significant parts of their art.



PHILIPS AUDIO VIDEO SYSTEMS CORP
A NORTH AMERICAN PHILIPS COMPANY
91 McKee Drive, Mahwah, N.J. 07430 • (201) 529-3800



The Mark of Professional Quality...
in microphones, headphones,
phonocartridges, reverb units.

*Acoustical & Motion Picture Equipment Company

FREEZE-FRAME & SLO-MO "the easy way"

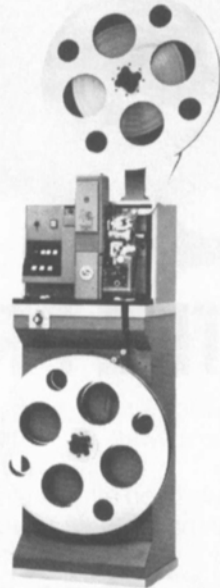
ATHENA 4000



ATHENA 5000

The Athenas give you
six more features
than the RCA TP-66
or the EK CT-500:
AT LOWER COST!

1. Freeze-frame, instant start/stop, animation, slo-mo—all direct from film to tape by TV film chain.
2. Digital control CMOS circuitry for complete low-voltage remote control and/or computer control.
3. 115V 60 HZ or 220V 50 HZ
4. Modular digital design for easy service.
5. Extended 2-3 year warranty.
6. Insured against obsolescence—retrofitable to new design improvements and options.



Call or write Pat Smith, Dave Stern or Bob Lawrence for additional information and/or name of nearest dealer.

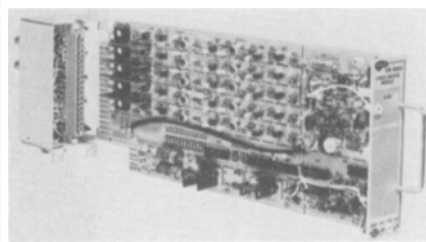


L-W INTERNATIONAL
6416 Variel Avenue
Woodland Hills, CA 91367 U.S.A.
Telephone: 213/348-8614

wide 32-line window, an internal test signal generator and a microprocessor control. The 32-line window eliminates normal gyro errors in videotape recordings and permits expansion within the system to field store or frame store memory with the exchange of the memory circuit boards. The internal digital test signal generator has eight numerically generated signals including color bars, linear ramp and modulated stair step. It is used for system self-test and analog input/output calibration.

The use of adaptive digital technology solves many of the problems of providing a complete time base corrector system without constant fine tuning and setup adjustments between tapes. The totally digital approach allows for digital analysis of burst signals for line by line clock phase and frequency correction to the nearest 1/2 ns. An internal microprocessor controls all operating functions of the DPS-1.

The DPS-1, an NTSC digital time base corrector system, converts video signals to 8-bit words at four times the color subcarrier frequency. Prices for the basic DPS-1 start at \$14,000. Available options include a velocity compensator and a dropout compensator priced at \$1500 each.



Audio switching and video switching have been added to the Series 5900 Broadcast Distribution Equipment family, it was announced by Dynair Electronics, Inc., 5275 Market St., San Diego, CA 92114. Both switching devices are solid state and remotely controlled. The audio switching components are comprised of six basic assemblies with provide three optional system sizes. Configurations of 5 in by 1 out, 10 in by 1 out, and 5 in by 5 out are available. The basic element is the plug-in module, Model SW-5985A Audio Switch Module, which provides "pop-less" FET switching of five sources to one balanced output. On-board control latching and tally drive are included on the module. Model SW-5985A is priced at \$280.

The Model SW-5905A Video Switch Module (shown above) provides vertical interval FET switching of five sources to one output. On-board control latching and tally drive are included in the module. Five frame adapter assemblies allow the choice of input-output size and signal connector interface. Price of the SW-5905A Video Switch Module is \$305.



The Westrex/Nuoptix FR-1, a new solid-state electronic system for recording optical soundtracks on photographic film using conventional Westrex light valves and film recorders, has been announced by Westrex, 2629 W. Olive Ave., Burbank, CA 91505. The system is designed for simple retrofit upgrading of existing systems or



"economy through quality"

MOTION PICTURE ENTERPRISES, INC.
TARRYTOWN, NEW YORK 10591

PHONE: NEW YORK CITY WAREHOUSE 212-245-0969

VIDEO TAPE REELS

Film Reels & Cans

Special Net Price List

A \$2.50 handling charge will be added to all orders below \$15.00. Merchandise will be invoiced at prices prevailing at time of shipment.

