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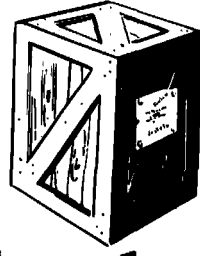
All lenses available in C, Cine-Special, Arriflex, Eyemo, Cameraflex or Barrel mounts.

	16 mm	35 mm	40mm f/2	50mm f/2	75mm f/2	100mm f/2	130mm f/2.5	210mm f/2.8	300mm f/3.5	500mm f/5.6
5.7mm f/1.8	\$499			\$179	\$199					
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20mm f/1.9	\$169			\$299	\$299					
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new products

(and developments)

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 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.

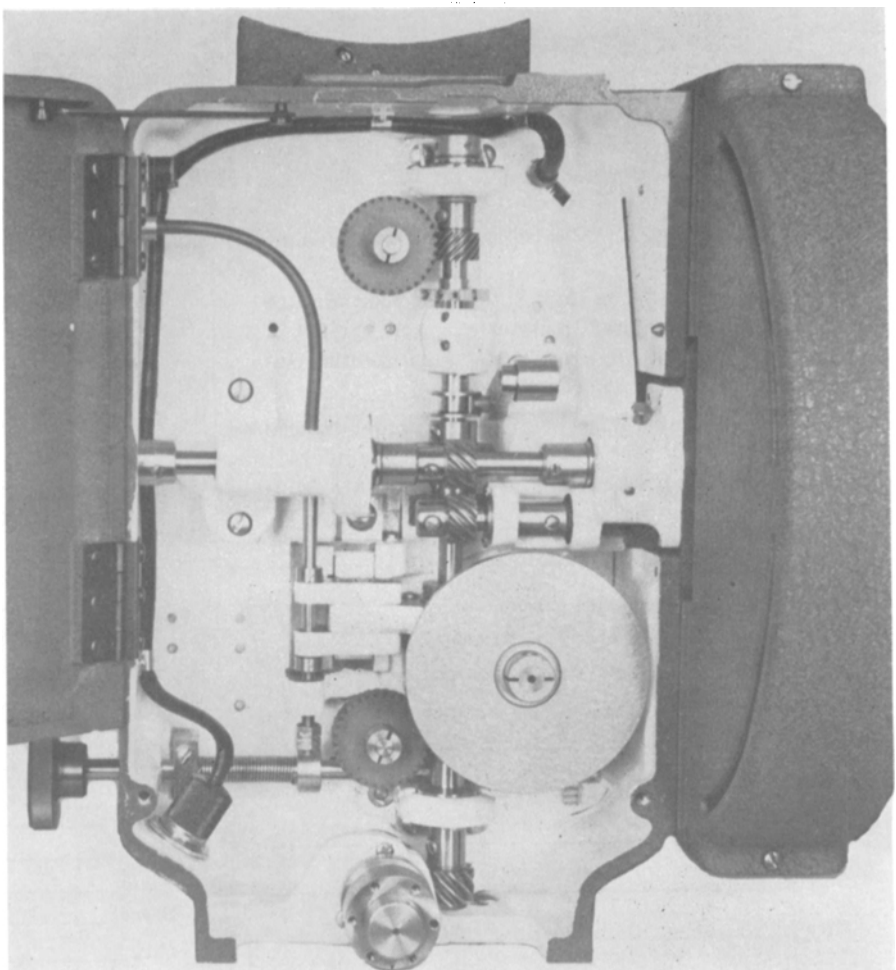
A new line of projectors to succeed its C and CG Models has been announced by Century Projector Corp., 729 Seventh Ave., New York 19. The new Models H (single shutter) and HH (double shutter) are designed to incorporate all applicable new developments into a modern standard 35mm projector. In announcing the new line the company affirmed its faith in the future of the motion-picture industry and 35mm film which, the announcement stated, "is now and will continue to be a world standard for many, many years to come." The company has designed projection equipment for Cinerama, Paramount Horizontal VistaVision and Cinemiracle,

A. F. Victor, Alexander F. Victor Enterprises, Box 266, Carmel-by-the-Sea, Calif., announced in a recent letter to SMPTE Headquarters that he has applied for patents on a device which will permit telecasting of 16mm motion pictures that had originally been taken at 16 frames/sec. Although the device is not yet available, Mr. Victor urges owners of old 16mm pictures which may be of interest for TV to save their films.

Westrex Corp. and Litton Industries, Inc., have announced jointly the completion of preliminary negotiations for the purchase of Westrex by Litton, with patent license agreement and continuation of Westrex' present Employee Benefit Plan to be worked out by a projected closing date of August 15. Litton specializes in manufacture of computers, data processing and navigation equipment, microwave tubes and electronic components.

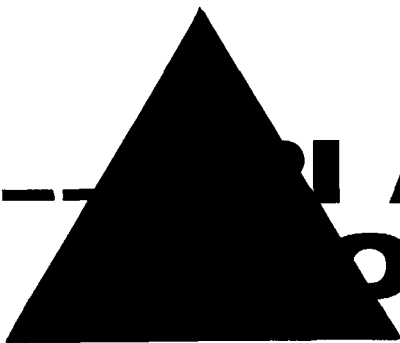
and the yet to be announced 20th Century-Fox 55-35mm projector.

Among the innovations included in the new projectors are larger, heavier starwheels and cams in the intermittent movements, plus new more accurate mounting for the more easily changeable intermittent sprocket. New lens mounts provide for higher speed projection lenses yet to be developed. Curved film traps and film gates with "air flow" air cooling have been designed for better control over the film. Water cooled film traps are optional — available for installations with larger arc lamps necessitating more attention to excessive heat.



Need We Say More!

