



**Authorized  
CP-16 Dealers  
and Service Centers**

**North American  
LISTING**

D — Dealer S — Service D/S — Dealer & Service

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Alan Gordon  
Enterprises, Inc. D/S  
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North Hollywood, Ca. 91601

Adolph Gasser Inc. D/S  
181 Second St.  
San Francisco, Ca. 94105

F&B/Ceco, Inc. D/S  
7051 Santa Monica Blvd.  
Hollywood, Ca. 90038

San Diego Camera  
Exchange S  
1071 Sixth Ave.  
San Diego, Ca. 92101

**COLORADO**

Stan Phillips & Associates/  
Camera Service S  
2245 W. 30th Avenue  
Denver, Colorado 80211

**DISTRICT OF COLUMBIA**

Brenner Cine-Sound D/S  
5215 Wisconsin Ave., N.W.  
Washington, D.C. 20015

**FLORIDA**

Image Devices, Inc. D/S  
811 N.W. 111th St.  
Miami, Fla. 33168

**GEORGIA**

Atlanta Film  
Equipment Rentals D/S  
1848 Briarwood Rd., N.E.  
Atlanta, Ga. 30329

**HAWAII**

Pacific Instrumentation D/S  
5388 Papai Street  
Honolulu, Hawaii 96821

**ILLINOIS**

Victor Duncan, Inc. D/S  
676 St. Clair St.  
Chicago, Ill. 60611

**LOUISIANA**

Pan American Films D/S  
822 N. Rampart St.  
New Orleans, La. 70116

**MASSACHUSETTS**

Sanford Camera &  
Projector Repairs S  
1054 Massachusetts Ave.  
Arlington, Mass. 02174

**MICHIGAN**

Victor Duncan, Inc. D/S  
11043 Gratiot Ave.  
Detroit, Mich. 48213

**MINNESOTA**

Galaxy Film Service D/S  
3000 France Ave.  
Minneapolis, Minn. 55416

**MISSOURI**

Calvin Cinequip, Inc. D/S  
215 W. Pershing Road  
Kansas City, Mo. 64108

**NEW YORK**

F&B/Ceco, Inc. D/S  
315 West 43rd St.  
New York, N.Y. 10036

The Camera Mart D/S  
456 W. 55th St.  
New York, N.Y. 10019

**NORTH CAROLINA**

Standard Theatre  
Supply Co. D/S  
125 Higgins St.  
Greensboro, N.C. 27420

**TENNESSEE**

BHI Billings Photo D/S  
129 South Front Ave.  
Rockwood, Tenn. 37854

Motion Picture  
Laboratories, Inc. D/S  
781 S. Main St.  
Memphis, Tenn. 38102

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Victor Duncan, Inc. D/S  
2659 Fondren Ave.  
Dallas, Texas 75206

**UTAH**

Stockdale & Co., Inc. D/S  
200 E. First South  
Salt Lake City, Utah 84111

**WASHINGTON**

Glazer's Camera Supply D  
1923 Third Ave.  
Seattle, Washington 98101

**Photronics S**

223 West Lake North  
Seattle, Washington 98109

**CANADA**

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Edmonton, Alberta

Alex L. Clark Limited D/S  
3751 Bloor Street West  
Islington, Ontario M9A 1A2

**Branches:**

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Montreal 128, Quebec

7104 Hunterwood Rd., N.W. D/S  
Calgary 51, Alberta

**Steve's Camera Service S**

189 East 28th Ave.  
Vancouver, B.C. V5V 2M3

**MEXICO**

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Enterprises, Inc. D/S  
c/o R.E.C.E.S.A.  
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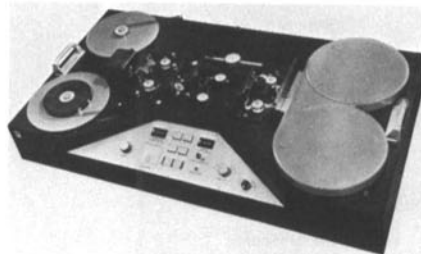
Listing as of: Mar. 1, 1975



