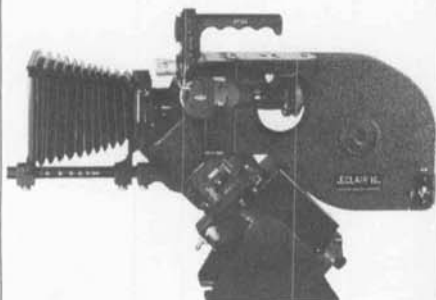


eclair

16MM

NOISELESS • PORTABLE • REFLEX



FOR SALE... FOR RENT...
FOR LONG TERM LEASING...

A complete line of zoom lenses, magazines, and accessories are available.

For detailed literature write today:

the **CAMERA • MART** inc.
1845 BROADWAY • NEW YORK 23, NEW YORK
PLaza 7-6977

splicers?

hot or cold... wet or dry!
CAMERA • MART has them.

CIR SPLICER

- Precision machined for accurate registration.
- For use with non-perforated Mylar or Cellulose Tape.
- Cuts straight for picture and diagonal for sound.

16mm Model\$185.00
35mm Model\$225.00



PORTABLE HOT SPLICER

- Professional model with hardened ground chrome steel cutter blades.
- Built-in carbide tipped scraper blade cuts splicing time in half.

Model 135 — 35mm or 16mm\$339.00
Model 116 — 16mm or 8mm\$239.00

Camera Mart has a complete line of splicers for every need.

For further information write:

the **CAMERA • MART** inc.
1845 BROADWAY • NEW YORK 23, NEW YORK
PLaza 7-6977

processing under absolute control at all times.

Speed changes necessary to compensate for under or over exposure are made only after a test strip is run through the processor, since it is too late to alter the developing time once the film is visible in the daylight section. The processing has been reduced to two variables: solution temperature and camera aperture. It has been found that with inexperienced and experienced personnel it is too easy for the speed to be changed slightly—and then the temperature and time, until the entire process is out of control. Elimination of adjustable elevators and variable-speed motors has solved this problem.

The take-up reel is clutch-driven in such a way that, as the diameter of the roll of film increases, the film tension remains relatively constant.

The control box at the rear of the machine houses all of the electrical controls, as well as the air blower and heaters. An external source of hot and cold water is connected to the processor through regular garden hoses. Power requirements are 20-amp, 117-v, 60-cycle a-c.

On tanks requiring temperature control there is an individual water-jacketed heat exchanger in the circulation system. Hot and cold water are passed through a thermostatically controlled water tempering valve, and then into the heat exchangers. After being used in the heat exchangers it is used in the washes. In most black-and-white and color processors the operating temperature is 80 F or higher, thereby eliminating the use of refrigeration.

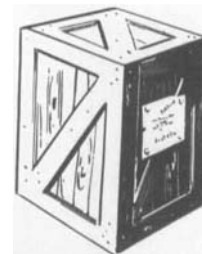
Conclusion

The submerged spray system gives exceptionally uniform development, especially under high temperatures and short developing times. All developer by-products are instantly removed from the surface of the film by the high velocity jets of solution impinging upon the film. Once the film is immersed in the tank, there are no low-velocity areas or air pockets to restrict film contact with the solutions.

Since the tanks are brimful at all times and the exposed solution area is small, there is no danger of aerating solutions that are easily oxidized, such as color developers.

High-velocity submerged-spray processing combined with small tank volume has reduced uneven development and density variations to less than 0.010. Gamma variations from day-to-day are nil, since the film tanks are continuously replenished with fresh solutions of constant strength. A separate overflow is available for the fixer tanks to permit silver recovery.

Another result of this high-velocity submerged-spray system is that the films show less graininess and higher resolution. This is apparently due to the turbulence quickly removing bromides from the area of the developing grains, as well as providing more surface development. Line records reveal increased image boundary line sharpness. This has been useful in the computer-recorder field where it has increased by from 50% to 100% the number of clearly resolved dots to the square inch on reversal-processed high-speed blue-sensitive recording film.



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.

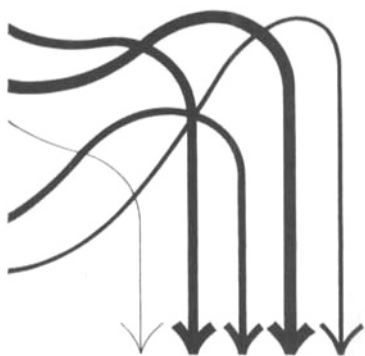
A color television pickup tube called **Selenicon** has been announced by the Radio Corp. of America. The photosensitive layer of the tube incorporates the element selenium to multiply the tubes sensitivity to light. Selenium is extremely sensitive to light but is unstable at temperatures encountered in an operating television camera. In the Selenicon a specially developed stable selenium alloy is deposited on the inner surface of the glass window at the front of the tube. Its behavior is similar to that of the retina of the human eye when exposed to light.

A four-tube camera employing three Selenicons to generate red, blue and green signals together with an image orthicon to provide a separate black-and-white signal has been developed, the announcement stated. The new color tube is said to operate on the same principle as a vidicon pickup tube, i.e., when light from the scene being telecast passes through the window and falls on the tube's retina, it generates a pattern of electrical charges that correspond in every detail to the variations of intensity present in the light itself.

Thus, an electrical "negative" of the real scene is impressed on the layer and remains until an electron beam sweeping back and forth across its back "neutralizes" or erases it. As this takes place a tiny current varying with the amount of charge being erased at any one point on the layer is generated, picked up and transmitted as a TV signal. The new color tube is said to more than double the camera's color sensitivity.

A new 16mm/8mm **Hycam High-Speed Camera** having a 400-ft film capacity and framing rates from 10 to 20,000 pictures/sec has been announced by Red Lake Laboratories, Inc., 2971 Corvin Drive, Santa Clara, Calif. 95002. The new camera has the same basic 2-section design as that of the original 16mm 100-ft capacity Hycam (*Journal*, p. 896, Nov. 1962) comprising the film transport unit and a simple optical head. Optical heads are mechanically interchangeable among all Hycam cameras except that the optical head from the 100-ft model requires the addition of a speed-sensor to make it respond to the electronic

We'll throw you some RAR curves



...if you want them.