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**"BLOW-UPS" FROM 16MM
KODACHROME TO 35MM
EASTMAN COLOR NEGATIVE**



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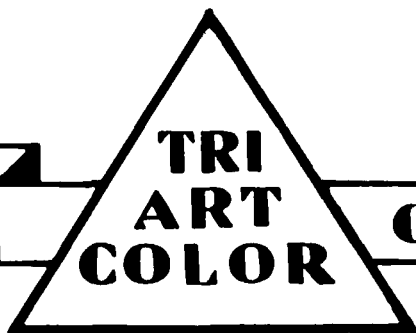
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All from the Laboratory responsible for
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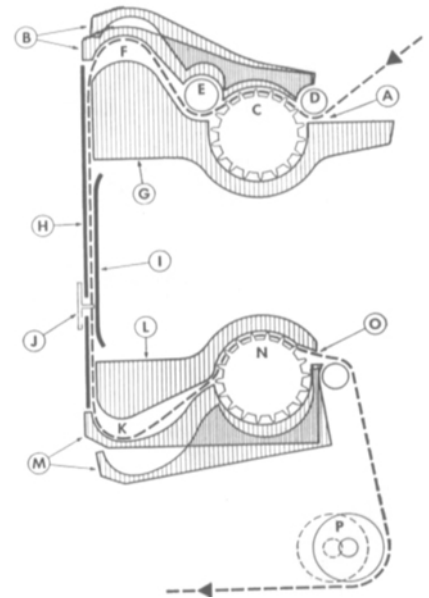
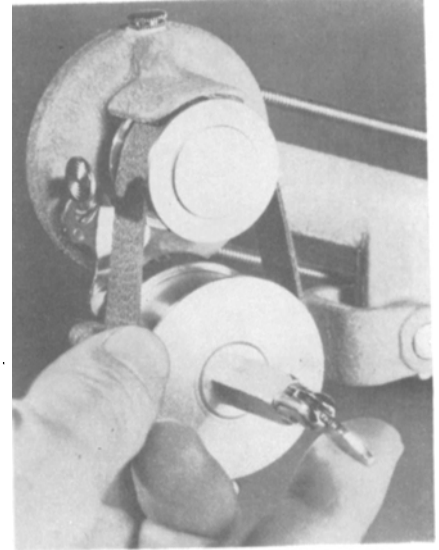
(a subsidiary of Du Art Film Labs., Inc.)

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IN CANADA: ASSOCIATED SCREEN INDUSTRIES, Ltd. • 2000 Northcliff Avenue, Montreal, Canada

A new high-fidelity, 16mm sound motion-picture projector was demonstrated by the Harwald Co., 1245 Chicago Ave., Evanston, Ill., at the Open House and Audio-Visual Workshop held at the firm's new plant, February 13-15, 1958. A specially designed 50-w amplifier was demonstrated with the projector. The projector, now available on special order, has standard Harwald Movie-Mite mechanism in the film transport. One feature of the electronic design is the use of a blue-sensitive vacuum phototube. The projector can be fitted with a synchronous motor for use as a film phonograph.

A new Filmosound 16mm motion-picture projector has been announced by Bell & Howell, 7100 McCormick Rd., Chicago 45. The new Model 385 has a rewind safety interlock built into the newly designed take-up reel arm to prevent a common cause of film breakage. The arm has a spindle which automatically disengages the rewind gear upon removal of the reel. Factory-sealed lubrication is provided. The amplifier is 15-w and a voltage regulator keeps voltage to the photocell constant. Reserve gain is provided to compensate for variation in soundtracks and to assure sufficient sound volume in low-voltage areas. Prices remain the same as for the comparable previous models.



The Bell & Howell Auto Load 8mm movie projector is designed on the principle of supplying guiding surfaces which the film's compliance prompts it to follow. Following the dotted line in the diagram, the film is inserted at (A) after the two interlocked loop formers (B) and (M) have been closed. The teeth of sprocket (C) take the film and push it through channel (F) formed by the upper loop former (B), rollers (D) and (E), stationary guide (G), aperture plate (H) and pressure plate (I), until the shuttle tooth (J) enters the film perforations. The film is then pushed by the shuttle tooth into the lower channel (K) formed by the stationary film guide (L) and the movable lower loop former (M) until it is taken by the teeth of the lower sprocket (N) which carries the film out at (O).

The projectionist takes the film over the film roller (P) to the take-up reel. The two movable film guides (B) and (M) and roller (P) are linked inside the projector to allow the film guides to open automatically when the film gets the first tension from the take-up reel. Film can be attached to the take-up reel without stopping the projector. If the projectionist forgets to close the loop formers when starting threading, roller (E) stops the film at that point.

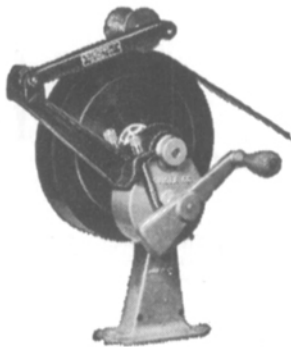


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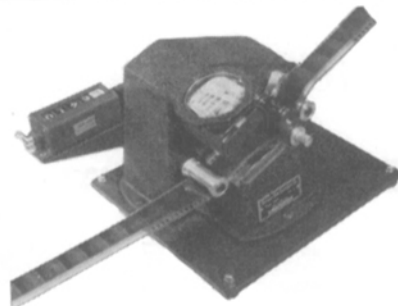
- See your picture crystal clear on a new bright Moviscop
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CAMART TIGHTWIND ADAPTER

- Eliminates cinching or abrasions
- Winds film—, no holding
- Fitted to any 16 or 35mm rewinds.