**new  
products**

**(and developments)**

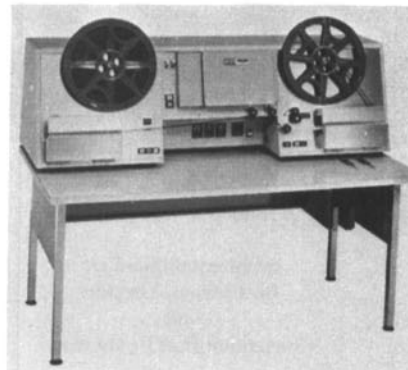
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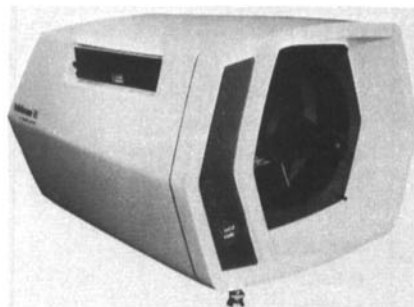
The Acme Mini-Printer Model 5800 has been announced by PSC Technology Inc., (formerly Producers Service Corp.), 1200 Grand Central Ave., Glendale, CA, 91201. This is an optical printer which will handle 1 : 1, blowup and reduction printing of super-8 and 16mm film formats. It is essentially a horizontal unit with a cover over projector and camera assembly for daylight (room-light) operation. A handle on each end provides two-man portability for use as a tabletop unit. (An optional stand is foreseen.) Some of the more important design specifications are: a horizontal configuration, with filmstrips, sprockets, reels, movements, etc. oriented in a flat position; all controls accessible from the front; maximum overall dimensions: 48 x 24 x 10 in; sufficient stability to permit full resolution capability of the printing lenses; capability for printing 1 : 1 with either super-8 or 16 mm film; also capability for magnifications or reductions of 1.81 : 1 from super-8 to 16mm or from 16mm to super-8; separate film movements for super-8 and 16mm functions; the super-8 projector movement to handle single-strand film and the super-8 camera movement to handle 16mm film, double strand, perforated super-8; 5 different frame rates, ranging from 80 to 960 frames/min; registration accuracy of ±0.002 in longitudinally as well as in the cross-track direction; interchangeable but separate film movements for super-8 and 16mm films; minimum power consumption of printer lamp: 250 watts, at full power, with a color temperature of 3200 K; subtractive color correction; film capacity 1200 ft of film on 3-in core; interchangeable lenses for 1 : 1 printing and for 1.81 : 1 magnification or reduction; light-tight rawstock magazines; common drive system for camera and projector film movements; provision for reverse direction of camera with respect to the projector; separate torque motors for take-up and supply spindles in camera and projector; provisions for stop-motion, single-frame advance and dissolves; 6 different dissolve lengths, ranging from 16 to

96 frames per dissolve; and micrometric dial indicators for the four essential lens and projector-to-camera adjustments.

The printer is composed of a camera section, a projector section, the printing lens assembly, a baseplate assembly and a control panel assembly. The price of the complete unit (camera, projector and one copy lens) is \$13,500. Additional cameras and projectors may be purchased for \$1,500 each. The copy lens sells for \$1,200.



A newly designed Pulsar 1600/ICL cleaning, inspection and conditioning machine for motion-picture film, working at 1600 ft/min, has been announced by Research Technology Inc., 8260 North Elmwood Ave., Skokie, IL 60076. The machine inspects, liquid-cleans, dries and conditions the film in one continuous operation. Defects are detected by the LB/T system, a combination of a lightbeam and a transducer, which automatically adjusts for variations in film pliability. Detection starts as soon as the film starts to move. Three pushbuttons control the "Forward," "Rewind" and "Stop" functions of the machine. One-hand, "no-thread" automatic loading is provided. Solid-state TTL-logic integrated circuitry makes operator adjustments unnecessary, it is claimed. Film tension and speed are servo-controlled. Separate indicators for sprocket, soundtrack and thickness defects are provided. All machine assemblies are plug-in modules. The electronic chassis features plug-in circuit boards. An 870-in<sup>2</sup> Formica working table is included. List price is \$9,995.



The Series Telebeam® II of large-screen television projectors has been announced by the Kalart Victor Corp. of Plainville CT, 06062. These projectors project television pictures from TV cameras, video-tape recorders and other composite video output sources. They can be operated by remote control through a single low-voltage cable. All models of this series are single-unit portables. They have solid-state electronics and replaceable circuit boards. Other features include a built-in 4 x 6-in oval speaker, image reversal switch, key-stone correction and Cris-Pic image improver.

# Trade up to a CP-16/A and save \$1225.

Within three short years, the CP-16/A has become the most preferred 16mm sound camera in the TV-newsfilm/documentary field — with many of the larger stations standardizing their entire newsfilm operation on the CP-16 camera system.

No matter what new equipment developments may be in the offing for TV-news, our non-reflex CP-16 and CP-16/A camera models continue, and will continue, to make good equipment sense. Especially for those who operate "one-man-band" style.

