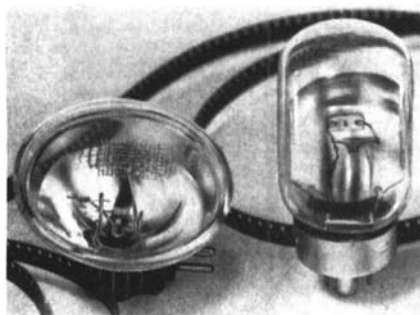


# new products

(and developments)

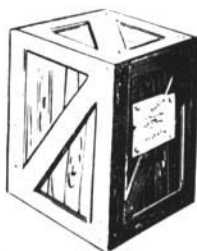
.....  
 Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



A newly developed 8mm projector lamp designed to simplify and improve the lamp optical system by making the reflector an integral part of the glass envelope has been announced by Sylvania Electric Products Inc., 730 Third Ave., New York, N.Y. 10017. The new lamp, called the Dichroic Tru-Beam, is similar in outward appearance to a sealed beam automobile headlight, although considerably smaller. The faceplate of the lamp is 2½ in. in diameter and the lamp tapers back to a depth of only 2 in. The reflector, which is the rear portion of the glass lamp envelope, is formed during lamp manufacture by a special process. After the reflector is formed, a dichroic reflective coating is applied to the inside of the envelope. The design provides a 360° reflective area — approximately 25% more reflective area than that provided by standard Tru-Flector lamps, the announcement stated.

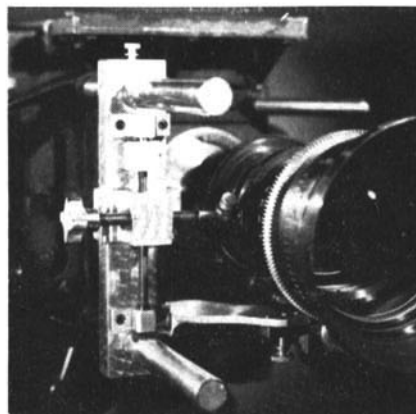
The firm has also introduced a hard glass Tru Focus projector lamp for small, compact projectors. The lamp, which measures only 3¼ in. from socket to top, was developed for use in the new Kodak Carousel 600, 700 and 800 projectors. The lamp features a collecting grid which reduces light loss from lamp blackening by accumulating tungsten vapors before they are deposited on the inside of the lamp. The lamp is also equipped with a proximity reflector located immediately behind the filament.

The Sol-Lux shoulder power supply for Arriflex, Bolex and Beaulieu cameras is a product of Sol-Lux Cinema Electronics, 5134½ De Longpre Ave., Hollywood 27, Calif. The power supply is designed to rest on the shoulder where it balances the camera while connected at a 90° angle to the bottom of the camera.



Among other products the firm has also announced a frequency control power supply for Auricon and Mitchell cameras. The unit weighs 7½ lb and consists of a nickel-cadmium battery; built-in charger; automatic remote; voltmeter and frequency meter with adjuster. It is said to be capable of running the Auricon camera for 60 minutes. Also announced is a wireless tuning-fork unit for wireless lip sync filming in double system. The unit runs on 60 cycles and has a built-in solar charger to charge the battery with solar energy.

On display at the 96th SMPTE Conference Equipment Exhibit in New York were the above mentioned Sol-Lux shoulder power supplies for the Arriflex, Bolex and Beaulieu cameras, and the frequency control power supply for the Auricon and Mitchell cameras. In addition to this equipment there were sync generators, transformers and transmitters for Arriflex, Beaulieu, Bolex, Kodak, Bell & Howell and Mitchell cameras; and Auricon conversions for TV News.



Conversion of the Mitchell BNC to a reflex camera which enables direct viewing through the camera lens while the picture is being photographed has been announced by F & B/CECO, Inc., 315 W. 43 St., New York, N.Y. 10036. The basic optical device is a beam-splitting prism in front of the shutter to permit viewing through the lens during actual filming, with a light loss of only ¼ lens stop reaching the film. A correlator has been attached to the matte box bracket to provide crosshair centering of both camera and lens reticles. A large zooming knob has been attached to the zoom lens while the regular BNC follow focus has been extended to mesh with a gear mounted on the lens front. Although the reflex conversion was designed especially to accommodate the Angenieux 25-250mm zoom lens, the unit can also be used for regular filming. Price of the basic conversion is \$4,500.