They are curves that have to do with sensitometric data, acutance, granularity, modulation transfer function, and other technical aspects of the five new RAR (Rapid Access Recording) Films from Kodak. We'd like to send you this information. If you don't want the curves, tell us about your data-recording problems and we'll help solve them.

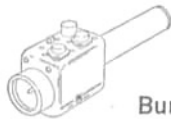
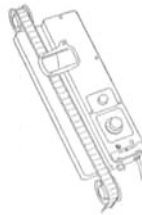
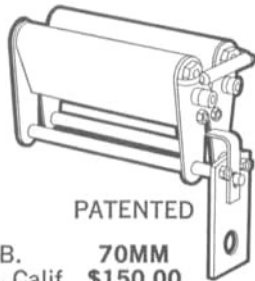
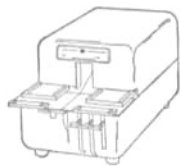
The films are specifically designed for data re-

ording and hot processing at temperatures up to 130°F. They expand the usefulness of the photorecording art.

You'll get data plus consultation on which KODAK RAR Films are best for the work you do by writing to EASTMAN KODAK COMPANY, Photorecording Methods Division, Rochester, N.Y. 14650, or by calling 716-325-2000, Ext. 3257.

Kodak

Gryphon Air Squeegee



PATENTED

F.O.B. Burbank, Calif

70MM	35MM	16MM
\$150.00	\$100.00	\$100.00

Uses high pressure compressed air (10-20 psi) to form a high velocity air cushion that prevents film contact and completely eliminates water spots.

Minimizes solution carry-over, contamination and wasted chemicals.

Custom fabricated of photographic grade stainless steel—no gaskets, cements, or other materials—completely safe with chemicals.

Easy to adjust—easy to maintain—nothing to wear out.

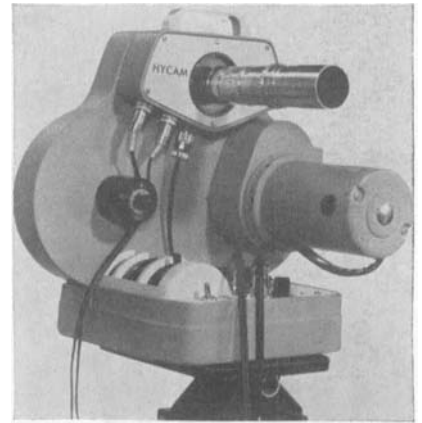
GRYPHON



CORPORATION

P.O. BOX 854 BURBANK

CALIFORNIA • PHONE 848-2411



speed control of the new camera. The increased film capacity permits multiple runs to speeds as high as 3,000 pictures/sec, the announcement stated. Features include a film-footage counter with external indicator, to facilitate such multiple runs, and a built-in electronic speed control to hold operating curves flat to within 1%. Prices for the new camera, including the speed control, begin at \$2,330.

A high-speed digital linear measuring instrument designed to have absolute scale readout has been announced by Bausch & Lomb, Rochester, N.Y. 14602. Called DIG, the instrument provides measurements in microns, ten-thousandths, or 50-millionths increments, and has an optional floating zero that is mechanically stored by and displayed on switches at the front of the unit. All measurements are shown in decimal display and with coded decimal output for printout, storage or feedback purposes. The system consists of three major components: a precision glass scale, a compact reading head, and a remote display panel. In use, the DIG head and scale are mounted on separate machine elements, moving in relation to one another. The reading head optically scans the scale and makes absolute determinations of position, relative to a zero reference point on the scale. The instrument can display measurements over a single axis or provide selected display of measurements over any one of two or three axes. The scales are glass-base replicas with reflective gradations precisely spaced at 1-mm or 0.050-in. intervals. A separate series of decimal code tracks identifies each fine scale gradation used in the interpolation process. The gradations are protected from dust and damage by a layer of flat glass.

A new wide-film processor designed specifically for use in confined areas has been announced by Houston Fearless Corp., Westwood Div., 11801 Olympic Blvd., Los Angeles, Calif. 90064. Called the HTA-3CM, the processor is 18 ft long and 6 ft 4 in. high. Features include a new dual take-up reel system to allow quick changeover from full reels to empty spools. Two new static eliminator bars are installed at the take-up end, as well as a light box allowing immediate inspection of films coming from the drying compartment. A new film splicer has been included to allow faster, more convenient splicing

*Re-recording
systems
compatible
to your
sync-pulsed
taped originals*

Send for literature

MAGNASYNC
CORPORATION
Subsidiary of Monogram Industries, Inc.

5547 Satsuma, No. Hollywood, Calif. 91601
(213) 877-1591 • Cable: "MAGNASYNC"

Visit our Booths 220, 221
at the SMPTE Show

RECORDERS

synchronous magnetic film

DUBBERS

mixing, assembly, transfer

INTERLOCKS

electrical, mechanical

CONSOLETTES

desk-top studio mixing

ACCESSORIES

a wide variety



International leaders
since 1953



stock & custom

Inspect every foot before it leaves your plant with the HFC High Speed Heavy Duty Inspection Projectors -- 16mm & 35mm models now available.

