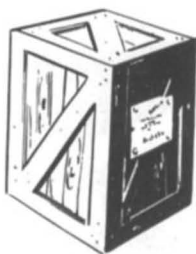


new products (and developments)



43 St., New York 36, is reported the first all-electronic control board for stage and television lighting control, and is manufactured solely by Century. The two main elements of the C-I Board are the control console with attached preset panel and the tube bank. A unique feature of the system is the automatic, motorized, variable-speed fader. These are described in an illustrated brochure available from Century. Also



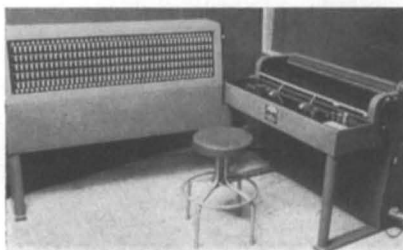
from Century Lighting is the new C-lector, a remote control, preset switching system. The C-lector permits the operator to select any one of ten or more pre-selected lighting setups for from one to more than a hundred lights.

Membership Certificates (Active and Associate members only). Attractive hand-engrossed certificates, suitable for framing for display in offices or homes, may be obtained by writing to Society headquarters, at 55 West 42d St., New York 36, Price: \$2.50.



A 16mm CinemaScope lens that will adapt to all standard 16mm projectors, and listing at \$124.50 with an adapter, has been announced by the Bausch & Lomb Optical Co., Rochester, N.Y. At present it is available in 2-in. focal length. When used at the same throw distance as a regular lens, the B&L CinemaScope lens will produce an image twice as wide. The lens requires no brackets or supports, is 6 1/4 in. long and weighs 7 3/4 oz.

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.



The Century-Izenour, or C-I board, put out by Century Lighting, Inc., 521 W.

SMPTE now has available 35mm and 16mm color television test films and slides designed for TV station use under specifications set up by the SMPTE Television Committee—representing the quality of color material obtainable from Ansco, Technicolor and Eastman prints.

- The picture-only films have three sections of five scenes each.
- Gray scale at start of first scene can be used in set-up or for adjusting signal generating equipment so that the chrominance subcarrier vanishes with given set-up.
- Same high quality picture material in both films and slides.
- Slides include one black-and-white chart of the alignment and resolution target used in standard television test films.
- All scenes illuminated for shooting with a lighting ratio of approximately 2:1; i.e. key light was twice fill light, measured in foot candles.

35mm Color TV Test Film—approx. 700 ft.

16mm Color TV Test Film—approx. 280 ft.