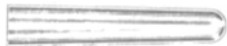
Only tightwind operating on ball bearing roller. \$29.00



A. C. E. ROTARY VIEWER

Permits viewing of film between rewinds forward or backward—at rewind speed. Designed especially to facilitate viewing original negatives without scratching. Ideal for editors, lab workers, etc. Rotary Viewer \$159.50
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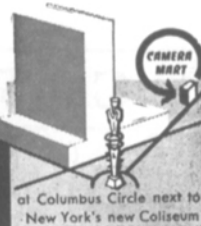
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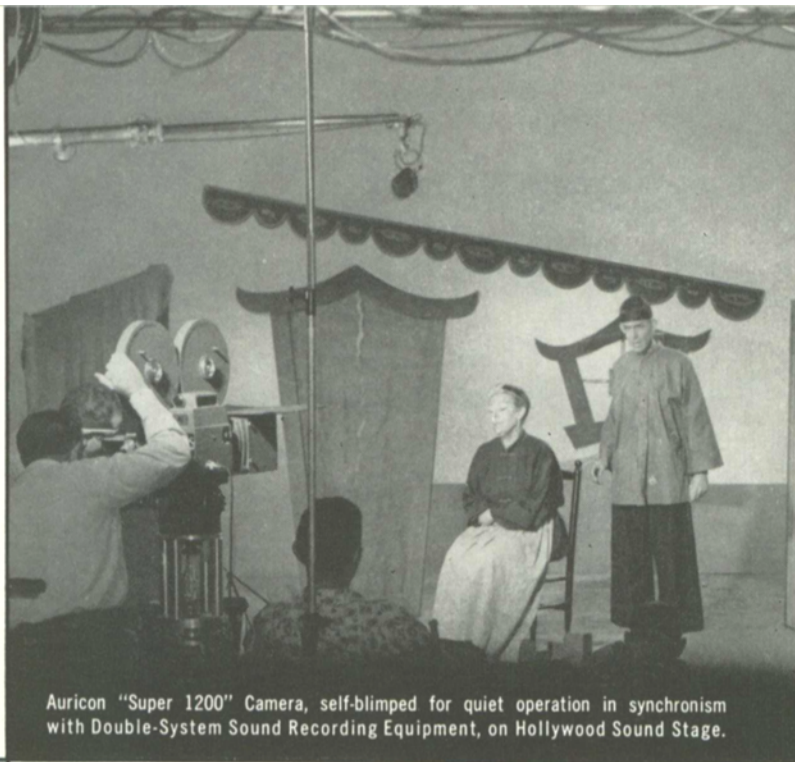
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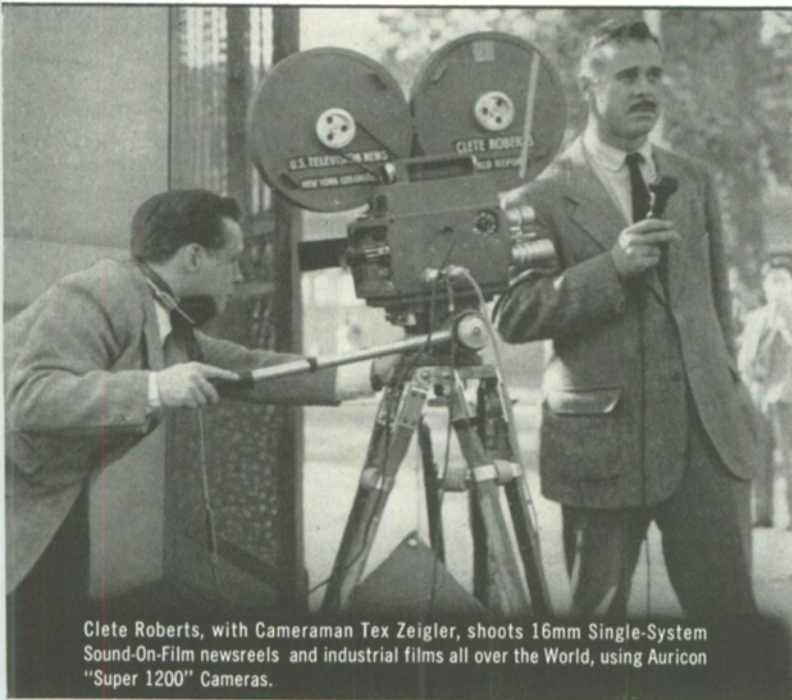
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for the

QUIET

of the
Hollywood Sound Stage...



Auricon "Super 1200" Camera, self-blinded for quiet operation in synchronism with Double-System Sound Recording Equipment, on Hollywood Sound Stage.



Clete Roberts, with Cameraman Tex Zeigler, shoots 16mm Single-System Sound-On-Film newsreels and industrial films all over the World, using Auricon "Super 1200" Cameras.

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Clete Roberts, World Reporter and famous CBS-Television News Commentator, films international events with Auricon "Super 1200" 16mm Sound-On-Film Cameras. His "World Report," by Clete Roberts Productions, Inc., Beverly Hills, California has brought television viewers millions of feet of film, made under the most rugged shooting conditions in the World's trouble spots, from Cuzco to Hungary, and back to Streetcorner, U.S.A.!