**A special offer from Cinema Products and your local CP-16 dealer.\***

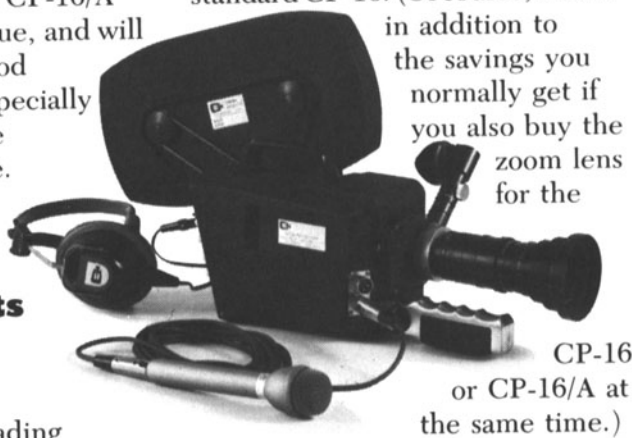
Even though upgrading TV-newsfilm equipment is relatively inexpensive, there are stations that may find it increasingly difficult to do so — what with ever tightening budgets and the shrinking purchasing power of the dollar.

And so, to introduce you to the CP-16 camera system, a system fully supported by an extensive, well trained dealer/service network, we are pleased to offer you, for a limited time only, a unique opportunity to acquire a CP-16 or CP-16/A at fantastic savings!

Here's all you have to do. Trade in any 16mm newsfilm-type camera you presently own — whatever its condition, no matter how old — for a brand new, *all new* CP-16/A with built-in Crystasound amplifier.

Your authorized local CP-16 dealer will give you \$1225 off list price on any CP-16/A camera package. Or \$1000 off on a standard CP-16. (Of course, this is

in addition to the savings you normally get if you also buy the zoom lens for the



CP-16 or CP-16/A at the same time.)

**Plus two-year warranty and free "loaner."**

Its proven performance in the field has established the CP-16 as the most reliable and dependable camera system, least likely to break down in the day-to-day grind of newsfilm work.

As part of this special offer, we take great pride in extending our factory warranty to a full two years on all mechanical and electronic components. *Provided* you purchase your camera from your authorized *local* CP-16 dealer.

And, should your CP-16 or CP-16/A require any repairs covered by this special two-year warranty, your local dealer will provide you with a free CP-16 "loaner." This is but one example of the outstanding after-sales service and total back-up you can expect from your authorized local CP-16 dealer.

**But you must act now!**

With savings and benefits like these, why risk your precious equipment dollars on yet another "re-manufactured" conversion?

Move up to a brand new, *all new* CP-16/A, the uncontested leader in the TV-newsfilm/documentary field. You owe it to yourself.

But remember, this unusual offer is good only from March 1st to July 1st, 1975. So hurry. See your authorized local CP-16 dealer now.

\*See adjacent page for listing of authorized North American CP-16 Dealers participating in this special offer.



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# WHY WESTERN CINE?

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There are models available for 525-line scan, 110-V, 60 cycles and for European operation at 625-line scan, 110 or 220-V, 50 cycles. Models can be bought with or without UHF-VHF pushbutton tuner. Projected picture sizes range from 4½ × 6 ft to 9 × 12 ft. All units are manufactured in full compliance with U.S. Department of Health, Education and Welfare requirements with regard to acceptable X-ray radiation levels. Prices are \$4620 without tuner and \$4895 with tuner.

The Beta VTR Edit Timing Control has been announced by Beta Technology, Inc., Farmingdale, NY, 11735. This control unit is designed for operation with videotape machines equipped with splice control and splice logic. It makes an accurately timed video switch by eliminating the usual 18-frame delay between "record" and "video switching." Fast-frame accurate editing is thus facilitated. No modification of VTR transport, modules, or control circuits is required, nor is a time code reader needed. The Unit is available in two versions: No. 601, a vertical unit; and No. 602, a horizontal configuration. Both are easily mounted or removed for maintenance. The price is \$3100. An information data sheet can be ordered from the manufacturer at the above indicated address.



The AM-12 Compact Color Video Monitor is being announced by Amtron Corp., P.O. Box 21043, San Jose, CA, 95151. This monitor has been designed for broadcasting, cable-TV, private network television and teleproduction applications. It features a single-gun 12-in color picture tube and occupies only 10½ in of standard rack space. The single-gun color system of the AM-12 is claimed to present a bright and sharp color picture without moiré and convergence problems, such as with three-gun monitors. The monitor has separate R-G-B gun switches, as well as switchable underscan, internal/external sync and a tally light. The R-G-B controls permit convenient "blue gun" setup of hue and luminance. Optional features include dual video inputs with front-panel A-B selection and independent horizontal and vertical scan delay (pulse-cross display). Front and rear aluminum castings form a rugged frame to anchor the electronic components. The unit is priced at \$975.