Set of 10 2 X 2 in. Slides

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

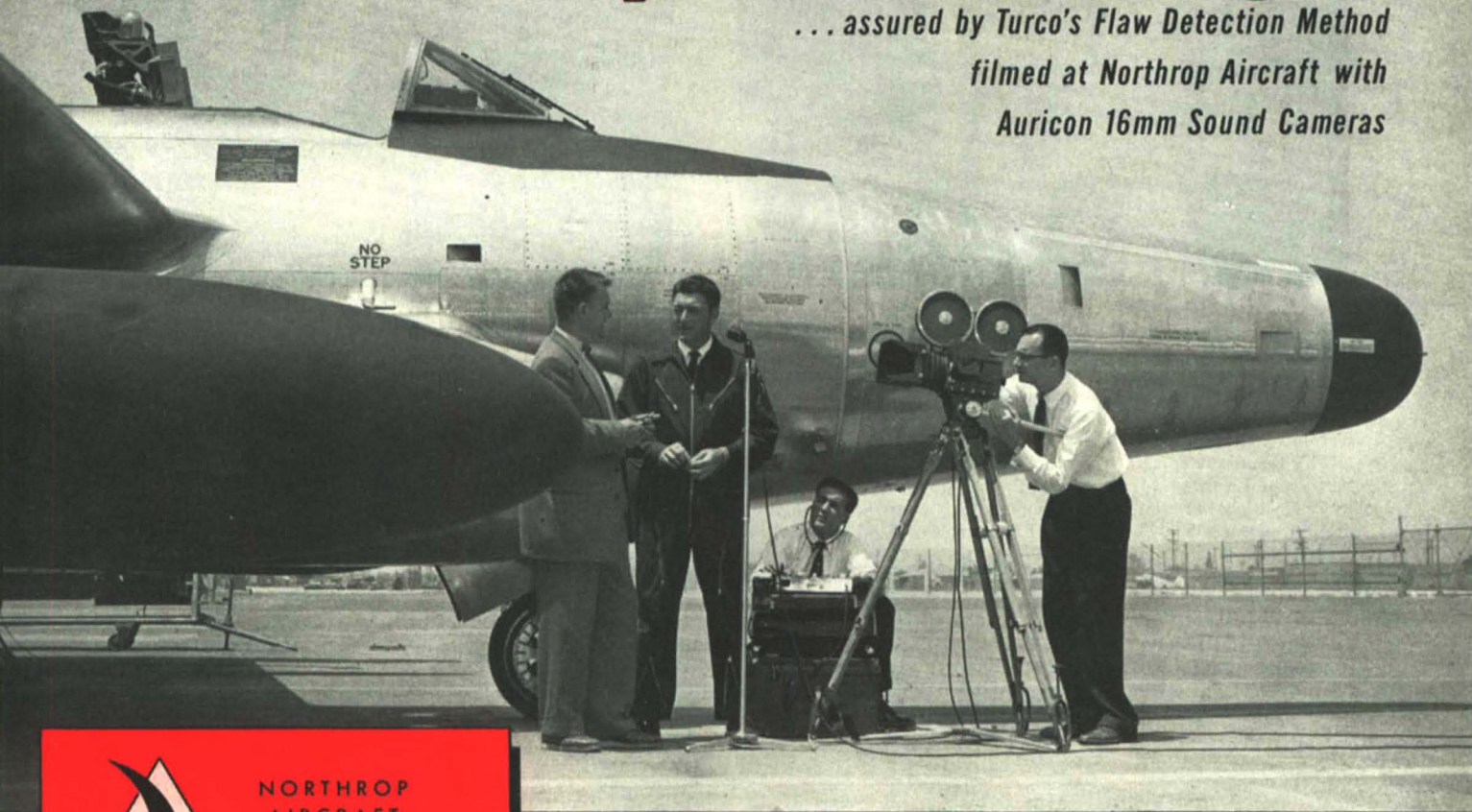
55 West 42nd Street, New York 36

Tel: LOngacre 5-0179

COLOR TEST FILMS AND SLIDES FOR TELEVISION STATIONS

Safety...10 miles high!

... assured by Turco's Flaw Detection Method
 filmed at Northrop Aircraft with
 Auricon 16mm Sound Cameras



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 AIRCRAFT

Auricon
 Hollywood

AURICON

TURCO
 Products

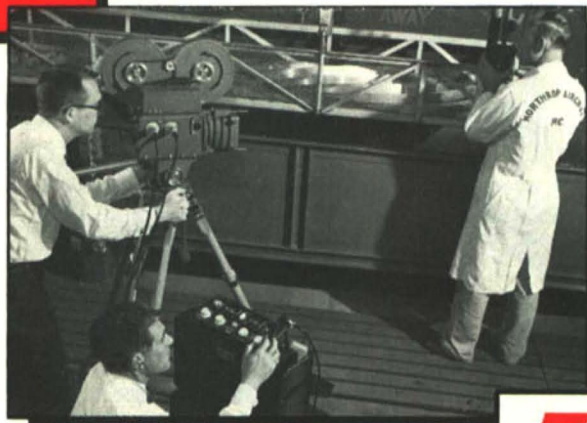


← Cralen Enterprises, Inc., filming William Cox of Northrop Public Relations, as he interviews Robert Love, jet ace, after test flight in Northrop F-89 all-weather interceptor.

The full story of flaw detection in metals with Turco "Dy-Chek" Dye Penetrant is the subject of a new Training Movie in sound and color, filmed at Northrop Aircraft with Auricon 16mm Sound-On-Film Cameras.