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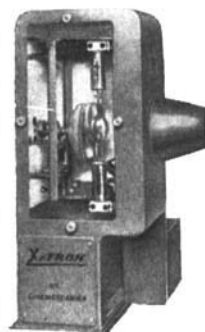
**XETRON**

PRODUCTS

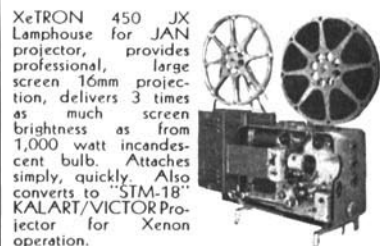
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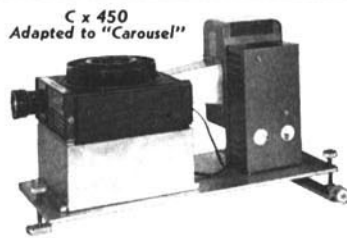


XeTRON CX lamphouse for 16mm, 35mm movie projectors and small format slide projectors. Delivers 2,000 to 2400 lumens and can be used with any standard 35mm projector. Also used to modify many heavy duty 16mm projectors for professional type use



XeTRON 450 JX Lamphouse for JAN projector, provides large screen 16mm projection, delivers 3 times as much screen brightness as from 1,000 watt incandescent bulb. Attaches simply, quickly. Also converts to "STM-18" KALART/VICTOR Projector for Xenon operation.

NOW—AT LAST! A Xenon modification of the Kodak "Carousel" projector providing all the many advantages of the "Carousel", with FOUR TIMES the measured light output. Utilizing the proven Xetron lamphouse and rectifier units, and the Osram XBO 450W Xenon lamp, with conversion delivers 1,500 lumens light output to the screen. Not only this, but the light, with slides, also appears brighter to the eye because it is a high-intensity light, of a much higher color temperature (approx. 6,000 degrees Kelvin) than a normal incandescent lamp.



C x 450 Adapted to "Carousel"

**XeTRON SILICON POWER SUPPLIES**—manufactured for XeTRON by Christie Electric Corp. of Los Angeles, recognized as the foremost manufacturer of silicon power supplies. The XeTRON Christie power supply is solid as an important adjunct to the CX and JX type Xenon units and are required if maximum light output and bulb life warranty is to be obtained. Approved by Osram.

Dimensions: Christie is 8" high x 17-7/8" wide, 13" deep.

Literature on Request. Dealerships Available.

**XETRON**

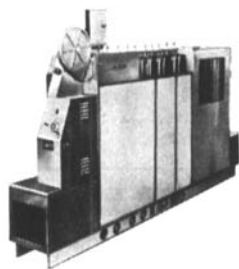
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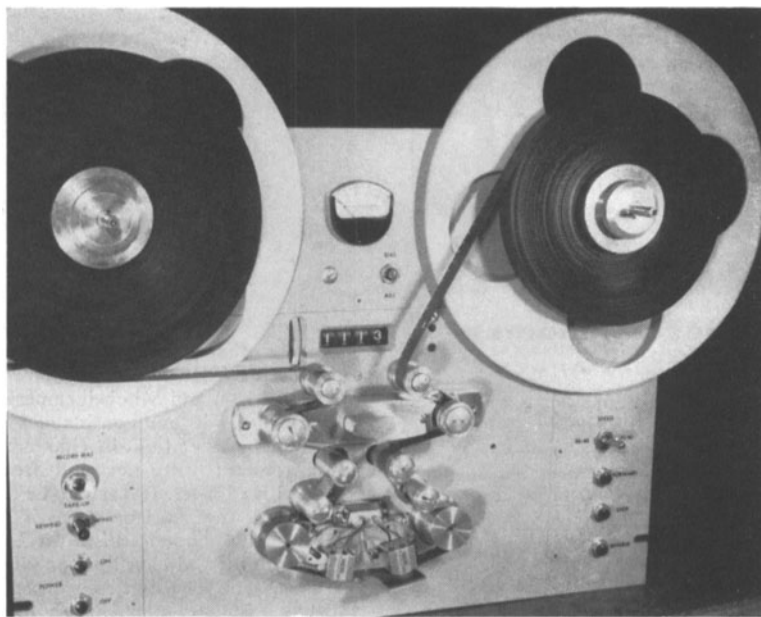
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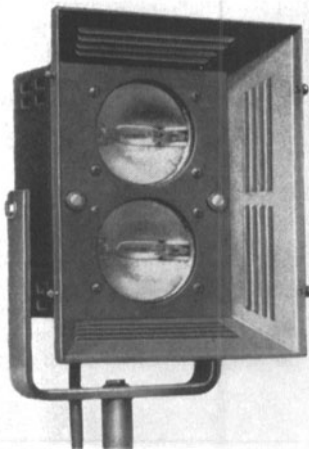
**The W.R.E. Record Playback Amplifier** is a synchronous recording system for motion-picture, television and sound service studios introduced by Wide-Range Electronics Corp., 12200 Dorsett Rd., P.O. Box 1126, Maryland Heights, Mo. 63045. The system includes the Model 918 Amplifier and Model 90 power supply, which are mounted together. The amplifier system consists of the Type 901 Record Amplifier and the 902 Playback Amplifier. Plug-in printer circuit boards are used for reliability and low maintenance. The record amplifier contains a 3-stage pre-amplifier utilizing a low-noise input stage for microphone use, followed by separate dialogue equalization and a gain control potentiometer. The playback amplifier employs circuits identical to those of the record amplifier except for the equalization. Price range is from \$2,500 to approximately \$3,300 for the recorder. Dubbing equipment starts at \$1,798.