NEW

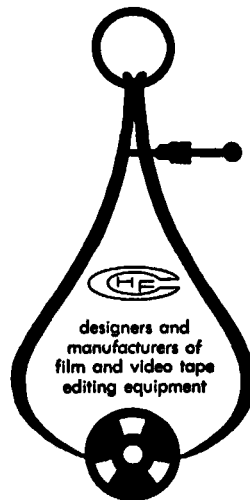
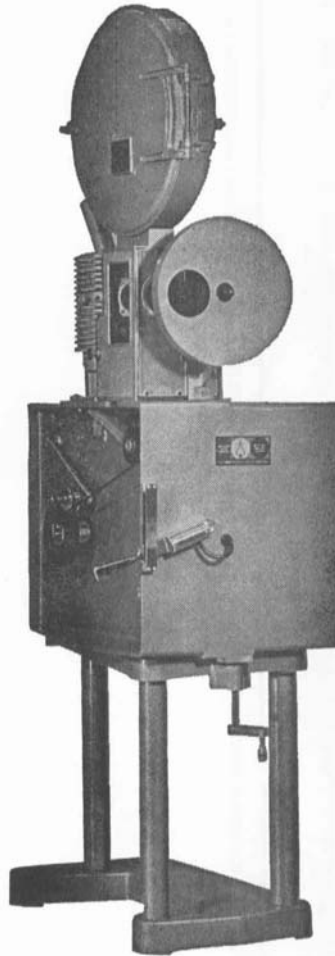
The projector is a converted front shutter Simplex with a two pin intermittent. 16mm or 35/32 film runs at a speed of 144 ft. per minute while 35mm film runs at a speed of 165 ft. per minute.

1. A variac controls the light intensity.
2. A 500 watt lamp is used for 16mm and a 1,000 watt for 35mm (a blower is used to cool the lamphouse).
3. A 2½ inch projection lens is furnished with each unit.
4. A start-stop lever controls the power to the lamp and motor.
5. The magazine and take up core takes up to 3,000 ft. of film.
6. Upper guide rollers are made to handle the film from either direction of the feed reel.
7. A free wheeling take off flange is provided in the magazine.
8. A lamp near the takeup reel permits hand inspection of the film prior to takeup.

NOUVEAU

Le projecteur contient un obturateur Simplex anterieur transformé avec deux clavettes intermittent. Les films de 16mm ou 35/32 tournent avec une vitesse de 144 pieds à la minute, tandis que les films de 35mm tournent avec une vitesse de 165 pieds à la minute.

1. Le regulateur de voltage d'intensité d'eclairage.
2. La lampe de 500 watt est nécessaire pour les films de 16mm, et de 1000 watt, pour les films de 35mm (un ventilateur est mise pour rafraichir la chambre de la lampe).
3. L'objectif de 2½ est installé.
4. La manette de mise en marche et d'arret controle en meme temps la lampe et le moteur.
5. La boite de films avec noyau peut contenir 3000 pieds du films.
6. La roue supérieure est construite de manière de recevoir le film dans les deux directions, nourrie par la bobine centrale.
7. Une roue est installée pour libérer rapidement le film de la boite.
8. La lampe se trouve pres de la bobine recepteuse, et donne toute facilité pour inspecter le film a main dans le projecteur.



HOLLYWOOD FILM COMPANY

REELS / CANS / CASES

NUOVO

Questi proiettori sono Simplex trasformati, otturatore al fronte, meccanismo di scatto di due punte. La velocità di proiezione in 16 o 35/32mm è di 144 piedi per minuto, e in 35mm, di 165 piedi per minuto.

1. Controllo manuale della luminosità della lampada.
2. Lampada di 500 watt per 16mm e di 1000 watt per 35mm.
3. Obiettivo di proiezione di 2½".
4. Maniglia per controllo di motore e lampada di proiezione.
5. La cassetta porta pellicola può contenere 3000 piedi.
6. I rulli superiori di guida sono costruiti per operare con film proveniente di ambedue i lati della bobina avvolgitrice.
7. Disco con montatura sporgente nel magazzino.
8. Una lampadina illumina la bobina avvolgitrice, permettendo l'ispezione manuale del film prima che si avvolga nel proiettore.

NUEVO

Esta máquina es un proyector simplex convertido, obturador al frente y movimiento intermitente a doble grifa. Para 16mm o 35/32mm, la velocidad fija de proyección es de 144 pies por minuto, para 35mm es de 165 pies por minuto.

1. Un reostato controla la intensidad de la lámpara de proyección.
2. Para 16mm se usa una lámpara de 500 watt, y una de 1000 watt para 35mm (un chorro de aire ventila las lámparas en ambos casos).
3. Cada unidad está provista de un lente de proyección de 2 pulgadas y media.
4. Una palanca de control opera el motor y la lámpara simultáneamente.
5. Capacidad de proyección: rollos de hasta 3000'.
6. Los rodillos de guía superiores operan con la película en ambas direcciones.
7. La tapa de la bobina de carga es desenroscable.
8. Una lámpara ubicada junto a la bobina de toma permite la inspección manual de la película antes que se rebobine en la bobina superior del proyector.

YOUR DIVIDEND



from
LAB-TV

In a word that dividend is quality. The kind of quality processing your investment deserves. Quality that has made Lab-TV the east's #1 source for reversal processing. There are two other dividends you can count on from Lab-TV. 1. Fast Reliable Service. 2. Fair Competitive Prices. Could you want more?

THE LAB FOR REVERSAL FILM

16mm

**BLACK & WHITE REVERSAL
PRINTING & PROCESSING**



COLOR PRINTING

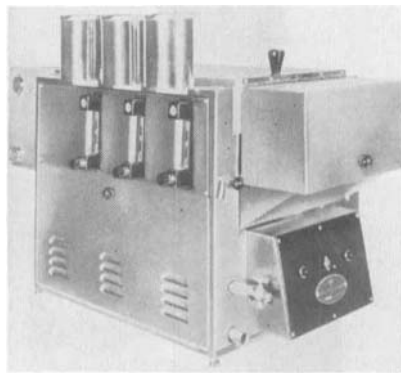
OTHER SERVICES:

• Work Prints • Color-to-color Prints • Color-to-B & W Prints • Raw Stock • Ultrasonic Film Cleaning • A & B Roll Prints • Fades-Dissolves • Timed Prints • Edge Numbering • 8mm Processing

LAB-TV

723 Seventh Ave., New York 19, N.Y. • JU 6-2293

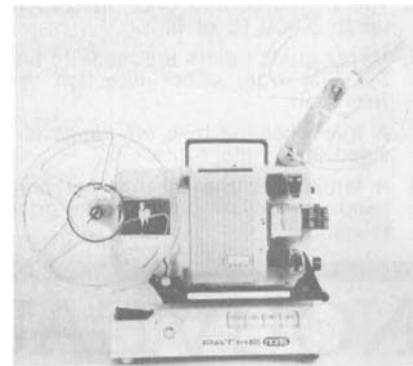
at the load end of the processor. Steel guide bars can be quickly dropped in position over the film to be cut and held in position by clamps and a magnet. A new subtractor roller assembly has been added between the last wash tank and drying compartment to control water spotting and streaking. The film rides through the assembly on nine free rolling ball-bearing rollers of finely polished phenolic. Warm air passes over the rollers from adjacent slots to spread evenly any water remaining on the film after passing over the squeegee. The 3CM is priced at \$65,000.