The film shows how "Quality-Control" checks metal parts for the Northrop F-89 all-weather jet interceptor right on the production line, with Turco's "Dy-Chek" inspection process!

Turco's new Training Movie on "Dy-Chek" Flaw-Inspection Process, is shown during filming at Northrop Aircraft, with Craig Curtis (at camera) and Lennie Blondheim, both of Cralen Enterprises, Inc., Hollywood, California.



This film is another example of how Training Movies and Industrial Motion Pictures can be produced with precision and fidelity using Auricon 16mm Sound Cameras. Professional Auricon Built-in Features, include Self-blipping Camera design, Synchronous Motor Drive, Auricon-Electromatic Take-up, etc. Many producers and cameramen have named Auricon... "the finest 16mm Sound Camera ever built!"

Auricon Cameras are sold with a 30-day money-back guarantee. You must be satisfied! Write for free illustrated Auricon catalog.



TRIPOD
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PORTABLE POWER UNIT
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CINE-VOICE
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AURICON PRO-600
 \$1497.00



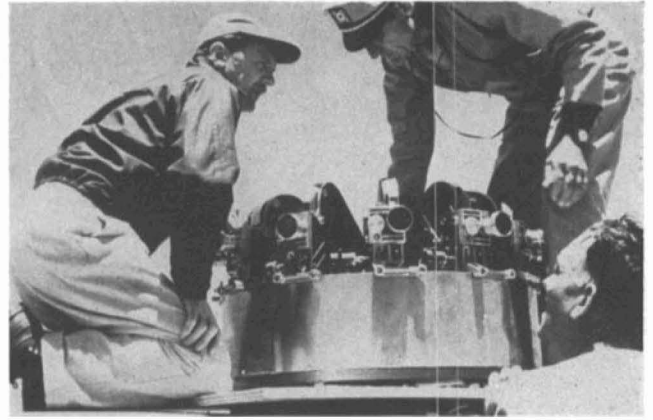
SUPER 1200
 \$4652.15



SOUND RECORDER
 \$3359.00

Auricon
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 6946 Romaine Street, Hollywood 38, California

MANUFACTURERS OF SOUND-ON-FILM
 RECORDING EQUIPMENT SINCE 1931



Circarama, an unusual motion-picture technique that projects a picture on a circular, overhead screen was introduced this past July by the American Motors Corp. as a part of the Tomorrowland section of Disneyland (left).

This technique consists of a synchronized battery of Eastman 16mm Model 25 projectors which simultaneously focus color motion pictures on 11 individual screens arranged in a complete circle. Figure at right shows the series of cameras coordinated to shoot the film.

Spectators stand in the middle of a specially built theater viewing the continuous action on a screen 8 ft high and 40 ft in diameter, as a series of images moves consecutively across the 11 screens. This film process constitutes the first known

application of sound motion pictures to the circular screen.

Circarama recalls to mind descriptions of Grimon-Sanson's invention displayed at the Paris Exposition of 1900 — Cineorama. This is also referred to as the "French balloon theater" because it gave the viewers the illusion of rising into the air in a large air-filled balloon. Sanson used 10 synchronized cameras and projectors on a screen 30 ft in height. He completely surrounded the spectators with a single scene projected in color.

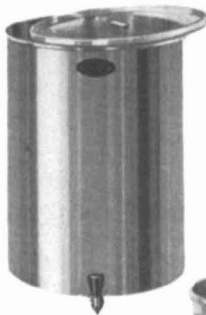
The research was a combined effort by technicians of the Eastman Kodak Co., the Disney Studios, and the Ralke Co. in engineering the camera and projection devices for Circarama. The decision to use eleven cameras was made because that

number kept screen curvature down to a minimum, thus doing the best job of eliminating distortion. Also, an odd number of cameras was necessary because of the arrangement of projectors which are set up behind the screens and project between panels to the screen directly opposite.