**A new dolly** announced by Birns & Sawyer Cine Equipment Co., 6424 Santa Monica Blvd., Los Angeles, Calif. 90038, is a 3-wheel tracking unit designed to support cameras up to 200 lb. Design features include spring-tension Tri-Down and leg clamps, hi-hat mount over the center block, 5-in. rubber-tired wheels and foot-operated wheel brakes. The dolly is priced at \$120.

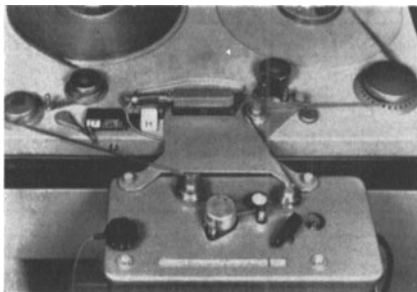
**The Arriflex-35 Model II C** has been announced by Arriflex Corp. of America, 257 Park Ave. South, New York, N.Y. 10010. The new camera supersedes the Model II B, but accepts the same basic accessories. Model II C features a new, completely redesigned optical reflex viewing system. The finder has been enlarged and now shows the full field for CinemaScope (0.735 X 0.868 in.) aperture. The eyepiece is a detachable unit which can be interchanged with special eyepieces and permits use of the Arriflex Periscope Finder. It can also be fitted with a corrective lens for eyeglass wearers. Stray light is blocked from the finder by a specially designed closure mechanism. This can be replaced by an anamorphic lens element to "unsqueeze" the finder image formed by anamorphic objectives. Several versions of the camera are available including variable shutter; sync signal generator and automatic clapstick; operation to 80 frames/sec; and filming in the Technicolor process. Prices start at \$1,960.

**The Zeiss Ikon Movieflex Super**, a product of Carl Zeiss, Inc., 444 Fifth Ave., New York, N.Y. 10018, is specially packaged to avoid damage in shipping. It is first packaged in a custom-contoured Styropor foam block, which is suspended in a corrugated inner carton by 16 air-filled, semi-rigid plastic balls. The miniature shock absorbers also suspend the inner corrugated carton in the outer shipping case. In effect the camera nests inside a triple package with the plastic balls separating the layers. The Zeiss camera, reported to be the most expensive 8mm camera now available, is priced at \$660.

**A newly expanded line of d-c power supplies** designed specifically for operating xenon and mercury-xenon arc lamps has been announced by Christie Electric Corp., 3410 W. 67 St., Los Angeles, Calif. 90043. The line consists of 14 units, including both highly regulated and manual units. Covering lamp readings from 150 w to 10,000 w, each unit is designed to operate any of two or more different lamp sizes, either xenon or mercury-xenon. They include automatic regulation as well as extremely low current ripple and other special features for longer lamp life. A feature called "slope control" is used to provide automatically regulated constant current, constant power, or increasing power. Applications suggested by the manufacturer include solar simulation, data display systems, scientific instruments, and projection systems.