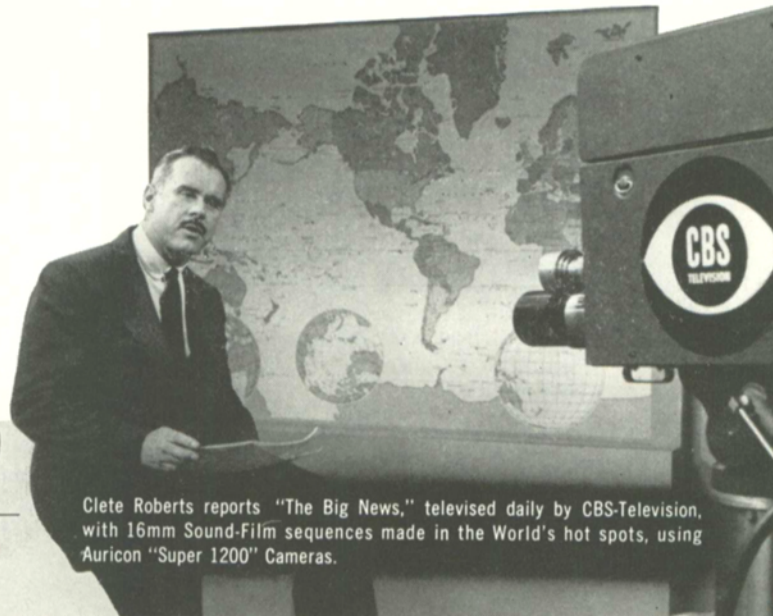
★ **Why not own the Best?** Auricon Cameras are preferred by Professionals for Single-System 16mm Sound-On-Film or Synchronous Double-System Studio Recording. Choose Auricon for dependability! Write for your free Auricon Catalog describing the many quality features of these Cameras. Always sold with a money-back guarantee, you must be satisfied!

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\$795.00 & up

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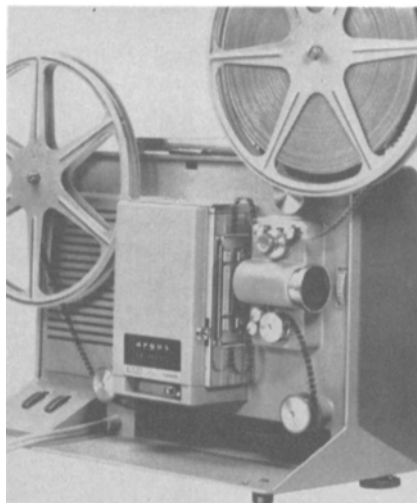
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The Argus M 500, an 8mm projector which weighs only 11 lb and has a film reel capacity of 400 ft, has been announced by Argus Camera Div., Sylvania Electric Products Inc., 1740 Broadway, New York 19. Enclosed in an aluminum case, it is 6 in. wide, 8½ in. high and 10¼ in. long. The compactness of the projector is due principally to the use of the company's Tru-Flector projection lamp (*Journal*, p. 120, Feb. 1958). The 22mm *f*/1.5 lens is set in a spiral mounting for ready focusing. The projector is priced at \$89.95.

A 750-w Kodak Showtime 8 Projector has been introduced by Eastman Kodak Co., Rochester 4, N.Y. It is equipped with a ¾-in. focal length *f*/1.6 lens to provide 5 by 7-ft projection in rooms of average size. A integral part of the projector is the new Kodak Presstape Movie Splicer. The splicer makes notched cuts on each frame to be spliced. The two pieces are then held together with Kodak Presstape which has the same size and perforations as the film. The projector is priced at \$174.50. A 500-w model is available at \$123.50 list or, with variable-speed control, at \$139.00.

A Kodak Film Cleaner with added lubricant has been announced by Eastman Kodak Co. The cleaner removes dirt and old lubricant from the film while restoring the proper amount of new lubricant to the film. It can be used on film striped with Kodak Sonotrack Coating without harming the soundtrack. Available from Kodak dealers, it is priced at 90 cents per 4-oz bottle.

A magnetic amplifier dimmer for TV and stage lighting control has been announced by the Lumitron Div., Metropolitan Electric Mfg. Co., 2250 Steinway St., Long Island City 5, N.Y. Designed to prevent undesirable interaction between high-current load circuits and low-current signal networks, or other electrical interference, the amplifier features a self-balancing, negative-feedback for maximum stability and regulation on both line and load variations. It has a maximum power rating of 10,000 w and a minimum of 1 w. Maximum temperature rise is reported 55 C on continuous duty with 10-kw load. Its volume is 1.5 cu ft; weight, 150 lb.

A new "Superior" 2 film has been announced by the Photo Products Dept., E. I. du Pont de Nemours & Co., Wilmington, Del. The new film, Type 936 Fine Grain, is of finer grain than its predecessor (now discontinued) and is hardened to withstand processing temperatures as high as 125 F. It is available in 16mm and 35mm daylight-loading and lab-pack rolls, footage numbered. Its exposure indexes, for use with ASA-calibrated exposure meters, are 80 Daylight and 64 Incandescent.

S.O.S. Cinema Supply Corp., 602 W. 52 St., New York 19, has announced a magnetic film striping machine. Available in two models, H8 for 8mm film and H16 for 8mm or 16mm film, the machine has been especially designed for users with budgetary and space limitations. Occupying less than 7½ sq ft and weighing approximately 150 lb, the unit can be set on any table or bench. In making the announcement, the firm noted such items as the capacity of 2000 to 2200 ft/hr; micrometric adjustment of coating thickness, accurate adjustment of variable width strips; use of filtered, heated air in the drybox; application in one operation of sound and balancing tracks, and use of adjustable polishers to minimize head wear.

A new type of microphone has been designed for relatively less weight and greater sensitivity by Radio Corp. of America. The microphone was described in a paper presented on April 22 at the Society's Convention at Los Angeles by Harry F. Olson, Director, Acoustical and Electromechanical Research Lab, RCA Laboratories, and by John Preston, members of the team of scientists who worked on the project. The new microphone employs electrostatic principles used in early broadcast microphones more than 25 years ago, before development of the electromagnetic velocity microphone in standard use today. Development of new materials and techniques made possible the reversion to the earlier principle, with resultant advantages in terms of size, weight and economy.