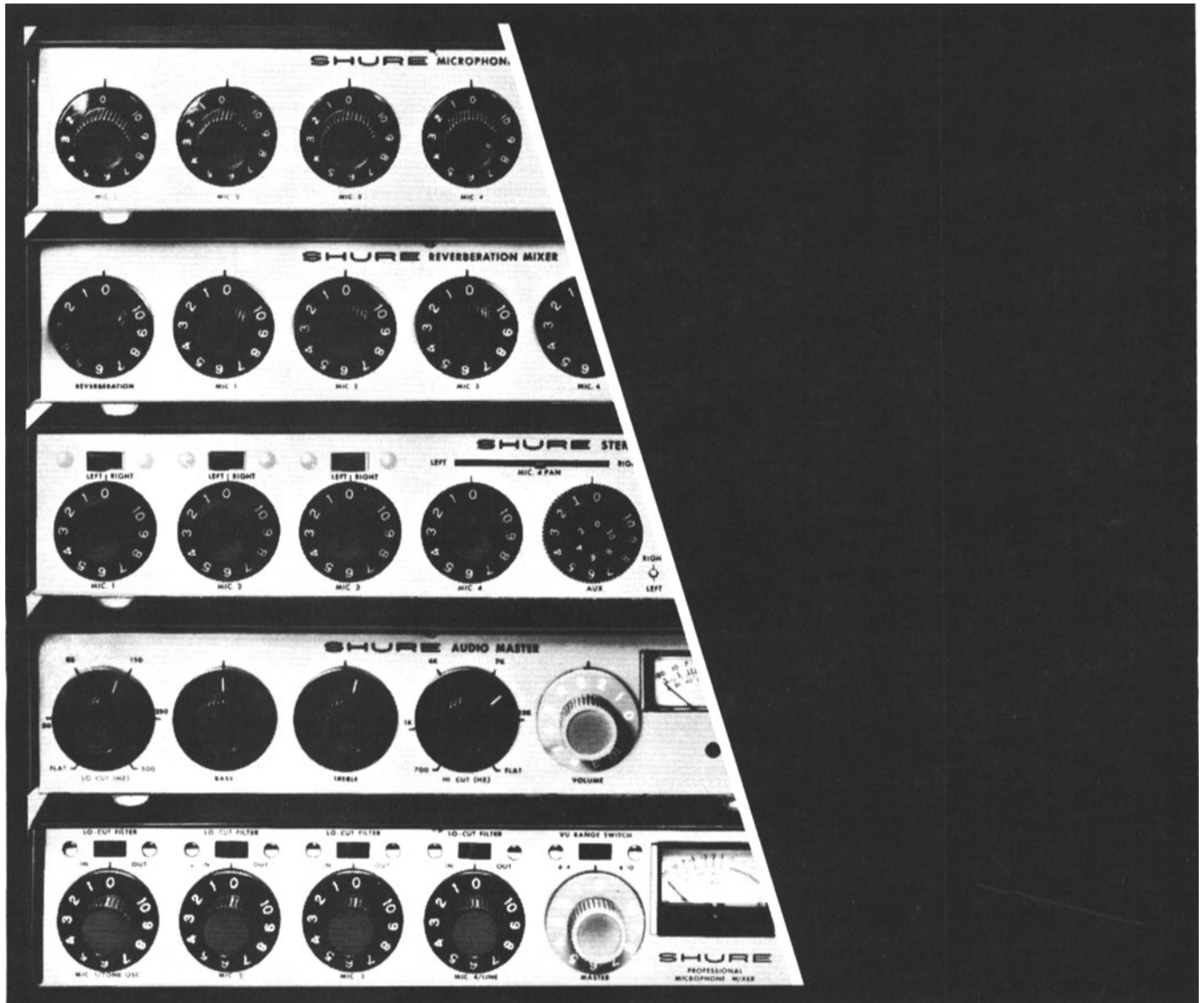
The MX-5050 Mini-Pro Professional Tape Recorders have been announced by the Otari Corp., 981 Industrial Rd., San Carlos, CA 94070. This compact recorder is made in 2-channel and 4-channel models. It features front-panel edit and cue controls, motion sensing, synchronous reproduction, an optional dc capstan servo system, XL connectors for line in and 600-ohm +4-dB output, front-adjustable bias and equalization, built-in test and cue oscillator, standard reference-level calibrating position, and a rack-mount kit. A splicing block is precision-mounted on the head cover. Price of the 2-channel model is \$1345 and of the 4-channel model, \$1945.