PRICES ARE F.O.B. NEW YORK CITY WAREHOUSE - TO ORDER PHONE (212) 245-0969

MPE PROFESSIONAL STEEL REELS AND CANS

16MM	Reel Size (Diameter)	REELS OR CANS		MPE Aluminum Split Reels
		25 or More	1 to 24	
200 Ft.	5"	\$.67	\$.81	\$ 9.20
400 Ft.	7"	.73	.84	
600 Ft.	9-1/4"	1.79	2.16	
800 Ft.	10-1/2"	2.01	2.43	
1200 Ft.	12-1/4"	2.41	2.90	
1600 Ft.	13-3/4"	2.68	3.22	
2000 Ft.	15"	4.88	5.89	
2300 Ft.	15" Small Hub	5.75	6.95	

For 8MM or Super 8MM sizes, 600 Ft. to 2000 Ft. add \$.50 to above prices.

16MM	Reel Size (Diameter)	Plastic Reels	Metal Cans	White Cartons	Camera Spools
50 Ft.	3"	\$.07	\$.15	\$.035	\$ 1.15
100 Ft.	3-3/4"	.08	.16	.045	
200 Ft.	5"			.095	
400 Ft.	7"			.15	

MPE PROFESSIONAL PLASTIC REELS

16MM	Reel Size (Diameter)	500-UP	250-499	25-249	1-24
200 Ft.	5"	\$.14	\$.16	\$.17	\$.18
400 Ft.	7"	.25	.27	.29	.35
600 Ft.	9-1/4"	.92	1.04	1.17	1.38
800 Ft.	10-1/2"	1.07	1.20	1.25	1.61
1200 Ft.	12-1/4"	1.19	1.31	1.44	1.77
1600 Ft.	13-3/4"	1.34	1.47	1.59	2.02
2000 Ft.	15"	2.10	2.22	2.33	3.15
2300 Ft.	15" Small Hub	2.10	2.22	2.33	3.15

MPE PROFESSIONAL PLASTIC CANS

16MM	Reel Size (Diameter)	500-UP	250-499	25-249	1-24
400 Ft.	7"	\$.33	\$.36	\$.39	\$.50
600 Ft.	9-1/4"	.82	1.00	1.13	1.23
800 Ft.	10-1/2"	.93	1.11	1.18	1.38
1200 Ft.	12-1/4"	1.13	1.32	1.45	1.69
1600 Ft.	13-3/4"	1.41	1.63	1.77	2.11
2000 Ft.	15"	1.63	1.82	1.95	2.45
2300 Ft.	15" Small Hub	1.63	1.82	1.95	2.45

35MM	Reel Size (Diameter)	Reels	Cans	Cartons	Camera Spools	MPE 35mm Alum. Split Reels
100 Ft. Pl	3-3/4"	\$.16	\$.20	\$.08	\$1.40	\$ 11.00
200 Ft. St	5"	1.05	.25	.12	1.55	
400 Ft. St	7"	2.35	.78	.20	5.15	
1000 Ft. St	9-7/8"	2.85	1.75	.26	15.00	
2000 Ft. St	14-1/2"	3.03		.43	22.00	
3000 Ft. Al	16-3/4"	22.30		.78	31.00	

8MM OR SUPER 8	Reel Size (Diameter)	Steel Reel or Can	Plastic Reel	White Cartons
50 Ft.	3"		\$.06	\$.04
100 Ft.	3-3/4"		.07	.05
200 Ft.	5"	\$.51	.16	.10
400 Ft.	7"	.55	.22	.16

CORES AND HUBS

16MM	4"	\$.38	3" \$.28	2" \$.05	1" Hub \$.03
35MM	-	-.35	-.06		-.035

35MM FILMSTRIP CANS

Plastic Available in Red-Blue-Green-Yellow-White-Black #1 Can 1-3/8" Diameter \$.05 #2 Can 1-3/4" Diameter \$.06