An advanced **Nova Twin** unit designed to provide any type of lighting from a narrow spot to a wide flood has been announced by Novatech Corp., 282 Seventh Ave., New York, N.Y. 10001. The unit, designated the NTS, has a variety of accessory reflector assemblies to permit a broad control of beam spread. Two pushbuttons are used to provide instant interchange of reflector assemblies. Electrical contact is automatic and reflector assemblies utilize quartz iodine bulbs in single or dual combinations ranging from 650 w to 1,300 w.



The **Eltro Tempo Regulator**, a device capable of changing the tempo of a tape recording without affecting its pitch and, conversely, changing the pitch without affecting the tempo, has been introduced by Gotham Audio Corp., 2 W. 46 St., New York, N.Y. 10036. The announcement noted that the device, a German invention, had been briefly available in the United States about five years ago, but in the meantime had changed manufacturers and been re-engineered throughout. In operation the device is placed in front of any professional tape recorder using its wind motors and playback amplifier(s). It features a rotating head assembly and a variable-speed capstan drive which permit a tempo range from 50% to 180% of normal speed without change of pitch, and a pitch change of approximately  $7\frac{1}{2}$  tones above and more than three octaves below normal without change of tempo. Applications suggested by the manufacturer include speech analysis, production of spot commercials, talking books for the blind and various trick recordings. Price range begins at \$3,950 for the basic  $\frac{1}{4}$ -in. 15 in./sec mono machine.

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Inc., Palo Alto, Calif. The system utilizes a metal disc approximately 12 in. in diameter. Each disc has a storage capacity of 1,200 pictures which may be played any number of times with an accessibility rate of 500 pictures/sec. Any picture can be erased and replaced with another at any time. Combined with a disc storage and changer mechanism similar to a record player, the system can be expanded to have a capacity in the order of 100 discs, providing a total storage of 120,000 pictures. The reproduced picture is reported to have a resolution of more than 300 lines and a signal-to-noise ratio of 40 db. The recorder accepts any regular video signal and records one complete video frame at a time. Maximum re-

ording rate on the metal discs is 30 pictures/sec. The unit can be operated from any number of remote control stations and its recorded pictures displayed on any number of TV monitors or receivers, the announcement stated. Estimated price of the machine when it becomes commercially available is about \$3,500 without the camera and monitor.

**A microphotometer, Model 380**, for making light measurements in the micro-microlumen and microlumen ranges has been announced by Grace Electronics Inc., 4380 Warner Rd., Cleveland, Ohio 44105. The rise time is reported to be 0.5 msec on most ranges and 1 msec on the 1 milli-

microampere range. Seven switchable low-pass filters are incorporated to permit reducing the speed if fast rise time is not desired. The d-c amplifier is said to drift less than 2% in 4 days. It is permanently calibrated in microamperes within 1.5% and has 9 ranges from  $10^{-6}$  amp to  $10^{-9}$  amp. Equipment is included for zero suppression up to 100 times full scale. A 6-in. meter and a 3-ma recorder jack are the outputs. The integral high voltage power is adjustable from -500 v to -1800 v regulated within  $\pm 0.1\%$ . The instrument is priced at \$845. A variety of detachable probes is available for visible, infrared and ultraviolet, all of which use multiplier phototubes as transducers.

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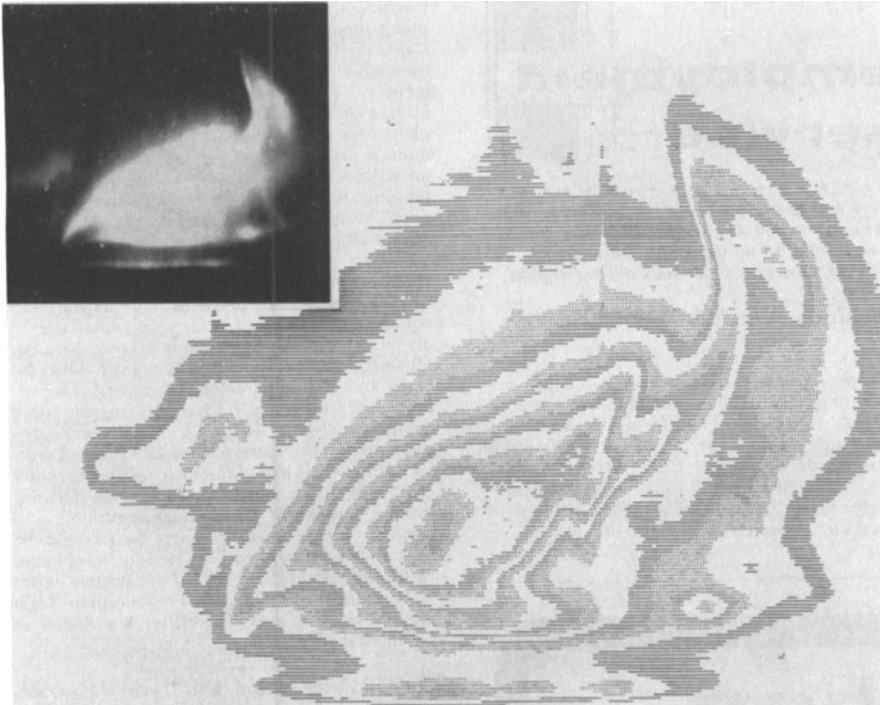
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**The Quik Splice Cartridge Repair Kit, Model #133,** for repairing 8mm film has been announced by Hudson Photographic Industries Inc., Irvington-on-Hudson, New York 10533. Designed for repairing sound or silent 8mm film while loaded in cartridges, the kit includes an adjustable angle butt splicer and dispenser pack of Quik Splice tapes. When using the system, a few