The Tele-Cinor 145mm *f*/4.5 for the Camex Reflex 8 single-lens reflex camera is announced as "the longest telephoto lens available to 8mm motion-picture fans." The lens is distributed by Karl Heitz Inc., 480 Lexington Ave., New York 17, through franchised Camex dealers. It has an angle of view of 3° with a focusing range from infinity to 10 ft, and a magnification of 12. It is 4½ in. in diameter and weighs 10 oz. It is priced at \$129.00, including the lens hood.

Zoomar Inc., Glen Cove, L.I., N.Y., has announced a lens for industrial TV cameras, the ITV Zoomar Mark II. The 2½-lb unit has three built-in motors and may be attached to any ITV camera by means of a standard "C" mount. Dimensions are 5 by 3½ by 3½ in. The lens has a full zoom range of 6:1 and features two focal length ranges, 22 to 130mm and 35 to 210mm. A speed of *f*/3.5 is constant over the entire zoom range. The lens is supplied as a basic unit with motor drives for distance setting, zoom and iris control.

New! ARRI 1000 FT. BLIMP FOR ARRIFLEX 35



The new 1000 ft. Blimp converts the ARRIFLEX 35 into a full-fledged SOUND STUDIO CAMERA, and brings further versatility to the ARRIFLEX 35 system. It accepts the ARRIFLEX 35 with regular synchronous motor, and utilizes standard Mitchell magazines, which are joined to the camera by means of an adapter, supplied with the Blimp. No alterations are necessary on the ARRIFLEX 35 or the Mitchell Magazine. No tools are needed. It takes but a few minutes to change the ARRIFLEX 35 from hand camera to studio camera or vice versa.

Features:

Modern acoustic damping methods afford extreme sound absorption. Permits use of microphones within 3 ft. of Blimp.
 Remote focus drive from 3 positions.
 Remote diaphragm adjustment.
 Through-the-lens-focusing and viewing.
 Matte box with leather bellows adjustable by geared struts.
 Large front port permits use of 18mm wide-angle lens.
 Adapter available to use anamorphic lenses.

Built-in filter holder for 3x3" filter.

Large Control windows for distance scale, diaphragm scale, footage counter and tachometer.

Wired for buckle switch which can be built into existing cameras and is factory supplied with camera if bought with Blimp.

ARRI-Precision Engineered for a lifetime of trouble-free service.

\$3,995.00 FOB N.Y.

A complete sound camera outfit: Arriflex 35, lenses, synchronous motor, magazine, ready to shoot, can be purchased for less than \$7,000.00! Available on convenient long-term lease plan with option to purchase.

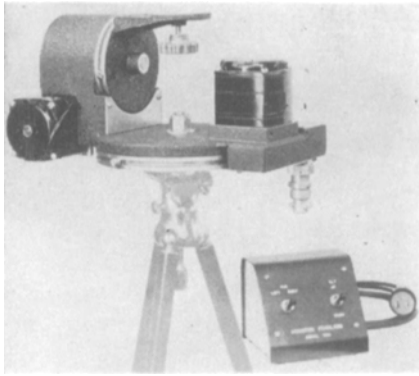
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The Houston Fearless Corp., 11827 W. Olympic Blvd., Los Angeles 64, has announced Model RCH-3 camera head for

small industrial-type TV cameras. Mounted on a light-duty tripod or other support, the head will handle cameras up to 20 lb. Powered by two Bodine motors, it will tilt the camera 45° up or down and rotate 370°. It can also be mounted vertically for operation of the camera in a vertical position. Speed of operation is 2°/sec in elevation, 3½°/sec in azimuth. The control unit can be located at a considerable distance from the head.

The company also announced a 78-lb. portable TV pedestal, the PD-10. Designed to provide a steady mount for all monochrome TV cameras, it will accept any standard head. A hydraulic jack is mounted on the center column for raising and lowering the camera. The three wheels can be locked in parallel for straight-line tracking or left free for maneuverability.

A new video tape recorder developed by British Broadcasting Corp. reportedly may be of particular use in Europe because of the difference in broadcast standards. The machine, called the Vision Electronic Recording Apparatus (Vera), records along the length of the tape. (Longitudinal recording was tried by U.S. engineers, but was discarded when Ampex perfected horizontal recording.) The British recorder uses ¼-in. tape which makes it more economical to run than the American machine which requires 2-in. tape. Splicing is easier on the Vera than on American machines and Vera also provides simultaneous recording and monitoring.

Chief apparent disadvantage, from the point of view of American producers, is the machine's high speed (200 in./sec). While this is no drawback in Great Britain where the 405-line, 25-frame system has only 10,500 lines/sec, using 2½-mc bandwidth, it is unsuited to the United States 525-line, 30-frame, 15,750 lines/sec, 4-mc bandwidth standard.

BBC research engineers have spent five years developing the recorder and two prototypes are now in operation. It is expected to be commercially available in the near future.

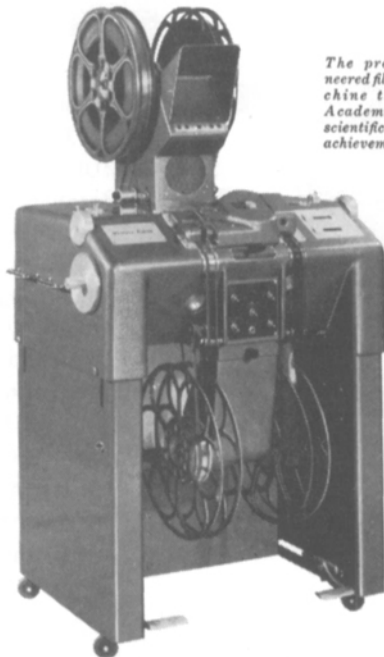
A British firm, Associated Rediffusion, has purchased two Ampex VR-1000 Videotape Recorders to pre-record complete TV programs for commercial use throughout England. Kurt Machein, the export video specialist for the Ampex Professional Products Div., will supervise modification of the machines to British broadcast standards. England is the fourth country, other than the United States, to which video-tape recording equipment has been shipped, the others being Canada, Japan and Germany.