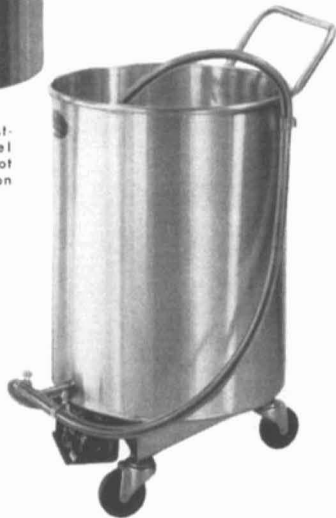
Beckman & Whitley, Inc., research camera manufacturers of San Carlos, Calif., have organized a new department to make high-speed photographic services available to the research fields. The new facility is for use in the analysis of application problems, for custom projects, and for evaluating projected installations where there is not sufficient work to warrant owning full-time

Chemicals, too, can be handled economically, efficiently... in Fisher units

Compare the route of one batch of your present photo chemicals to the operating ease provided by Fisher jet mixer. Vortex-free, pump-mixing on the spot. Transport 15, 20 or 25 gallons in "316" stainless steel mobile tank to processors, pump liquid out or in without lifting or spilling in a fraction of time and labor of clumsy out-moded methods. "316" stainless steel sinks, tanks, silver recovery units and equipment for all photo lab specifications are described in detail in Fisher catalogs. Send for yours now. Advanced Fisher engineered development is founded on years of job-testing for the most direct, technical, method requirements of our industry.

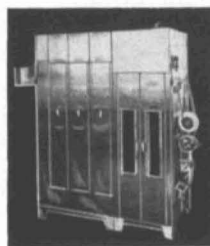
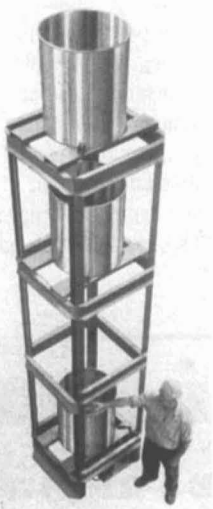


Full line of corrosion resistant "316" stainless steel tanks with leak-proof spigot in 10, 15, 20, 25, 50 gallon capacities.



Jet Mixer... showing foot switch, 1/15h.p. motor and 3-way valve. Supplied with plastic lines and hard rubber wheels. Sturdy stainless steel dolly frame for extra strength.