The Minisomat, a surface application, dry-to-dry, temperature-controlled automatic processor for sheets or rolls of photosensitive films or papers, has been announced by Oscar Fisher Company, Inc., P.O. Box 2305, Newburgh, N.Y. It is a small (3 ft long, 1½ ft wide and 2 ft high) table-top, daylight-operated unit said to produce a normally processed dry image in 8 sec. In operation, stainless-steel drums spin at a calibrated constant speed, each receiving a thin meniscus layer of developer, short-stop, fixer and water. The photosensitive material is pulled across the tops of the drums. The same solutions used as replenishers are automatically gravity-fed into the solution tanks by self-contained valves and flow meters. The processor is available in two models, Model A, for films and papers up to 12 in. wide, priced at \$3,200; and Model B, for films and papers up to 20 in. wide, priced at \$4,750.

An high-speed, black-and-white reversal panchromatic motion-picture film called the Ansco Type 2961 has been announced by the Photo & Repro Div., General Aniline and Film Corp., 140 W. 51 St., New York, N.Y. 10020. It is designed especially for such applications as television and sports photography under adverse lighting conditions, direct television recording for rebroadcast, and other industrial and scientific applications, such as data recording, missile tracking and motion studies. The film speed is reported at ASA 200 for reversal processing and ASA 100 for negative processing. It is also said to respond well to forced processing with minimum losses in maximum density and fine grain characteristics. The film can be processed in conventional processing equipment and in 95 F solutions using high-temperature processing procedures. It is available in all standard 16mm roll sizes, spools and cores, including sound and high-speed perforations.

A high-temperature plastic-base magnetic recording tape reported to be a "first" has been announced by Reeves Soundcraft, Division of Reeves Industries Inc., Great Pasture Rd., Danbury, Conn. Utilizing a newly developed polyamide base, the tape is said to be capable of operation at temperatures up to 300 F and, in reel form, is said to withstand temperatures of up to 400 F without serious degradation. Basic physical properties of the tape are reported as "quite similar" to those of Mylar polyester film at room temperature, however, the new tape base does not decompose until the temperature reaches 1,470 F while Mylar melts at 450 F and aluminum foil at 1,020 F. The new tape also utilizes the Reeves Micro-Plate process which combines an oxide formulation with a tough binder system to achieve greater reliability and longer tape and head life. Applications are expected to include aerospace and interplanetary recorders, down-hole geophysical recorders and aircraft crash recorders.



Products recently announced by Pathé Products, Inc., 153 Daboll St., Providence, R.I. 02907, include the Pathe Professional 16-AT camera, the Pathe-Noris V24 Deluxe Slide Projector, and the Pathe Noris-8 Zoom Sound Projector.

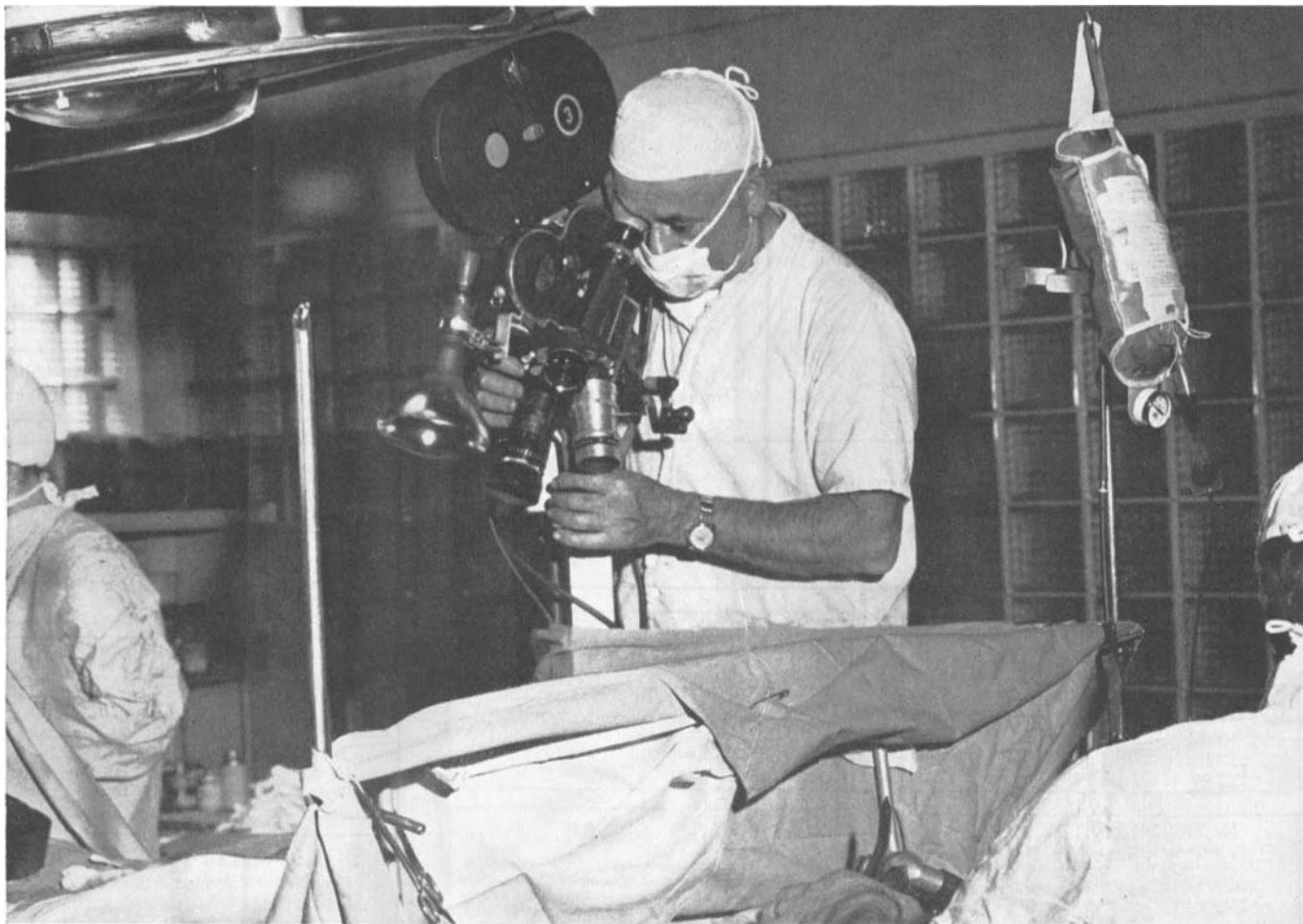
Accessories to the 16-AT include the Kompendium (matte box-filter holder-bellows), 400-ft interchangeable magazines and 8-80 motor with tachometer that operates at all speeds from 8 to 80 frames/sec. The accessories are designed to be easily added to the camera by the user. Price of the camera together with the accessories is \$1,762.54.