Prices with dc capstan servo incorporated are: 2-channel model, \$1545; 4-channel model, \$2145. Otari, which is described as Japan's largest manufacturer of professional tape recorders and duplicators, will also introduce an automated radio-station reproducer and other professional recorders in one-, two-, four- and eight-track versions.

The Minimag, an electronic synchronizer designed to provide essential functions required for the synchronization of magnetic audio and/or video tapes, has been announced by Automated Processes, Inc., 80 Marcus Dr., Melville, NY 11746. The synchronizer can interlock any two tape machines, video multi-channel, sprocketed or unsprocketed audio and two or more Minimags can be used to synchronize additional tape machines. The instrument is supplied as a complete unit with a built-in code generator. It has a capture range of ±50s and can maintain sync or variable offset for any length of time regardless of tape stretch or shrinkage. If tapes are within 50 s of sync the synchronizer can adjust motor control voltage automatically until they are in perfect sync, with or without offset. It plugs into any 115/230-V 50/60 Hz power source. It is 19 in wide, 1¾ in high and 12 in deep. The price is under \$2,000.

The Model SP-425 TV edit code reader has been announced by Datametrics, Inc., a subsidiary of I-T-E Imperial Corp., 340 Fordham Rd., Wilmington, MA 01887. Designed specifically for decoding the ANSI C 98.12 Edit Time Code (developed by SMPTE) from videotape, the instrument features wideband amplitude and frequency response, a digital code demodulator and read error-by-pass for reliable operation. The unit automatically reads and decodes time code data over a range of ½ real time to 40 times real time in both forward and reverse directions. It provides a front-panel display of time code and operates with both black-and-white or color (drop frame) formats. Options include parallel outputs, generator mode of operation and combined reader/generator units. The basic unit is priced at less than \$2,000.

The St-3/PM-4 Wireless Video Sound System for professional recording studios has been announced by Edecor, 3030 Red Hill Ave., Costa Mesa, CA 92626. This is a system designed for capturing sound on videotape without connection by wire. It consists of two solid-state units: a receiver, called the ST-3 Sensatuner, and the PM-4 transmitter with lavalier microphone. Transmitter mobility ranges up to 200 ft from the receiver. The tunable receiver features all-transistor FM circuitry that automatically eliminates static. A special noise squelch circuit eliminates background noise, when the microphone is not in use. The operative frequency band ranges from 30 to 50 MHz, and the receiver can be connected directly to a videotape recorder. The PM-4 transmitter and microphone are claimed to have professional sound quality and drift-free operation. The transmitter has two switches. With the "power" switch on and the "audio" switch off, carrier link between transmitter and receiver is maintained. The "audio" switch in the on position provides the audio signal when desired. Transmitter dimensions are 1¼ × 2¾ × 3⅞ in and the weight is 12 oz. Price of the complete system (receiver, transmitter and microphone) is approximately \$560 plus local taxes.



## Rack 'em up.



For studio, broadcasting, recording, or public-address, Shure audio control components offer more features and more performance, dollar for dollar, than similar equipment. And—just as important—Shure audio components are easier to work with. Their compact size and versatility equip them for an extremely wide variety of audio control applications—and built-in input-output flexibility means quick set-up anywhere. For a permanent installation or a component system that can be adapted to meet any need, Shure has the right combination. To obtain a copy of the Shure catalog, see your dealer or write:

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## RENTALS

Film and video people working in the Southeastern U. S. and the Caribbean areas are depending more and more on IDI for the equipment and supplies they need. Our Rental Catalog lists over 500 items and if you don't have a copy, all you need to do is ask. Our experienced staff knows your problems. If we don't have everything you want, we'll try to find it for you somewhere . . .

## SALES

Almost all the items in our Rental Catalog (and more) are also available for sale, new and/or used. We cover underwater, helicopter, studio, portable, and high-speed operations. We include Arri to Mitchell; Ampex to Sony; AKG to Vega; Angenieux to Zeiss; Elemack to Scorpion; Arrivox to Nagra; and even include some products of our own design and manufacture.

## SERVICE

Keeping all this equipment running at concert pitch takes a little doing and that's where our service people come into the picture. They are some of the most knowledgeable people in the industry. If there's anything they don't know how to fix, they know where to find out. Call us. We're ready before you are.