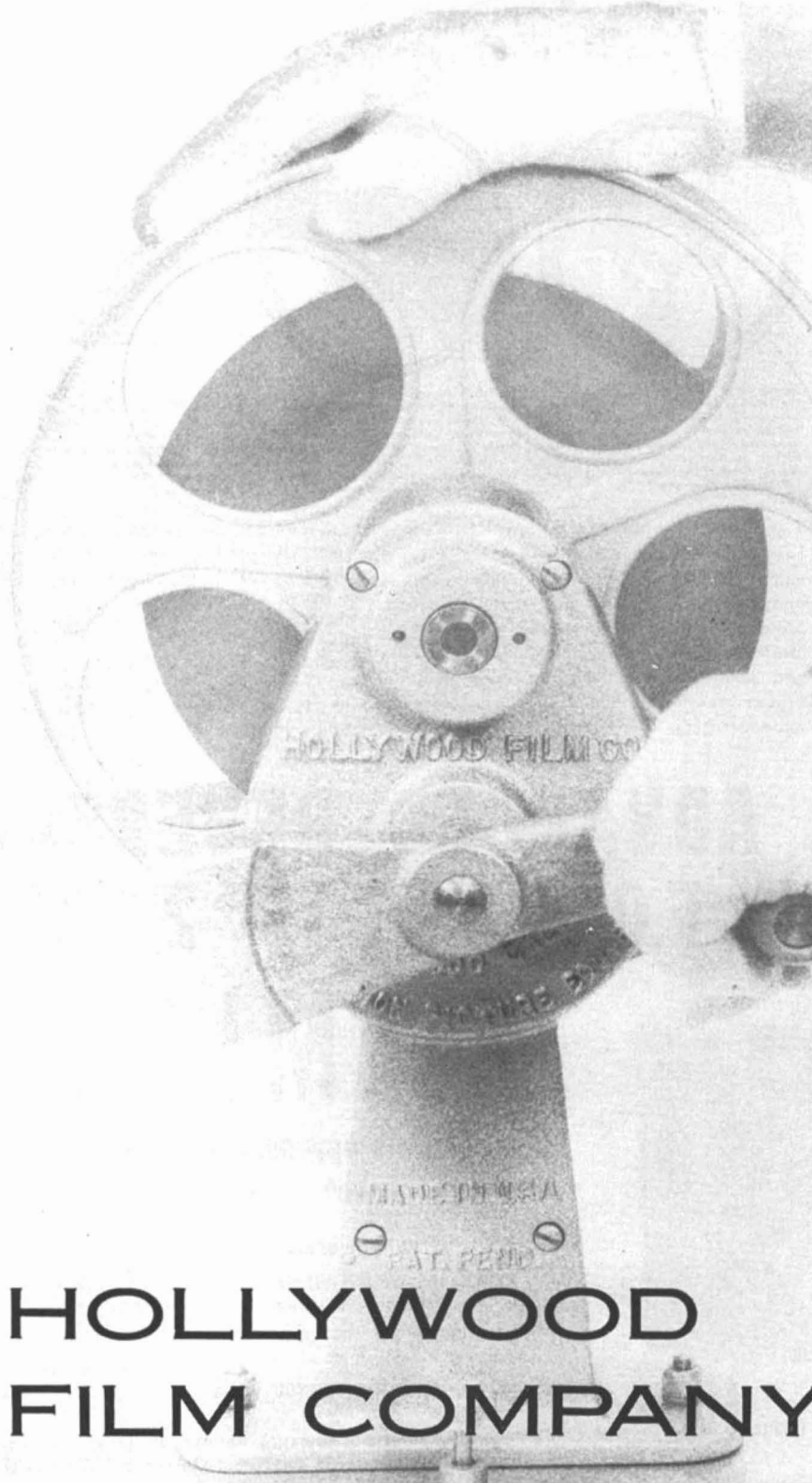
Chemical mixing tower affords pump mixing. Feeder tanks in vertical series saves lab space.



"All-Film"... New 16mm, 35mm, 70mm processor replaces huge, expensive operations.

Developing, fixing baths are Jet Sprayed... plus famous Fisher No Heat Drying! Top quality all stainless steel, continuous processing at 50 feet a minute. Unconditionally guaranteed.

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FILM COMPANY**

precision film editing equipment

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HOLLYWOOD 38, CALIF.

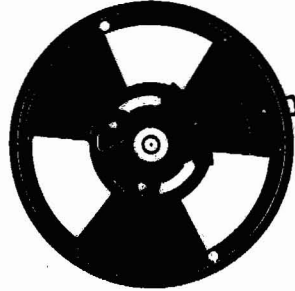
camera facilities. A full staff of technicians is available to set up experiments if this is required. Services offered include photographic studies of detonation, electrical discharge, exploded-wire experiments, shock-wave phenomena, and photo-elastic manifestations of dynamic stresses in structures. These can be made at framing rates as high as 1,200,000 per second and under conditions of either reflected light or schlieren illumination.

A pocket-sized directory of film industry services in New York City, such as laboratories, film editors, sound stages, etc., is being compiled, and will soon be made available at no charge, by Circle Film Laboratories, Inc., 33 W. 60 St., New York 23. The data are being compiled from the returns received on a mailing of 2,200 questionnaires. The directory is for distribution among advertising agencies, industrial firms, film producers, program distributors and television stations. There is no charge for either the directory or a listing therein, and no advertising has been included.

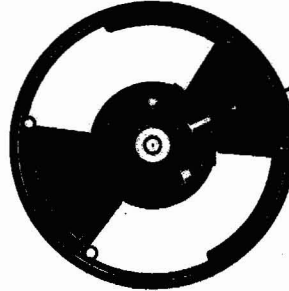
The RCA-200 is a new projector designed to replace the RCA-100 for both indoor and drive-in-theater use. Water-cooled aperture-unit mechanisms are available for increased illumination without undue heat, and other features include: main and reverse shutters housed together in a single rear casing, but with the reverse shutter independently driven; 4-in. lens mount; sealed ball bearings; simplified film-threading; and automatic loop-setting pad rollers.