The slide projector is fully automatic. Features include a 24-v 150-w quartz iodine lamp; *f*/2.8 100mm lens for image sharpness, blower cooling system and automatic remote focusing. It is priced at \$169.95.

The projector is entirely automatic. Features include a 12-v 100-w lamp and 15-25 zoom lens. It operates at speeds from 8 to 26 frames/sec with rheostat control and automatic safety screen if under 8 frames/sec. Any standard tape recorder 3½ in./sec can be used and a reverse synchromat feature for easy and accurate re-recording is included. The projector is priced at \$199.95.

"One of the fastest films in the world" is how Eastman Kodak describes its new panchromatic film, the Kodak 2475 Recording Film (Estar Base), which has an

ARRIFLEX at work — ONE OF A SERIES *



ARRIFLEX® ENTERS SURGERY TO FILM HUMAN KIDNEY TRANSPLANT

When the surgical team, headed by Drs. Joseph E. Murray and J. Hartwell Harrison, convened in Boston's Peter Bent Brigham Hospital to perform a human kidney transplantation, one of medical science's newest and most intricate operations, an important member was the man behind the camera.

He was Leo Goodman, chief medical photographer with The Mallory Institute of Pathology, Boston City Hospital. His task: to film in color the entire operation proceedings, capturing every critical moment. His challenge: working under stress in restricted space with no margin for misjudgment or mishap. His instrument: the compact Arriflex 16mm motion picture camera... chosen, says Goodman, "because I know what I see in the viewfinder is exactly what's being recorded. The camera

becomes an uncanny extension of oneself... with hardly a thought devoted to its mechanics."

Honored by the 48th Annual Clinical Congress of the American College of Surgeons, Goodman's self-edited film, HUMAN KIDNEY TRANSPLANT, won the award for excellence in educational motion pictures devoted to surgery. It now serves as a Surgical Resident Teaching Film for doctors studying the operative techniques of vital organ transplantations, one of surgery's major advances in prolonging human life.

From operating room to outer space... hand-held, on tripod or remotely controlled... the versatile Arriflex adapts to any assignment in professional cinematography. Try it. Discover for yourself why Arriflex is "first choice."



From the microscope to the missile range... from spot locations to sound stages... Arriflex professional motion picture cameras are the dominant choice of filmmakers in science, industry, and entertainment. They're lightweight, rugged, tremendously versatile—uniquely suited to a range of applications virtually without limits. Here are some of the features that give Arriflex cameras their remarkable capabilities:

- MIRROR-SHUTTER REFLEX VIEWFINDER
- REGISTRATION-PIN FILM MOVEMENT
- 21°-DIVERGENCE 3-LENS TURRET
- CONTOUR HAND GRIP
- FRAMES-PER-SECOND TACHOMETER
- COMPLETE ACCESSORY SYSTEM... lenses, standard and special-purpose electric drives, power supplies, time-lapse equipment, film magazines, sound blimps, tripods.

WRITE FOR NEW CATALOG.

°YOU ARE INVITED to send us a description of your special use of Arriflex equipment.



ARRIFLEX CORPORATION
OF AMERICA
257 PARK AVENUE SOUTH, NEW YORK, N. Y. 10010

"THE ARRI STORY"—An absorbing 32 minute color sound film depicting the step by step manufacture of Arriflex precision cameras and their applications to varied cinematographic assignments. Available without charge for group showings. Write (on letterhead, please) Arriflex Corporation of America for bookings.

ASA Film Speed of 1600 when exposed in tungsten light. An extended red sensitizer, as used in Kodak Shellburst Panchromatic film, has been added to the Kodak Royal-X Pan emulsion to make the new film. The red sensitivity of the new film is extended from 650 to about 720 A, making it possible to record on film events seen in relatively dim light. The film has medium granularity, low resolving power and medium acutance. Maximum processing temperature is 90 F. Normal processing time is 8 min in DK-50 at 68 F.

The film is expected to be especially useful to law enforcement agencies, enabling police to make still and motion pictures of persons committing a crime or involved in riots or similar demonstrations in dimly lighted areas at night. The ex-

tended red sensitivity of the film makes it valuable for filming fires at night and for making fire scene pictures by the light from the fire itself.

A special order item, the film is available in 16mm, 35mm and 70mm. A 125-ft roll of the 16mm film is priced at \$8.80 and the 35mm is priced at \$14.15.