Ampex Corp., Redwood City, Calif., has announced availability of color conversion accessories which are used to adapt VR-1000 Videotape Recorders from black-and-white to color. The conversion takes place by the addition of an electronics rack to the recorder. WGN-TV, Chicago, is the first station scheduled to receive the converter. An undisclosed number of color accessories have been delivered to networks.

A new line of RCA magnetic tapes has been announced by Radio Corp. of America. The tapes use either acetate or Mylar as a base for oxide coating impregnated with dimethyl silicone to provide lubrication for the life of the tape. The tapes are available on either 5- or 7-in. reels and in thicknesses of ½-, 1- or 1½-mils. The 5-in. reels are available in 600-, 900- and 1200-ft lengths. The 7-in. reels are available in 1200-, 1800- and 2400-ft lengths.

Pyral, 47 Rue de L'Echat, Créteil (Seine), France, has announced that it is manufacturing, in France, perforated ¼-in. tape with 8mm or 16mm perforation. In making the announcement, S. A. Pyral, General Manager of the company, said that he had read with interest the article, "Notes on the Sprocketape Magnetic Sound Recording System," by Chester E. Beachell (*Journal*, 66: 742-745, Dec. 1957).

Westrex



The precision-engineered film editing machine that won an Academy Award for scientific or technical achievement.



- Rewind flange
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- No intermittent
- Framing control
- Quiet operation
- Adjustable height
- Automatic fast stop
- Monitor loudspeaker
- Plays negatives safely
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- Centrally located control panel
- Mark films with gates closed
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16 mm EDITER 35 mm

- Photographic and single or multiple magnetic sound
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- Picture sound synchronization while running or stopped
- Rotating prism permits slow lap dissolve of picture
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- Take-up assemblies for 3000-foot 35mm and 1600-foot 16mm reels

Designed and engineered by the Westrex Hollywood Laboratories—in cooperation with leading studios — the Westrex Editer for 35mm and 16mm film is the modern machine which meets every film-editing need. Send today for additional information on the 35mm and 16mm Westrex Editors — your first step toward better, faster, easier editing!

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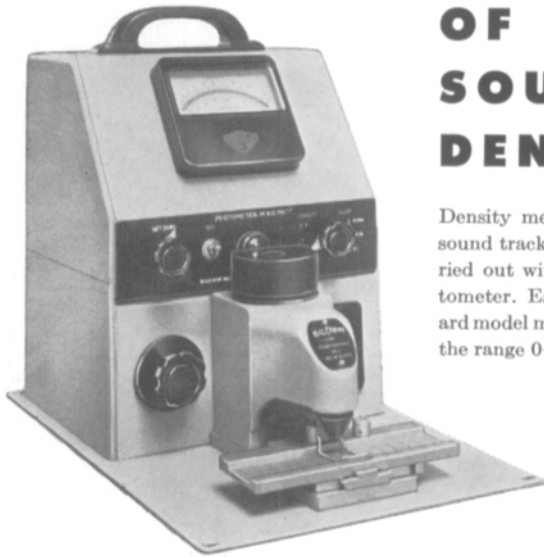
On the misty green isles of Japan, General's globe-trotting Ambassador of Good Filmanship paused to capture a rainy, serene moment of her idiomatic beauty on film . . .

Here, in an ancient land of many breathtaking moments, we pay a call on an exciting, vigorous young film industry, known — as General Film itself is known — for its high standards, consummate skill and artistry, and ever-expanding areas of accomplishment.



 **GENERAL** FILM LABORATORIES CORP.
1546 ARGYLE HOLLYWOOD 28, CALIFORNIA NO. 2-6171

ACCURATE MEASUREMENT OF SOUND TRACK DENSITY

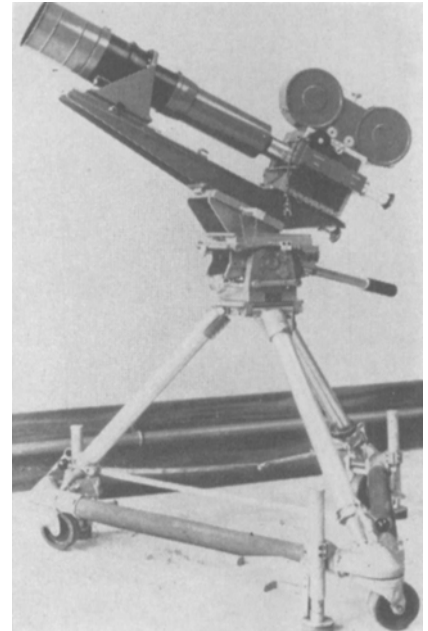


Density measurement of negative and positive sound tracks can be speedily and accurately carried out with the Baldwin Sound Track Densitometer. Easily fitted to a rewind desk, the standard model measures black and white density over the range 0—4.0 using an aperture 0.10" long by 0.02" wide, and colour density over the same range using an aperture 0.10" long by 0.045" wide. All models are supplied with the scanning slit parallel to the film perforation.

Complete, easy-to-read information on the Baldwin Sound Track Densitometer is given in Brochure 117—write *now* for your copy.