LARGE SIZE 16MM AND 35MM SHEET ALUMINUM REELS, WITH 5" HUBS

Diameter	Film Footage (approx.) Color	Black & White	Standard Construction	Floating Flanges
16-7/8"	2,375'	2,725'	\$ 29.80	45.90
18-1/2"	3,100'	3,600'	43.00	50.00
21"	4,050'	4,650'	43.00	57.00
22"	4,750'	5,450'	43.00	57.00
24-1/2"	5,700'	6,500'	51.40	67.00
36"	12,300'	13,300'	148.00	163.50
42"	19,000'	20,000'	154.00	170.70

Many other sizes available. We can also supply reels with 6", 7" or 8" hubs.

PLASTIC VIDEOTAPE REELS

	1 to 47	48 to 239	240 to 479	480 or More
2" x 5"	\$1.10	\$.93	\$.85	\$.71
2" x 6 1/2"	1.44	1.25	1.15	.96
2" x 8"	2.55	2.25	2.20	2.00

OTHER SIZES PLASTIC AND ALUMINUM TAPE REELS: PRICES ON REQUEST.

We Manufacture Film - Video Tape or Computer Reels to Your Specifications

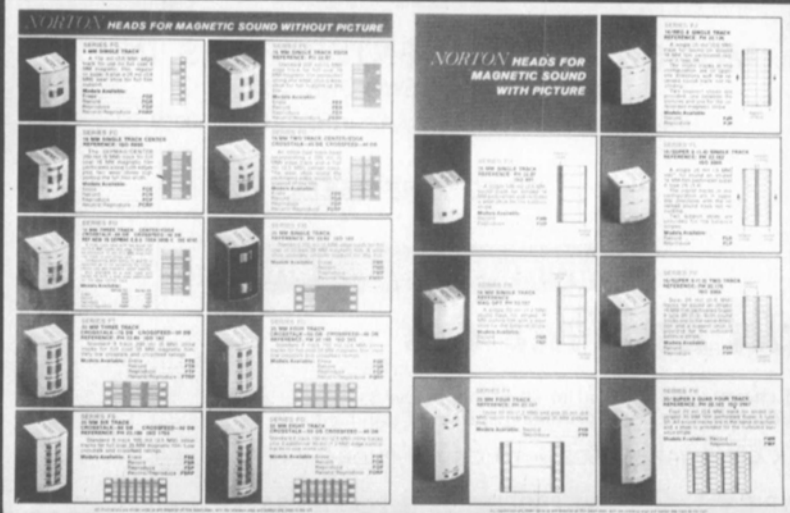
MORE THAN FIVE HUNDRED THOUSAND REELS, CANS AND SHIPPING CASES IN STOCK AT ALL TIMES!!

No returns without prior authorization. Returns are subject to a 10% restocking charge.

NORTON[®] magnetic heads

professional motion picture sound recording
sepmag • commag erase • record • play

Outstanding performance and long life combined with the availability of almost all formats to ANSI-SMPTE-ISO specifications are major benefits of Norton heads designed especially for professional motion picture magnetic sound.



See the Dec. 1977 issue of the SMPTE Journal for our catalog or write today for your personal copy.

NORTON ASSOCIATES, INC.
 10 Di Tomas Court, Copiague, New York 11726 • (516) 842-4666

SUSTAINING
SMPTÉ
 MEMBER

OUR WETPRINTERS WORK!

Here and abroad, Carter Equipment Company, Inc. is the most experienced manufacturer of continuous contact, sprocket registered, total immersion wetprinters. That's a lot to say, but our customers say even more.

CLEVELAND. . . Brings in the Business!

"Carter Equipment's Total Immersion Wetgate Printer has been in steady service since May 1976 and has been responsible for a dramatic increase in our 7247 color negative business."

George Golden, Film Lab Service, Cleveland, Ohio

STOCKHOLM. . . Best Quality in Europe!