A **butt-type splicer** for joining materials in width sizes of 70mm, 5 in. and 9 1/4 in. has been announced by Prestoseal Manufacturing Corp., 37-12 108th St., Corona, N.Y. Called Series 900, the unit joins two ends of the material by heat/pressure application of a 1/4- to 1-in. adhesive band. Where a more secure bond is required, perforations (comparable to those of a

Kalamazoo punch) are made along the abutting edges so that the adhesive sliver adheres to itself as well as the material. The unit is designed to be simple and principally automatic in operation. The material is cut, positioned, the pressure arm is brought down and heat is applied. During this pressure/heat cycle two end cutters trim the sliver band and the machine is then automatically set for the next splice. Price range is \$3,000 to \$3,500.

The Stanco 8/16 Automatic Cine Splicer is a product of Stanco Manufacturing Co., 5070 Steele St., Denver, Colo. 80216. Formerly known as the Western Cine Splicer, it was first described by John Newell of Western Cine Service, Denver,

Professional Services

Professional Motion Picture Equipment RENTALS * SALES * SERVICE

Phone or write for latest
Rental & Sales Catalogs
Birns & Sawyer Cine Equipment Co., Inc.
6424 Santa Monica Blvd.,
Hollywood, Calif. 90038
(213) HO 4-5166

MUSIC FOR EVERY MOOD

Complete background music library
cleared for RADIO-TV-MOTION PICTURES
Quality recordings by full-sized orchestras
Complete selection of sound-effects records
also available
WRITE FOR CLEARANCE APPLICATION
FORMS AND CATALOGS
THE CAMERA MART, INC.
1845 Broadway, New York 23

CRITERION

FILM LABORATORIES, INC.

Complete laboratory facilities for 16
& 35mm black-and-white and color
33 West 60th St., New York 23, N. Y.
Phone: Columbus 5-2180

ELLIS W. D'ARCY & ASSOCIATES

Consulting and Development Engineers

8mm Magnetic Sound Printers
Motion-Picture Projection
Magnetic Recording and Reproduction
Box 1103, Opden Dunes, Portage, Ind. 46368
Phone: (219) 895-2885

World's Largest Library of SOUND EFFECTS RECORDS

Write for free catalog covering every needed
sound effect—airplanes, autos, animals, birds
crowds, industrial, marine, trains, war, guns
weird—also background and mood music.

FLORMAN & BABB, INC.
68-a West 45 St, New York 36, N. Y.

RENT

SEND FOR
CATALOG

GORDON ENTERPRISES
5362 N Cahuenga, North Hollywood, Calif.

16mm, 35mm, 70mm
Motion Picture Cameras
High Speed Cameras
Special Cameras
Lenses
Lights
Processing Equipment
Editing Equipment

REELS • CANS • FIBER CASES

MOTION PICTURE ENTERPRISES

Tarrytown, N. Y. 10592

N.Y.C. Tel: 212 CI 5-0970

TUFF COAT

Cleans, kills static, lubricates and invisibly coats
and protects all types of film against scratches
and abrasions. SAFE, easy to use. NO carbon
tet. Special type available for magstripe and
video tape. Write for brochure "S"

NICHOLSON PRODUCTS COMPANY
3403 Cahuenga Blvd. Los Angeles 28, Calif.

FOR RENT

Motorized 16mm Editing Tables
with magnetic/optical Moviola
soundhead and Zeiss viewer

M. W. Palmer, 73-40 Vleish Pl.,
Flushing 67, N.Y.

SAVE
25-50%
ON
PRINT
COSTS

Users of Permafilm Protection and
Perma-New Scratch Removal show
savings ranging from 25% to 50%
and more by lengthening the life of
their prints. A money-back test will
convince you.
PERMAFILM INCORPORATED
78 Fifth Ave., N. Y. 3, AL 5-5757-8-9
PERMAFILM INC. OF CALIFORNIA
7264 Melrose Avenue
Hollywood Webster 3-8245

PHOTO ANALYSIS

Motion Picture

Photographic

Services

PHOTO INSTRUMENTATION CORP.
630 Ninth Ave., N.Y. 36, N.Y. (212) PL 7-5730

Special Applications
High Speed
Time Lapse
Underwater
Aerial
Equipment Rental

DAMAGED FILM HOSPITAL

Why Junk Damaged, Scratched, Brittle,
Stained, "Rainy," Worn Film?
"THE FILM DOCTORS" Can Restore It To
Original Screening Quality With Amazing
R & R Treatments:
RAPIDWELD: restores damaged originals of
negatives and prints
RAPIDTREAT: completely protects and pro-
longs the life of new prints
Rapid Film Technique, Inc., 37-02 27 St.,
Long Island City 1, N.Y. STilwell 8-4600

RESEARCH, DESIGN AND DEVELOPMENT OF EQUIPMENT FOR THE PHOTO INDUSTRY

Complete Line of Animation, Filmstrip and
Special Effects Equipment

RICHMARK CAMERA SERVICE, INC.
516 Timpeon Pl. Bronx, N.Y. 10455
LU 5-0730 LU 8-8995

FILM PRODUCTION EQUIP. RENT • LEASE • SERVICE

World's largest source of equipment for pro-
ducing, processing, recording, editing, etc.
S.O.S. PHOTO-CINE-OPTICS, Inc.
New York City: 387 Park Ave. S., 212/MU 9-8180
Hollywood, Calif.: 6331 Hollywood Blvd., 407-2124

SONIC FILM RECORDING

The Complete Motion Picture Service
16/35mm Single or Multi-Channel Dubbing
16/35mm Optical Tracks—24-hr Service
Transfer any 1/4" sync signal
Price List-Location Recording-4 Air-cond.
Studios-Interlock

1230 W. Washington Blvd., Chicago • CH 3-2604

COMPLETE 16MM PRODUCERS SERVICES

send for Brochure
**DAILY PROCESSING OF EKTACHROME
COMMERCIAL & EKTACHROME ER***
Licensed by Eastman Kodak

SOUTHWEST FILM LAB., INC.
3024 Ft. Worth Ave. Dallas 11, Texas FE 1-8347

STANCILO-HOFFMAN CORP.