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The 35mm Vinten HS-300 intermittent motion camera, manufactured in England, is now available in the United States through Benson-Lehner Corp., 11930 Olympic Blvd., Los Angeles. Designed for research work, the frame rates are from 24 to 300 frames/sec. The intermittent motion device is comprised of a twin claw on each side for feeding the film, and a twin register pin on each side for locating it in register. The standard 35mm film magazines for the camera are interchangeable. Special 1000-ft magazines are available. The camera shutter is adjustable to give a range of openings from 170° to 10°.

Send Your Film To The Complete 16MM Service Laboratory

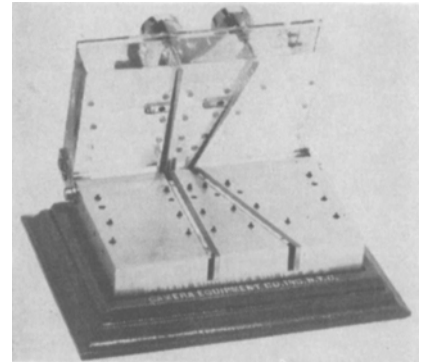
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The Master Craftsmanship Your Film Deserves



A tape splicer introduced by Camera Equipment Co., 315 W. 43 St., New York 36, is described as providing clean, even, sharp splices for all types of film, including Du Pont Cronar polyester base. The splicer, called Ace Clear-Vision Model II, has a recessed blade designed to cut evenly. Depressed by pushbuttons, the blade immediately springs back into its recessed position. Center bars in the base push the film back up after its has been spliced. The splicer has a nonmagnetic construction. The film is spliced with 1½-mil Mylar perforated transparent tape. The taped splices are reported to be unaffected by film cleaning solutions or humidity. The splicer is priced at \$125.00.

When you can't budge from the Budget...see **CECO!**

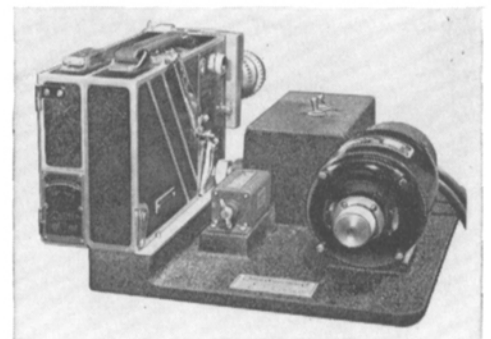


**Bell & Howell
Continuous Film Printer**

Prints either sound or picture by contact. Suction-cooled lamphouse; removable filter holders; 300 watt projection type lamp. Other B & H Models and accessories available. **\$4,600.00**

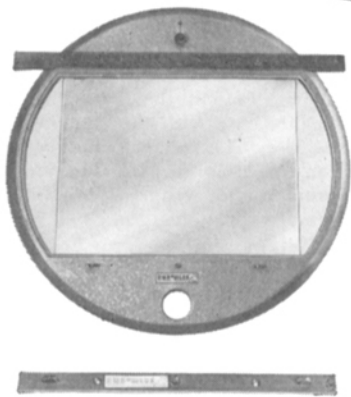
Other Printers
from **\$167.50**

When you make commercial films, the budget is sacred. It isn't like the old days in Hollywood when a big name director could go a couple of million over his budget—and get away with it. Today if you exceed your budget, it very likely will come out of your own pocket. So do what other smart producers, directors, cameramen and sound engineers do. Consult CECO. Our experts have the know-how about equipment and money-saving techniques. We carry the world's largest assortment of professional cameras, lenses, tripods, recording, editing, lighting, laboratory and processing equipment, etc. There is never any charge at CECO for consultation. Come by for help with any problem, large or small.



CECO Stop Motion Motor for Cine Special

110 volt AC operation; 1/2 second exposure. Has forward, reverse, on-off switches; frame counter; power cable. Attaches easily to camera without special tools. **\$450.00**



**Bowlds Animation Disc
and Peg Bar**

Animation Disc features oversize contoured glass; convenient rotation; positive lock; full vision sliding scale; and clear, opal, or frosted glass. Peg Bar has precision pegs so that cels slip on and off easily. Has countersunk holes and flush screws for easy attaching.

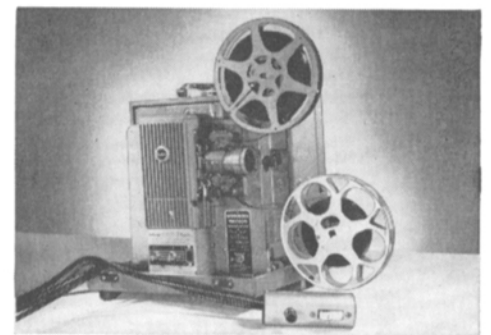
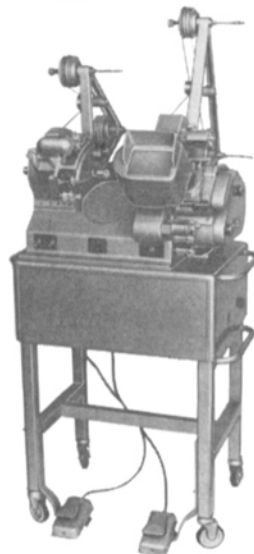
Animation Disc **\$47.50**
Peg Bar **6.50**

**Moviola Film
Editing Machine
"Series 20"**

Designed so that short pieces can be used without putting film on reels. Rear projection screen. Reversed by hand-operation switches. Other models and Rewinders, Synchronizers, and Sound Readers available.