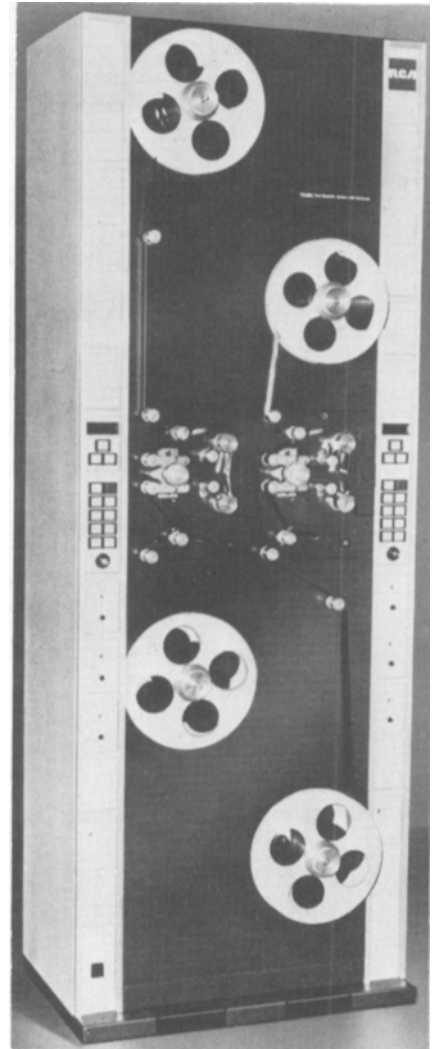
"We ourselves have been most pleased from the very start — that is why we acquired a second Carter Wetprinter. Having tested the same job at a number of other laboratories in Europe, we have found the results from Cineprints Carter Printer far superior."

*Felix Takas and Terje Valenkamph
 Cineprints Film Laboratories, Stockholm, Sweden*



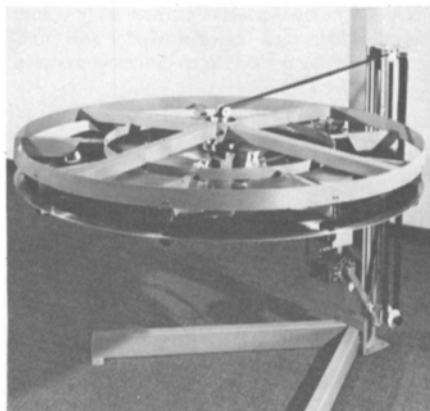
CARTER EQUIPMENT CO., INC.
 15430 Condon Avenue • Lawndale, California 90260 • (213) 772-1177

incorporation in new Westrex recording channels. It is intended to eliminate the old constraints of optical tracks by providing improved transient characteristics and frequency response to 12.5 kHz. The system uses direct feedback coupling to the light valve and a solid state analog signal delay in an anticipatory noise reduction system that configures the optimum noise reduction envelope to assure no valve clash on the transients and minimum valve opening for optimum signal-to-noise performance. Configured in one cabinet for shelf or rack mounting, the FR-1 features front panel switchable electronic film loss equalization, high/low pass electronic filters for recording 35mm, 16mm or 8mm tracks, positive valve overload protection and metering of the recording process. The Westrex/Nuoptix FR-1 is priced at \$3750.

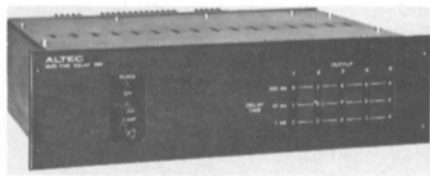


A dual magnetic reproducer system, the PM-85SL, designed to interface with both film and tape machines for sound-on-film and sound-on-tape for both motion-picture and teleproduction operations, has been announced by RCA Photophone Systems, 2700 West Olive Ave., Burbank, CA 91505. The new series of magnetic systems provides two complete and independent film handling mechanisms, controls and electronics in a single cabinet. The dual system is available as two reproducers, two recorder/reproducers, a recorder and a recorder/reproducer in one unit and in other configurations. Multiple soundtracks, up to six tracks of recording capability or 12 tracks of reproducers are optionally available. Servo-controlled film

transport mechanisms are designed to apply smooth continuous drive motion to the film. Interchangeable sprockets and plug-in assemblies permit the handling of 16mm or 35mm sound recording. Price range of the PM-85SL is \$15,000 to \$24,000 depending on options and number of soundtracks.