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The **WR-410 Remote Wireless Control System** has been announced by International Visual Products Inc., 111 Galway Place, Teaneck, NJ 07666. Designed to operate audio-visual and television equipment up to a distance of 500 ft between its transmitter and receiver components, it controls the on/off and varied auxiliary functions. It eliminates the need for in-wall installed wiring for permanent equipment setups, or the need for floor cables with temporary setups. No hidden antenna loops or audio-pick-up devices (transducers) are needed with the system. It is suited for front- or rear-projection equipment operation and is effective through walls and other obstructions. The list price is \$950.

**Elmo Projectors** are now available with built-in sync generators, it is announced by Inner Space Systems Inc., 102 West Nelson St., Deerfield, WI 53531. Standard sync frequencies available are 60 and 24 Hz, but 48- and 72-Hz generators are also available, at no additional cost. The projectors come also equipped with infrared tab sensors for use in conjunction with ISS's automatic electronic editing equipment. ISS, when requested, will also provide the Elmo ST-1200 projector with a 35% increase in light output. The sync generator is optical, and the projector modification is completely electronic. No electromechanical devices are used to generate the sync signal. List price of the Elmo ST-1200 projector including the sync generator is \$575.

The **Mark S810 HQS** and the **Mark S810 D HQS** (high-quality sound) projectors have been announced by Eumig (U.S.A.) Inc., Lake Success Business Park, 225 Community Dr., Great Neck, NY, 11020. Both models offer appreciable cost savings over the original Eumig Mark S 810D Deluxe HQS projector, (*Journal*, Nov. 1974, p. 936.), because of the lower cost of their lens equipment. Both new models are equipped with an  $f/1.3$ , 15-30mm Eumig Vario-Eupronet zoom projection lens with fine focusing. Eumig's new HQS system offers five distinct advantages over the company's established "800" sound system. They are: (1) wide frequency range of 75 to 10,000 Hz at 18 frames/s and 75 to 12,000 Hz at 24 frames/s (projector speed being continuously variable between 18 and 24 frames/s); (2) increased power output: 10-W continuous (rms sinewave) power; 15-W music power — sufficient sound for filling a full-sized auditorium, obtained through new integrated circuitry in the record/playback amplifier; (3) improved constancy of output level; (4) flutter is less than  $\pm 0.2\%$ , wow less than  $\pm 0.15\%$ ; (5) automatic gain and frequency response control "AGFC" providing balanced live sound regardless of distance from microphone to sound source, and constant output from other signals inputs. All other characteristics of the two new projectors are similar to those of the Eumig Mark S 810 D Deluxe HQS model. They include: 100-W/12-V dichroic reflector tungsten-halogen lamp (preheated); 600-ft reel capacity for acetate film; single-knot all-function control for stop, automatic thread-up, fast rewind, forward or reverse projection with or without lamp; manual "sound on sound" mixing with amber indicator light; red recording mode indicator light; separate microphone and phono/tape inputs; separate external speaker and amplifier outputs; built-in 10-W speaker with adjustable volume control for recording monitoring; single head for re-

ording, playback and erasure. Individual frequency-response curves are furnished with these projectors, as well as a microphone, power cord, fuse, 400-ft automatic take-up reel, 15-ft test film, film cutter and 2-year factory warranty certificate. Optional accessories include: LS 800 loudspeaker, universal recording cable, carrying case; Eumig reels, background music and sound-effects record or tape cassette. The Mark S 810 HQS projector for only super-8 film has a suggested retail list price of \$500. The Mark S 810 D HQS accepts, in addition, regular 8mm film and is priced at \$575.

The **Altec 1590B/TH Power Amplifier** for drive-in theaters has been announced by Altec Sound Products Div., of Altec Corp., 1515 South Manchester Ave., Anaheim, CA 92803. This is a solid-state power amplifier, designed for high reliability. Its gain is specified as 67 dB. The 1590B/TH is rated at 200 W at less than 1% total harmonic distortion from 50 Hz to 12 kHz. Frequency response is  $\pm 1$  dB from 20 Hz to 20 kHz. It is shipped strapped for 8- $\Omega$ , 35-V operation, with easily accessible strapping options for 16- $\Omega$ , 70-V operation. It features silicon solid-state circuitry input connections for high-impedance devices and for 600- $\Omega$  or 15,000- $\Omega$  balanced inputs. It has fail-safe protection of output transistors. The front panel is hinged for rapid access to the chassis interior. It can operate from a 120-V or 240-V ac source or from a negative-grounded 28-V dc source. A trickle charging current maintains battery charge when the amplifier is operated in the ac mode. Automatic transfer from ac to dc power in the event of an ac power failure is provided. The unit has a list price of \$624.