Photographic Production of Slides and Film Strips is the title of a new Kodak data book outlining the steps in the production of a filmstrip or slide series from photographs and flat copy. The procedures explained are for low-cost presentations, in small quantities, made with ordinary photographic equipment. There are de-

tailed descriptions of the techniques in making master prints, photographing flat copy, making black-and-white positives, preparing color transparencies and addition of titles. Copies of this book are available through all Kodak dealers, at 50 cents each.



Switch on at silent speed
The Super-40 Shutter automatically presents three shutter blades. With three light interruptions per shutter revolution . . . and 16 frames-per-second operating speed . . . the Pageant develops 48 light interruptions per second. Comfortable, flicker-free projection with standard illumination.



Switch to sound speed
The Super-40 Shutter shifts automatically to two blades, and screen illumination is increased by more than 40%! Yet at 24 frames-per-second sound speed, there are still 48 light interruptions per second . . . and your movies, though amazingly brilliant, are still comfortably free from flicker.

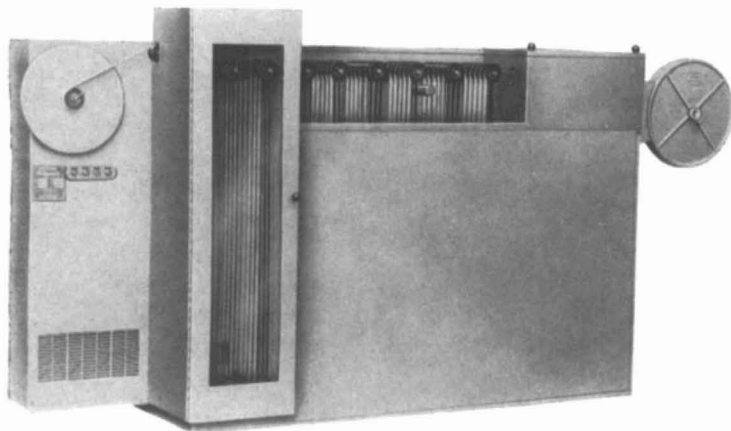


Or lock in 3-bladed position
For those occasions when you don't need the extra brilliance of a two-bladed shutter — projection in very small rooms, for example — a special latch lets you lock the shutter for standard illumination. And when you wish to return to automatic control, just release the locking lever.

The Super-40 Shutter is a new Eastman Kodak device designed for 16mm Kodascope Pageant Projectors. It shifts automatically between two- and three-bladed positions, and gives increased screen illumination without flicker for both sound and silent motion pictures. The new shutter meets the demands of projector manufacturers for additional projector

illumination needed to make possible larger screen sizes used in modern 16mm projection. Three Pageant audio-visual models are now equipped with the Super-40 Shutter: AV-073 (7-w, 8-in. speaker, single case), \$425; AV-153 (15-w, 12-in. speaker, 2 cases), \$530; AV-153-S (15-w, 8-in., single case), \$455. All projectors are sold through Eastman Kodak audio-visual dealers.

NOW! MOST ADVANCED REVERSAL ON MARKET FOR ONLY \$2495!



FILMLINE

MODEL R15 REVERSAL FILM PROCESSOR

NEW DESIGN CONCEPT! Units removable for cleaning. Eliminates maintenance.

NEW SIMPLICITY OF OPERATION!

NEW EXCLUSIVE OVERDRIVE! Eliminates film breakage, slack buildup, automatically compensates for film elongation.

NEW COMPLETE DAYLIGHT OPERATION! No darkroom. Removable daylight magazine.

NEW QUALITY THROUGHOUT! Heavy gauge stainless steel tanks. Filtered air intake.