The C.A.T. (complete automated theater), announced by Optical Radiation Corp., 6352 N. Irwindale Ave., Azusa, CA 91702, is a continuous loop film-handling device which guides film loops on to and off of a single horizontal disk at a uniform speed. As the film loops move towards the center, scallops of equal size form automatically. Scallop uniformity is maintained by nine precision pressure pads located at the outer ring of the disk. Film is fed onto the horizontal disk through a sprocket assembly. A large ball bearing pressure roller guides the film onto the disk. The film handling is gentle in that no pull or push is exerted on the film, thereby preventing film wear. Features include automatic self-regulating synchronized speed control of the film, disk gear drive and sprocket assemblies. The make-up and tear-down time is reduced to about one quarter of running time. The make up of the new program and the tear down can be done simultaneously during the last showing of the film. The heavy duty steel reinforced construction includes a heavy duty motor drive, steel ball bearing nylon rollers, and synchronized gear-driven disks. The system holds up to 4½ h of film on a single horizontal disk that can be automatically programmed. The basic C.A.T. system (a single horizontal disk system for single projector/auditorium operation) is priced at \$7195. A dual C.A.T. (two-disk system for two-auditorium operation) is priced at \$12,600.

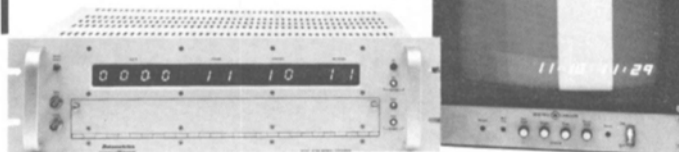


Three new audio time delay systems have been announced by Altec Corp. Sound Products Division, 1515 South Manchester Ave., Anaheim, CA 92803. Model 1640 makes audio time delay available in a number of applications. Features include shift-register type digital circuitry. The system provides a maximum delay time of 120 ms and six outputs at fixed 20 ms delay intervals. The price is \$1748.

Models 1660 (shown above) and 1661 arc modular audio time delay systems using RAM type circuitry. Both models accept up to six memory modules for a maximum delay time of 510 ms. Both models also accept up to five out-

Generator - Reader - Video Generator

Datametrics Model SP-722 Generates / Translates SMPTE Code and Displays Time on Video Monitor along with Subject Matter.



Generate

- Time Code/User Bits
- Video Synchronization
- Jam Synchronization

Translate

- 0.25 to 10 Volt Sensitivity
- ¼ to 40 Times Speed
- BCD Outputs

Time Display

- Infinitely Positionable
- Size and Style Selectable
- Intensity Variable



datametrics

Datametrics Inc.
340 Fordham Road, Wilmington, Mass. 01887
Tel: (617) 658-5410 TWX: 710-347-7672

Precision 16mm film splicing for the professional editor

Neutaper

Compare these features:

- Combination straight and diagonal cut
- Separate channel for full-coat mag track
- Frame-for-frame editing
- Sprocket pins in front
- Durable, no-wear construction — LIFETIME GUARANTEE

Neutaper is the fast, accurate tape splicer for editing work prints. Contact your film equipment dealer today or write us at:

Neumade

Neumade Products Corp.
Dept S1, 720 White Plains Road
Scarsdale, New York 10583



Model
16 SDS

If you have a
16mm, 35mm or super 8mm motion picture
and you need top-quality

Super 8mm Release Prints

TWO PRINTS OR 1000 OR ANY QUANTITY
ON REELS □ CARTRIDGES □ CASSETTES

call in the
super 8mm lab experts —

bēbell®
INCORPORATED

MOTION PICTURE LAB DIVISION

416 West 45 St. New York 10036

PHONE: (212) 245-8900

Cable: Labsbell, NY • Telex: 12-5073

WRITE, WIRE, PHONE FOR PRICE LIST

"our 27th year"

UNIQUE OPPORTUNITY

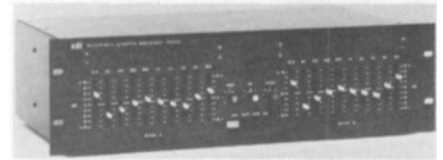
Lab Equipment Sale

35MM Bell & Howell Model D and Model E, b&w
and color printers. Many to choose from. These
printers are specially priced and will move fast.
Don't delay call F&B/Ceco of California at 213-
466-9361 or write for detailed list.