The **Model 6110 Test Set** has been announced by the 3M Company's Mincom Div., 3M Center, St. Paul, MN, 55101. This test set combines seven electronic test functions in a single instrument with precise digital readout over a wide range of values: (1) distortion analysis, with automatic frequency tracking (including harmonics) and automatic ranging for percent distortion, fundamentals from 100 to 1 MHz; (2) wideband tunable wave analyzer with pushbutton selection of measurement band-width, 100-Hz to 3-MHz; (3) frequency counting, with automatic ranging, 100 Hz to 3 MHz; (4) voltage measurement, 0.001 to 30 V (rms), with automatic ranging; (5) decibel measurement, -60 to +30 dB, with automatic ranging; (6) generation of sinewaves, variable from 10 Hz to 10 MHz; (7) generation of square waves, variable from 10 Hz to 1 MHz. The new test set has been designed for a variety of applications among which are production testing and product service and repair. Extensive use of integrated circuit technology and proprietary 3M design provides the above-indicated automatic tracking and ranging and all the other functions combined in one compact unit. Connections to equipment being tested are on the front panel. The Model 6110 test set is expected to be available in early 1975, and its final price is expected to approximate \$6,000.

The **GCP-412 Super-Fast** battery charger has been announced by General Camera Corp., 471 Eleventh Ave., New York, NY 10018. It will fully charge a TGX battery in 15 minutes. A built-in thermostat eliminates the hazards of overloading or battery damage. List price of the GCP-412 is \$225 and it is scheduled for delivery in March of this year.

# Isn't it time you got into Super 8?

Super 8 is now a professional sync sound film.

It is also the least expensive color video production medium.

Professional Super 8 has been made possible by Super 8 fullcoat magnetic film, fullcoat recorders, and fullcoat editing equipment introduced by **Super8 Sound, Inc.**, of Cambridge, Massachusetts. **Super8 Sound** has designed, manufactured and distributed a full line of location, editing and sync projection equipment for double-system Super 8. **Super8 Sound** is also a retail dealer for all major Super 8 manufacturers, e.g. Braun-Nizo, Beaulieu-Hervic, Bolex, Canon, Eastman Kodak, Elmo, Eumig, Nikon, Pyral and others.

**Super8 Sound** is your single-contact supplier for everything Super 8.

## Location Equipment

The **Super8 Sound Recorder** (\$645) records on Super 8 fullcoat magnetic film in sync with all the better Super 8 cameras, with no camera modification. Location sync sound can also be recorded on a sync cassette recorder or on the sound stripe of a single-system camera such as the new Beaulieu 5008S. The **Super8 Sound Recorder** will "resolve" the location sound to fullcoat magnetic film for professional double-system editing. **Super8 Sound Crystal Camera Controls** (\$250) for Beaulieu and Nizo cameras allow cableless sync filming. **Super8 Sound Silencers** (\$135) eliminate camera running noise.

## Editing Equipment

The heart of an editable film system is the editing equipment. **Super8 Sound's** Editing Bench (\$795) incorporates all the traditional editing techniques of 16mm filmmaking. **Super8 Sound** can also supply horizontal editing tables by MKM Industries and Super 8 Research Associates. This equipment permits the most sophisticated double-system professional editing.

## Projection Equipment

**Super8 Sound Sync Projectors** are modified to include a 1/F sync contact switch, at prices below projector list. The **Super8 Sound Double-Band Projector** (\$900) allows mechanically interlocked screenings of picture film and fullcoat magnetic film with sync rollback. For direct transfers to color video, **Super8 Sound** carries the advanced Kodak Videoplayer VP - 1 (\$1095) which provides a full 525-line NTSC color signal suitable for recording on two inch-quad video equipment and subsequent broadcast.

**Super8 Sound** has pioneered in the development of standards for equipment compatibility, without which Super 8 cannot become a truly professional medium.

The **Super8 Sound Catalog** (\$1) is the most comprehensive Super 8 equipment listing available.

The **Super8 Sound Recorder User's Manual** (\$1) is a 28-page illustrated introduction to all the stages of sync sound film production.

**Super8 Sound** now has working systems in hundreds of schools and independent production companies in the U.S., Canada, and abroad who are discovering the economies of Super 8.



Isn't it time you got into sync too?

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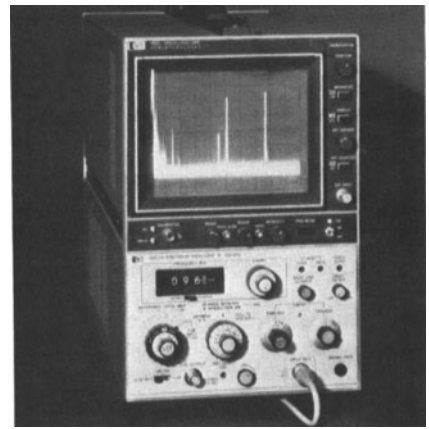
THEY COMBINE ADVANTAGES of MACHINED PART and MOLDED PART. Stable, smooth, durable, easily installed, easily modified by turning, boring, milling, etc., the C12S25S is suitable for 1/4" pitch charts and most universal applications. Has *no* burrs, flash or sharp edges to harm or deflect driven material. Tooth section (10 or 12 teeth) molded over aluminum body.