AMAZING NEW PERFORMANCE PROVED BY ACTUAL OPERATION IN HUNDREDS OF CUSTOM FILMLINE INSTALLATIONS

Filmline leads the field in engineering and manufacturing standard and custom 16- 35- 70MM b & w and color film processing machines of all types.

Distributed in New York City by Camera Equipment Co., 1600 Broadway, New York, N.Y.

- Processes reversal films at 900 ft. per hour
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- SIZE: 76" x 48" x 24"
- WEIGHT: 450 lbs crated
- PRICE: \$2495 F.O.B. Milford, Conn. Accessories additional

Write today for full details and literature

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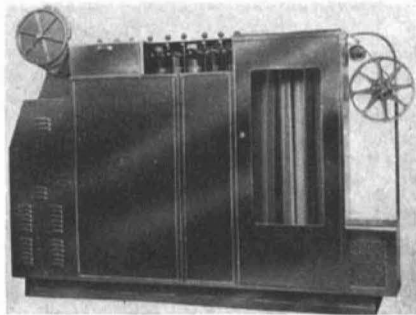
ERNA STREET, MILFORD, CONN.



A new wow and flutter meter, expressly designed to meet IRE, SMPTE, ASA standards on sound recording and reproducing methods for determining flutter content is now available from Donner Scientific Co., 2829 Seventh St., Berkeley 10, Calif. For use in engineering laboratories, broadcast stations, motion-picture studios and theaters, and service shops, applications include measurement of both high- and low-frequency variations with mechanical, optical or magnetic recording and reproducing equipment. Specifications are: accuracy of flutter readings, $\pm 5\%$; input impedance, 500,000 ohms; test signal frequency, 3000 cycles/sec $\pm 5\%$; minimum average input signal level, 0.1 v rms; dynamic limiter range, approx. 40 db; sensitivity, linear scales on 4-in. square meter for full scale indications of 3.0%, 1.0% and 0.3%; response rates, 0.5 to 10 cycles/sec (wow), 10 to 300 cycles/sec (flutter), 0.5 to 300 cycles/sec (overall);

dimensions 7 $\frac{3}{4}$ in. high by 10 $\frac{3}{4}$ in. wide and 8 $\frac{1}{4}$ in. deep; weight, 15 lb.

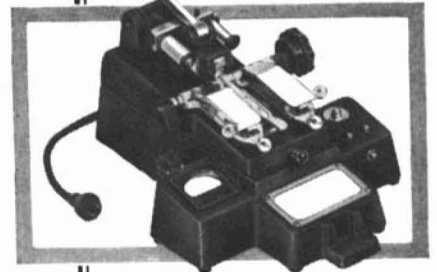
Labmaster, a simplified motion-picture film processor of 16mm film, has been introduced by Houston Fearless Div., Color Corp. of America, 11803 W. Olympic Blvd., Los Angeles 64. The Labmaster is daylight operating, and it features an "in-line" design which permits installation against a wall. Film is transported by a friction clutch drive and speed of operation is variable from 10 to 35 ft/min, depending on type of film, energy and temperature of solutions. Developer and fixer tanks have temperature control, and recirculation is provided for the developer. All tanks are equipped with bottom drains. Other features include an improved air squeegee, built-in air compressor, spray combination wash, infrared strip heaters in dry box, and filtered forced air dry box with exhaust duct outlet.



Now available for splicing all kinds of film including

Cronar (Polyester Base), Cinema-scope etc., neg or print and Magnetic film or track.

- ★ NO CEMENT
 - ★ NO LOST PICTURE
 - ★ NO SCRAPING
- In 10 Seconds!



Check these advantages:

- A film fusion (butt-weld), end-to-end, No Double Thickness.
- No drying, no overlap
- No lights required

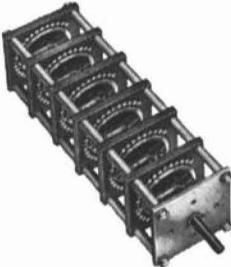
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1/4 MYLAR & ACETATE TAPES
without cement or adhesives



- Diagonal cut capable of withstanding 3 pound pull
- Inaudible with playback amplifier gain at maximum

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