inches of film are pulled out of cartridge and the point to be spliced is placed over the registration pin in the splicer. The film is cut by a slight pressure on a handle which has a dial permitting selection of a 90° cut on the frame line or a 40° diagonal cut. The tape patch is then applied with the film left in position in the splicer. When it is spliced the film can be pushed back into the cartridge. The kit is priced at \$8.50.



**This isodensity tracing and the photo from which it was made are of a polar aurora.** The photo was taken with a Kinoptik lens from a jet flying at 37,000 ft. The tracing is corrected for characteristics of the film and is a quantitative map of the actual brightnesses in the space photographed. Contours of equal density are apparent and the densities of all points can be quickly determined.

**The Isodensitracer (IDT),** a high-speed direct recording isophotometer that automatically maps the density of film transparencies and glass plates, has been developed by Technical Operations Research, Burlington, Mass. The instrument, which operates in conjunction with the Joyce-Loebl Microdensitometer, is also marketed by Beckman & Whitley, Inc., San Carlos, Calif.

The IDT automatically scans and measures the density of all points in a film transparency or plate and plots the measured density values in a quantitative two-dimensional isodensity tracing of the scanned area. It is reported that a 7- by 9-in. isodensity tracing is usually produced in about an hour. To plot a similar isodensity map manually from successive microdensitometer tracings would take a skilled technician about seven working days. The instrument measures densities up to 6 D. Specimen to record magnification ratios extend from 1:1 to 1:2,000. The IDT can handle films, plates and specimens up to 5 by 10 in. Maximum detecting resolution is 1 micron.

Applications include analysis of atmospheric and astronomical photographs, such as the tracing and photograph (above) of a polar aurora. The photograph was taken with a kinoptik lens from a jet plane flying at 37,000 ft. The tracing is corrected for characteristics of the film and is a quantitative map of the actual brightness in the space photographed. Contours of equal density are apparent. Other applications include lunar geometries, spectrum plates, high-speed streak and framing records, radiographs, biological specimens, photogrammetric records, x-ray crystallographs, medical x-rays, x-ray diffraction patterns and evaluation of optical components and systems. The complete system price, including the Joyce-Loebl Microdensitometer, is \$18,000 to \$19,000 depending on the density range. Present users of the Microdensitometer may have it modified to an Isodesitracer for \$9,950 plus an installation fee. The converted instrument can still be used in the single-scan mode.

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**Optical equipment for the RCA four-tube color camera** will be manufactured in Great Britain by the Rank Taylor Hobson Div. of the Rank Organisation, 19/21 Mortimer St., London W.1, England, according to the terms of a recently signed contract. The optical equipment includes zoom lenses for live broadcasts in color. The RCA camera has a separate monochrome channel in addition to three color channels.

**Videofile**, an automated micro-filing system designed to store documents on magnetic video tape, has been announced by Ampex Corp., 401 Broadway, Redwood City, Calif. Files are presented to the user either as pictures on a television screen or as printed copies. Television and television tape recording are the methods by which Videofile acquires and stores material. Magnetic tape is the medium upon which television images of document pages are recorded. The basic system consists of a Videotape television recorder with built-in electronic editing capabilities, a television camera, an indexing unit, television receiver and/or an electrostatic printer. Additional equipment is available for large and complex files.