F&B/CECO

7051 Santa Monica Blvd., Hollywood, Calif. 90038/(213) 466-9361

put modules; each output module provides a thumbwheel selector to select a time delayed output in increments of 1 ms up to the maximum installed memory capacity. Model 1660 is designed with exposed front panel selectors for each output model installed. Model 1661's thumbwheel selectors are hidden behind the front panel to prevent unauthorized setting changes. The front panel construction represents the only difference between Model 1660 and 1661 time delay devices. Each of the two systems is priced at \$4500.



The Dual Channel Automatic Graphic Equaliser, Type 1500, has been announced by Audio Developments International, 530 Ramona St., Palo Alto, CA 94301. The unit is designed for accurate control of acoustics, elimination of feedback and easy adjustment for good response. Included is a pink noise alignment source, red and green LEDs above each of 20 ± 12 dB controls for maximum equalization. Ultra-low-noise and low distortion double-pole Butterworth active bandpass IC octave filters are used as well as digital comparator circuits. Applications include environmental equalization for flat frequency response, and acoustic level balancing. The unit is priced at \$795.



A new Bolex sound mixing console for use with any sound projector or tape recorder equipped for manual regulation of recording levels with monitoring VU meter has been announced by Ehrenreich Photo-Optical Industries, Inc., 101 Crossways Park West, Woodbury, NY 11797. The console permits the producer to work simultaneously with multiple sound inputs, such as phonograph, tape, radio or live microphone. When adding high-fidelity sound onto a film or tape, the console corrects the sound response curve by permitting the user to program either the dynamic or piezoelectric pickup. Inputs are supplied with a potentiometer long-run slide to allow smooth recording-level adjustments with the aid of the projector's VU meter. When the console is used with Bolex projectors the projectors' light-emitting diodes accomplish the VU meter's function. Price of the Bolex sound mixing console is about \$89.50.

A video console designed to provide protection and security for tape recorders and monitors has been announced by The Winsted Corp., 8127 Pleasant Ave. South, Minneapolis, MN 55420. Designated Model A/V-402, the unit accepts most 19-in monitors and recorder/player equipment. It has an adjustable monitor shelf that can be angled 5° for glare-free viewing. A rolling pullout VTR shelf has a 12-in safety stop. Ventilated locking rear panels on both cabinets provide easy access to cords, cables and equip-

ment adjustments. The locking doors slide back into the cabinet. The lower section provides storage space or it can be used for multiple VTR setups. Price of the A/V-402 is \$569.

The Max-100, a frequency counter designed to provide an 8-digit display from 20 Hz to 100 MHz, has been announced by Continental Specialties Corp., 44 Kendall St., P.O. Box 1942, New Haven, CT 06509. The counter updates every second. It is preamplified to work with 30 mV of signal and is diode protected to 200 V. The counter is 1.75 in high and provides 0.6-in digits. The input impedance is 1 MΩ shunted by 56 pF. The ac sine wave sensitivity is rated at 30 mV rms from 10 Hz to 50 MHz, 100 mV rms to 80 MHz and 300 mV rms above. Price of the MAX-100 is \$134.95.



A new version of the MKM/Super8 Sound Editing Table has been announced by the exclusive U.S. distributor, Super8 Sound, Inc., 95 Harvey St., Cambridge, MA 02140. The unit is a 4-plate (one super-8 picture track and one super-8 fullcoat track) electronically controlled horizontal editing machine operating on the same principles as 16mm editing tables, such as the Steenbeck, KEM and Moviola. Features include 800-ft reel capacity (almost 40 min at 24 frames/s) and an original picture head design incorporating an 8-sided prism, a 21 V/150 W projection lamp and a large (3.75 X 5 in) bright groundglass rear screen. Other features include variable speed control from 1 to 70 frames/s forward and reverse; 3 frames/s creep speed; manual inching; and 24 frames/s sync speed with interlocking capability to any number of Super8 Sound Recorders. The machine has a flywheel-stabilized sound transport for the super-8 fullcoat track; a solid state amplifier with a built-in speaker; declutching switches to allow independent transport of picture or sound; independent torque motors with cutoff switches; and a large half-inch LED display and electronic frame counter. All units have power line inputs for 117, 220 and 240 V, 50/60 Hz ac. Price of the new MKM editing table is \$2995. A single system soundhead with flywheel stabilization and a super-8 fullcoat two-track magnetic head with a stereo amplifier are available as options.