• **MINITAPE PROFESSIONAL BATTERY**
Operated Portable Recorder, Mono, Stereo,
Synchronous
• **MAGNETIC FILM RECORDERS**, Single and
Multi-Channel, 16, 17 1/2, 35 MM
• **BROADCAST LOGGING** Recorders, Slow
Speed Single Channel to 32 Channels
• **HIGH SPEED TAPE DUPLICATORS** for
Full, Half and Two Track Stereo Duplication
821 N. Highland Ave., Hollywood 38, Calif.

PROJECTION SCREENS

Professional, Seamless, Front & Rear Projection
Consulting service custom sizes for theatres,
TV & MP studios, viewing rooms. Rigid
rear projection for plotting and display.
New "Porta-Pro" portable.

STEWART FILMSCREEN CORP.
Formerly Stewart-Trans-Lux Corp.
1161 W. Sepulveda, Torrance, Calif. 90503
Phone 326-1422 (213)

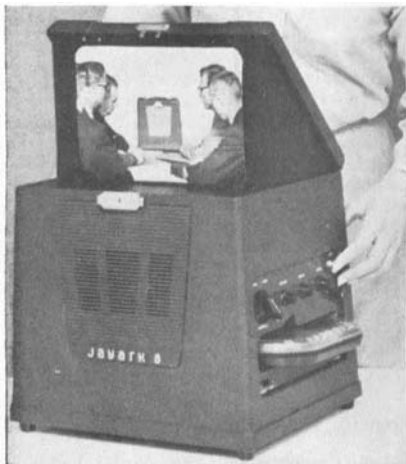
AURICON & K-100 CONVERSIONS

to 400 & 1200 ft.
Filter slot Auricons & Films
Transistor amplifiers, processors, etc.

Write for details
GORDON YODER
Professional Cine Products
4025 Maple Ave., Dallas, Texas 75219

Colo., in a paper presented at the Society's 85th Technical Conference in Miami. Features include automatic emulsion removal, accomplished by means of a motor-driven rotary cutter, and a specially designed heating element to maintain correct platen temperature at the point of the splice. Dual film registration pins are said to permit perfect alignment even with shrunken or stretched film. Centered pins permit the splicing of sound stock with the perforations either toward or away from the operator. The machine is priced at \$239.50. It is also available in 35mm.

A new condenser microphone called the Fairchild F-22 has been announced by Fairchild Recording Equipment Co., 10-40 45th Ave., Long Island City, N.Y. The microphone uses a field-effect transistor and a rugged Mylar diaphragm to eliminate the need for a remote power supply. A self-contained mercury cell power supply is said to give 2,500 hours operation. Back-to-front projection ratio of 20 db is reported. Coupling of the high impedance of the condenser capsule with the very high input impedance of the field-effect transistors is said to obtain the good signal-to-noise ratio. The microphone is priced at \$219.



An 8mm sound rear-screen cartridge-load projector called the Jayark-8 has been introduced by the Jayark Instruments Corp., 733 Third Ave., New York, N.Y. 10017. The projector, which plays from 2 to 26 min of sound film, rewinds automatically as it plays. The 16-lb unit includes an 11½-in., built-in, nonreflecting rear screen; a transistorized amplifier (3 w); an f/1.4 coated lens (7.5mm) and a 115-v, 150-w prefocused lamp. Projector speed is 24 frames/sec. Dimensions are 12½ in. by 13½ in. by 13 in. The machine is priced at about \$300.

An 8mm sound motion picture projector has been introduced by Eumig, Vienna, Austria, through the firm's sole U.S. importers, H. A. Bohm & Co., 3525 W. Peterson Ave., Chicago, Ill. 60645. Designated the Eumig Mark S, the projector provides an integrated sound recording-playback system. Simultaneous narration and background music can be added and synchronized on the film by means of a built-in sound mixer and modulator. Separate inputs which may be used separately or individually are provided for microphone and phonograph, tape recorder

90% of all Japanese ITV cameras use COSMICAR lenses.

COSMICAR
INDUSTRIAL TV LENSES

For your vidicon, image orthicon and professional movie cameras, Cosmocar lenses are available in focal lengths from 12.5mm up to 1000mm.

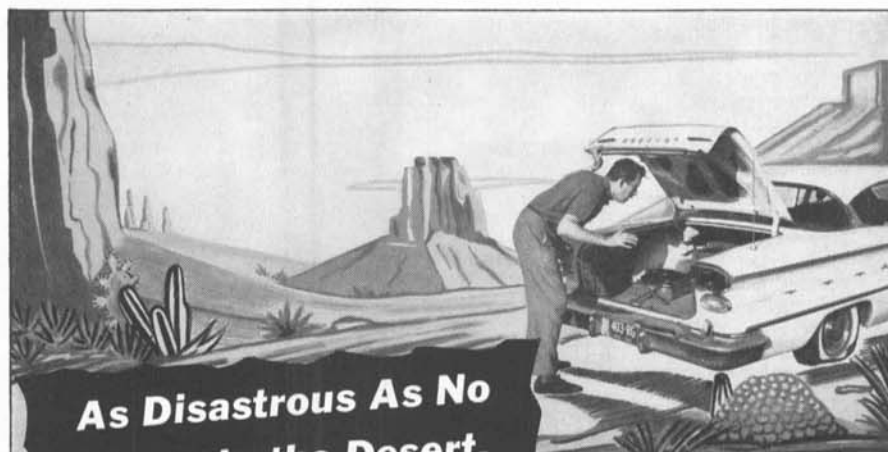
New zoom lenses are now available.



ICHIZUKA OPTICAL CO., LTD.