The first Videofile will be delivered to NASA at the George C. Marshall Space Flight Center, Huntsville, Ala., in about 11 months, according to the announcement. It will be used as a reference library for technical reports of component tests and reliability data for the use of NASA centers and prime contractors throughout the United States. It is expected that the

system can be expanded to provide direct access to the library from key points across the country.

Cost of a system will vary from \$200,000 to more than \$1 million, depending on the amount and type of reference material on file and the number of reference points.



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**European Director-Cameraman.** Staff experience at leading film studios in Europe in commercial, documentary and feature films. Awards for stopmotion and special effects. Graduate of Film Academie Rome, CSC. Five languages. Seek temporary or full-time assignment anywhere. Write for resume to: Joep Königs, 20 Charlton St., Princeton, N.J. 08540.

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**Production Manager/Co-ordinator or Producer-Director.** Reliable young man, trained and experienced in all phases of motion-picture production. M.A. in Cinema and B.A. in Communications, both from University of Southern Calif. 30 months as production manager with nationally known Hollywood producer of documentary, educational, industrial and business films, and TV commercials; 27 months with in-plant film unit; newspaperman for 27 months; military service completed, current U.S. government "Secret" clearance. Willing to travel or relocate. Resume and letters of reference on request. Write to 1027 W. 35 St., Apt. 3, Los Angeles, Calif. 90007.

**Photographer/Cinematographer/AV Specialist.** Twenty years combined commercial and educational experience. Extensive experience in all phases still & M.P. photography, editing, film-strip production. Have designed labs for black and white and color processing. Have rebuilt and re-adapted surplus continuous processing equipment. Much N.Y. TV experience; photographer for Ed Sullivan show for 13 years. Director of Photo Services at Inter American University of Puerto Rico. Desire position with forward looking concern or educational institution, will relocate, prefer warm climate. Also would be very much interested in foreign assignment (Bilingual—English, Spanish). For resume write: Hale Hauptman, Director Photographic Services, Inter American University, Box 462, San German, Puerto Rico.

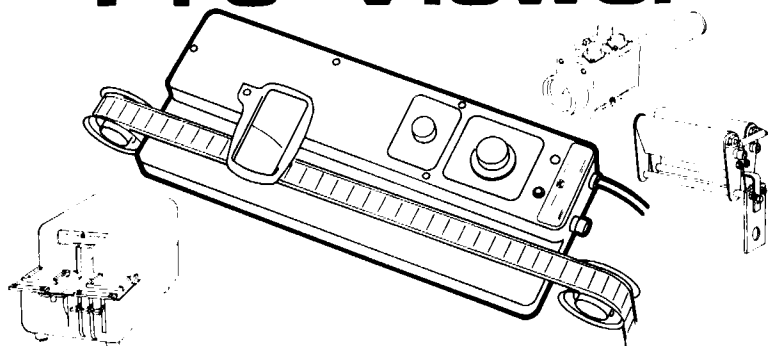
**Motion Picture Prod Lab Tech.** 25 yrs experience all phases motion pictures, microfilm, B&W and color. Operated own commercial lab. Have 80 F Anscochrome processing equipment with sulfide soundtrack applicator. Desire to make connection with going lab, company or studio, preferably on west coast, wishing install such equipment. Member SMPTE and IATSE, Top Secret security clearance, best of references. V. A. Siegrist, P.O. Box 9603, Kirkwood 22, Mo.

**Engineering - Director.** 25 yrs experience radio and television engineering and operations, including administrative, FCC hearings procedure and filing of applications as well as construction, installation, operation and maintenance with B&W and color equipment, including video tape. SMPTE Member. Available September 1. Robert E. Leach, 9162 North Military Trail, Lake Park, Fla. (305) 848-0742.

**Motion-Picture Production Associate.** Five yrs experience 16mm educational film area. Capable of handling all phases of production including printing and processing. Extensive photographic still background in commercial areas. BA from Univ. of Southern Calif. and partial graduate requirements for MA in Radio and Television. Presently with a small film unit at university. Am looking for employer who needs creativity combined with technical competence. Married. Age 30. Resume and references on request from John A. Werner, 1844 S. 43rd St., Lincoln, Nebr., 68506. (402) 488-5191.

**Photographic Technician.** 13 yrs experience all phases of photography, 4 yrs kinescope recording experience, all phases, experienced in closed circuit TV and some broadcast. Maintained and

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