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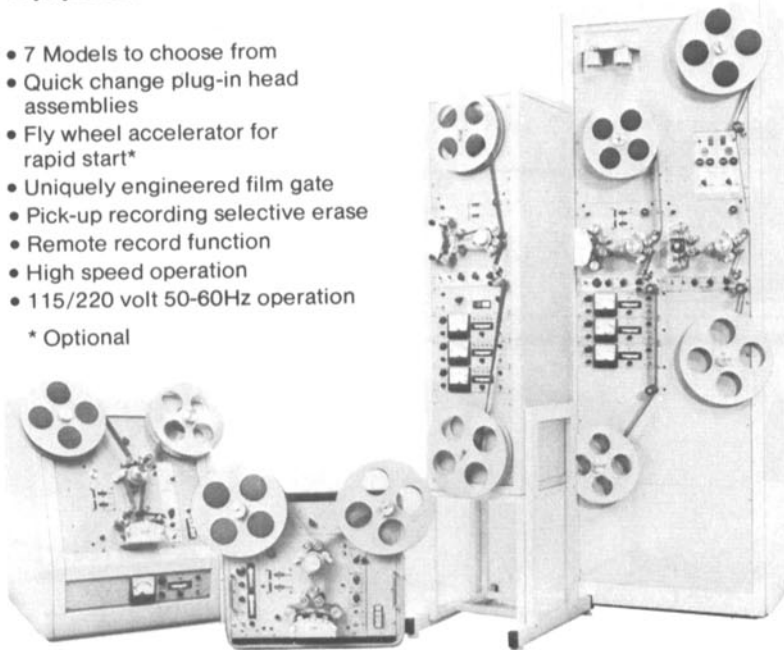
A new 350-MHz calibrated Spectrum Analyzer, Model 8557A, has been announced by Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, CA 94304. It has simplified operation; usually only three controls have to be adjusted. It is intended for production use by technicians and for field service purposes. Its accuracy, it is claimed, is of laboratory grade performance. Frequency response is  $\pm 0.75$  dB, overall absolute amplitude-measuring accuracy is  $\pm 2.25$  dB, and frequency readings are correct to  $\pm 3$  MHz. Dynamic display range exceeds 70 dB. The new instrument is a plug-in for HP 180-series oscilloscope main frames. Especially suitable is the large-screen Model 182T. Domestic U.S. price of the HP Model 8557A Spectrum Analyzer in a 182T main-frame is \$4650. The analyzer plug-in alone is \$3450 75- $\Omega$  input (instead of standard 50- $\Omega$ ) is \$100 more. Current delivery estimate is 30 days.

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The PXS Universal Crystal Sync Motor Control has been announced by Inner Space Systems, 102 West Nelson St., Deerfield, WI 53531. It is a pocket-size unit designed for the speed control of most dc-motor-driven cameras. It weighs less than 9 oz. Claimed accuracy is 0.002% at 25°C and 0.005% from 0 to 40°C. Three PXS models are available with different, switch-selectable frequencies: 24 : 48, 25 : 50, 30 : 60. A unit for use at 18 frames/s will be available in 1975. The PXS slave uses the  $\pm 8$  frame memory found in all ISS resolver circuits. It has four LED indicators showing whether the sync speed is normal, high or low. Price of this unit is \$225. ISS will install the necessary sync generators and motor control conversions in cameras for an average price of \$80.

The Digi-Slate, a mechanical device for scene slating of sound or silent films, is being announced by Pfeiffer Enterprises, Inc., P.O. Box 45 Richardson, TX 75080. This digit display, called Digi-Digit, can be adjusted to show any desired four-digit scene number and two-digit take number. Certain letter combinations are also possible. A spring-loaded, latched shutter, operated by pressing a button, displays three brightly colored synchronism targets from three, normally black, windows for the time span of one frame. A positive editorial synchronism indication for picture and sound is thus obtained. Large letters on the reverse side of the Digi-Slate permit identifying of scenes with or without sound. The unit measures 13 x 12 x 1 1/2 in and is made of heavy anodized aluminum plate with a cast-aluminum shutter housing. The complete unit with all its accessories will sell for \$59.95.