2-568, SHIMOOCHIAI, SHINJUKU-KU, TOKYO

CABLE ADDRESS: "MOVIEKINO TOKYO"



**As Disastrous As No
Spare in the Desert,
Is No Spare in the Booth**

*For want of an extra mirror,
business can be lost by shut-
down.*

Always have a spare **TUFCOLD**
FIRST SURFACE COLD
DICHROIC REFLECTOR

Better yet, also replace your old reflectors now with these modern, long-service reflectors with the harder than glass, flake and peel-proof front coating.

THE COATING IS GUARANTEED FOR 2 YEARS!

The Strong Electric Corporation

79 CITY PARK AVENUE • TOLEDO, OHIO 43601 • PHONE: (419) 248-3741

SQUEEZE



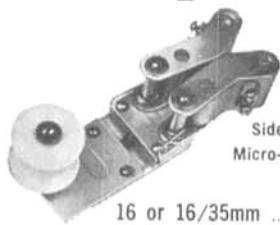
THE
LAST
TRACE



OF MOISTURE
OUT OF EVERY INCH OF FILM

- "Venturi" design allows extra-critical gap adjustments to be made even while squeegee is in use.
- Precision ground orifice with adjustment locks.
- Torsion spring lobe control for easy passing of splices.
- Positive centering device for lobes.
- Lobes can be removed for cleaning and accurately reset to prior position.
- Photographic grade 18-8 stainless steel construction.
- Universal mounting bracket.

FILMLINE Micro-Squeegee*



Side View of
Micro-Squeegee

16 or 16/35mm\$150

*Pat. Pending 70mm\$175



Micro-Squeegee — The World's Finest
Squeegee Device — Naturally, from Filmline

VISIT US AT BOOTH 306—NAB SHOW
WASHINGTON, D.C. MARCH 21-26

or radio. The unit includes a built-in potentiometer to provide automatic volume control and an automatic noise suppression device. The projection system features an exclusive 12-v, 100-w quartz-iodine lamp and a Euprovar zoom lens with focal distances ranging from 13mm to 25mm. The reel capacity is 400 ft and the unit can operate on any power source from 100-v to 25-v, 50- or 60-cycle. In its carrying case the unit measures 12½ in. wide, 5¾ in. deep, 8¼ in. high and weighs 20 lb. The price, including the microphone, is \$299.50.

Development of a television camera for military field use that can automatically view scenes in light ranging from daylight to starlight has been announced by the Radio Corp. of America. The system, developed by RCA's Aerospace Systems Div., Burlington, Mass., has been designed with all solid state components and employs a new intensifier vidicon pickup instead of the image orthicon usually employed in low-light-level television applications. The intensifier vidicon camera's sensitivity can be even further increased, if required, by added intensifier stages.



A 95-lb Videotape television recorder, the VR-303 and a mobile closed-circuit video recording system called the Ampex Videotrainer have been introduced by Ampex Corp., 401 Broadway, Redwood City, Calif. The VR-303 records live action and sound or television programs on magnetic tape for immediate playback through conventional television receivers. It is designed for operation by nontechnical personnel with minimal instruction and is priced at \$3,950. The Videotrainer combines the VR-303 recorder, an Ampex television camera, television receiver, tripod and microphone in a complete mobile closed-circuit recording system "the size of a tea cart," the announcement states. The system is priced at \$6,000 to \$7,000 depending on the choice of a camera.

The VR-303 records up to 50 minutes of program material on a 12½-in. reel of video tape. The tape moves past fixed recording and playback heads at a speed of 100 in./sec. Sound is recorded simultaneously on the tape. It operates on ordinary household current and is available in both 60-cycle and 50-cycle versions.



employment service

.....
These notices are published for the service of the membership and the field. They are inserted three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Sound Recording Technician: Expd. studio and location recording, film and tape. Two years on 16mm Auricon news team, Europe. Lt. exp. as mot-pic cameraman on Eymo, Filmo, Auricon, and Wall cameras. Some still photography. Willing to relocate, U.S. or Europe. Mil. service just completed, age 25, single, seeking career opportunity. Résumé on request. Gerald Kornbluth, 3319 Kings Hwy., Brooklyn, N.Y. 11234.

Motion Picture Film Editor, Production Asst. 3½ yrs. courses in film production, editing, and photography; 8 yrs. experience as a motion-picture lab. developer with U.S. Army Pictorial Center. Can supply references and résumé on request. Write: Alfred S. Coleman Jr., 167-30 109 Ave., Jamaica, N.Y. 11433.

Cinematography Student—seeks apprenticeship and challenging work. Some editing experience. Attended film courses in college and also studied film independently. Has also had limited experience with Arriflex and Auricon cameras; Ampex and Nagra tape recorders; and Magnasync systems. Age 26, single, ambitious, reliable, hard working. At age 16 started own manufacturing business with 3 employees. While in college wrote for newspaper and was stage manager for Shakespearean drama. Skillful with hands. Active and creative imagination. Salary not important. Willing to travel or relocate. Leonard Kirtman, 1467 49 St., Brooklyn, N. Y. 11219.

Positions Available

Optical/Photographic Lab Assistant to help engineers in the development, running and repair of film handling machines. Related experience in the professional motion-picture field helpful. Interesting assignments on advanced development work. Excellent salary and benefit program. Apply in person at Personnel Office or submit resume to James Rosecrans, Director of Personnel, CBS Laboratories, Div. of Columbia Broadcasting System, Inc., 227 High Ridge Rd., Stamford, Conn.

Laboratory Quality Control Manager. Experience in color sensitometry essential. Take charge of printing, processing and chemical analysis departments. We are presently printing and processing 35mm & 16mm color negative-positive, B&W and reversal films. Excellent salary and bonus, plus room for growth for a man who can control the process. Douglas Film Industries, 10 West Kinzie St., Chicago, Ill. 60610 (312) MO 4-7455.

Production and Laboratory Personnel. Applications are desired from qualified personnel with motion picture production and laboratory experience. Positions include cameramen, writers, directors, editors, soundmen, animators, laboratory processing, printing, and quality control technicians. Excellent career opportunities and challenging assignments. Send complete resume, including salary history, in confidence to Jamieson Film Company, 3825 Bryan St., Dallas, Texas, 75204.