The AV7202 Slide Sync Audio Recorder/Player, a compact cassette machine with a built-in synchronizer, has been announced by Tiffen Manufacturing Corp., 71 Jane St., Roslyn Heights, NY 11577. It is portable, battery or ac operated, 110/120 V, 50/60 Hz. The individual

channel record and erase allows easy recording of the sound and a 1000 Hz tone signal separately. Console control of the slide projector (which includes advance, reverse and focus) is built into the machine. For multimedia use an external input/output is provided for use with tone generator or dissolve controls. The price is \$184.95.

Ball bearing mounted cabinets for tape and film storage have been announced by Winsted Corp., 8127 Pleasant Ave. South, Minneapolis, MN 55420. Lined up in ranks of up to five deep, the cabinets easily roll left or right to provide fast access to cabinets at the rear. Installations can be easily expanded, altered or relocated to meet future storage requirements. Price range for the

cabinets on wheels is \$265 to \$370 for each cabinet.

Telesis, a system designed for the control of AM, FM and television transmitters, has been announced by Eric Small & Associates, 680 Beach St., Suite 365, San Francisco, CA 94109. The system combines the functions of a conventional remote control, tolerance alarms indicator and autologger with easily integrated modules to bring the system into compliance with both the current and proposed Automatic Transmission System (ATS) rules of the FCC. Unlike conventional control systems where all functions are defined by soldered connections, Telesis operates under stored program control (software). Base price for Telesis is \$25,000.

NO SPRINGS ATTACHED!

VINTEN *The Smoothest in Lightweight Heads*

DUNLIN 51 LF.

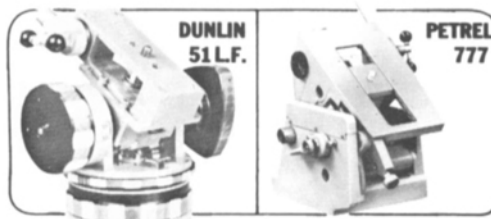
- 50 lb. capacity
- smoother than "fluid" heads
- perfectly adjustable balance without springs

PETREL 777 PANTOGRAPH

- 100 lb. capacity
- perfectly adjustable balance without springs
- available with LF dampening



**LISTEC
TELEVISION
EQUIPMENT CORP.**



LISTEC
39 CAIN DRIVE, PLAINVIEW, NEW YORK 11803
(516) 694-8963 TELEEX 640470

(WEST COAST)
4527 SAN FERNANDO ROAD, UNIT 1, GLENDALE,
CALIFORNIA 91204 (213) 244-0838

**Finest
16mm cine
camera
ever!**

with or
without
FREZZI
side-mounted
amplifier

MADE IN U.S.A.

**"Frezzi-Flex"® FR-16
now shooting
commercials,
documentaries
& TV newsfilm
world-wide.**

For information (N.J. 201) 427-1160 (N.Y.C. 212) 594-2294



Frezzolini Electronics Inc.
7 Valley St. Hawthorne, N.J. 07506 USA

idj SUPERSTIX

Tripod with Miller F fluid head, O'Connor 30 or Ronford F-2 fluid head, lightweight, totally adjustable, ball level, rising column, carry handle, shoulder strap, accessory hanger hooks, weatherproof.

Super Stix alone **\$350.00**
Super Stix with Miller F **\$695.00**
Super Stix with Ronford F-2... **\$995.00**
Super Stix with O'Connor 30.. **\$895.00**

Write for free catalog including new electronic accessories

Major credit cards accepted

**CALL TOLL FREE
800-327-5181**
IN FLORIDA CALL 305/945-1111

**IMAGE DEVICES
INCORPORATED**

MIAMI
1825 N.E. 149 Street
Miami, Florida USA 33181
PHONE 305/945-1111

ATLANTA
1651 Phoenix Blvd.
Atlanta, Georgia USA 30349
PHONE 404/998-0000