Model UD20S
(Illustrated) **\$1,925.00**

Other Film Editing
Viewers from **\$49.50**



**Weinberg-Watson Modified Version
of Kodak Analyst**

Gives flicker-free projection at speeds from 6 to 20 frames per second. Single frame operation forward and reverse without damaging film. Quick transition from continuous to single frame. **\$795.00**

ADDITIONAL PRODUCTS Camera Equipment Company offers the world's largest and most comprehensive line of professional cameras, accessories, lighting and editing equipment. The quality product isn't made that we don't carry. See our splicers, — exposure meters — projectors — screens — marking pencils and pens — editors gloves — editing machines, racks, barrels, and tables — stop watches.

FRANK C. ZUCKER

CAMERA EQUIPMENT CO., INC.

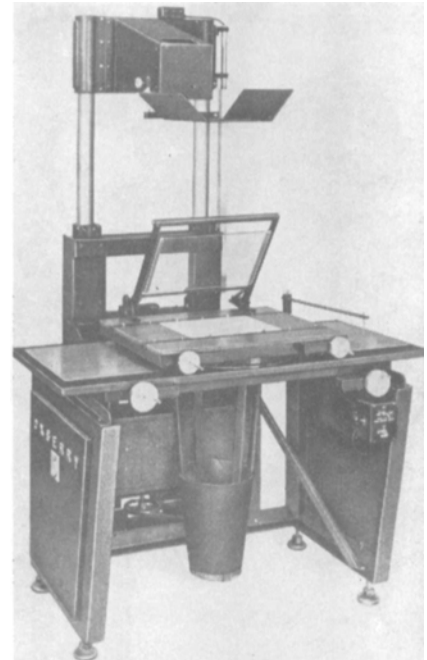
Dept. JS, 315 West 43rd St., New York 36, N. Y. JUDSON 6-1420

SALES • SERVICE • RENTALS

Photographic equipment used in the McDonnell F-101 Voodoo jet aircraft which, last December, went hurtling through the atmosphere to break four speed records, included an Automax Camera, Traid intervalometer and a Bell & Howell 70 KRM 16mm camera. Before the record-breaking flights were attempted information on the aircraft's performance at various altitudes was required and in-flight fueling problems were studied. A continuous photographic record of all instrument readings was made by the Automax camera which was equipped with an 18½ mm lens. The camera was mounted within the instrument panel, shooting into a front-surface mirror which reflected the readings.

Movielab Color Corp., 619 W. 54 St., New York 19, has issued a 4-page Memo which contains descriptions of 10 different color processes for the production of 35mm and 16mm release prints. Charts illustrating the various processes are also included. Copies are available upon request to the company.

Developments is published by Beckman and Whitley Inc., 985 San Carlos Ave., San Carlos, Calif. The first (and current) issue, Spring 1958, contains a description of the company's new Model 192 Continuous-Writing Framing Camera. Suggested applications include aerodynamic studies and thermal-barrier studies in ballistics investigations.



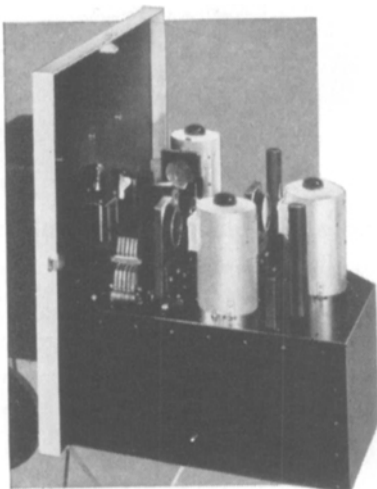
A new Oxberry animation stand designed for industrial use was exhibited for the first time April 21-25 at the Society's Convention at Los Angeles by Animation Equipment Corp., 38 Hudson St., New Rochelle, N.Y. The stand is constructed of welded steel and can accommodate all standard 16mm and 35mm camera and stop-motion motors. The carriage operates on ball-bearing rollers which ride on two 2½-in. diameter, chrome-plated, ground steel columns. A removable shadowboard is adjustable and has north-south, east-west matte device. The camera faceplate moves 28½ in. vertically to permit zooms from 3 to 12 field with an Ektar 25mm lens. An adaptor 15mm lens is used for larger fields. The electric zoom control permits continuous, jog and reverse camera movements. The stand is 88 in. high with the camera in top position, 60 in. high with the camera in the lowest position, 64 in. wide, including east-west movement, 50 in. deep, including full south position, and weighs approximately 685 lb.

All compound movements are ball-bearing. The table top measures 21 by 27 in. and is 39 in. above the floor. East-west travel is 11 in. and north-south travel is 9 in. Compound is calibrated for 360° rotation and a manual lock allows it to be secured in any position. Platen is hand-operated and is spring-loaded for easy operation. The table top has a 9 by 12-in. removable section at its center to provide clear space to the floor for underneath lighting. Cel tables measuring 12 by 22 in. are built in on the left and right sides of the compound. Toplighting and pantograph installations are included.

An 8-page illustrated brochure, *How Many Jobs*, describing industrial television equipment produced by General Precision Laboratory, 63 Bedford Rd., Pleasantville, N.Y., is available upon request from the company. Various applications, including installations with unusual engineering requirements, are also described.

3-LIGHT Additive Color Compensating Head

Supplied to fit existing machines of Depue-Carlson and Andre Debrie Step Printers and Bell & Howell Continuous Printer Models D & J.



Used by: Movielab Color Corp., Color Service Co., General Film Labs., Consolidated Film Inds., Pathe Labs., Alexander Film Co., Deluxe Laboratories, U. S. Signal Corps, Ace Film Labs, Warner Bros.

This 3-light additive color unit supplies discrete blue, green and red beams. No one beam contributes to contamination of the others.

Solenoid operated, calibrated neutral density glass filters. Five filters in each color beam, giving 32 printer steps of .025 Log E.

High efficiency interference-type dichroic beam splitters to form a single mixed output beam.

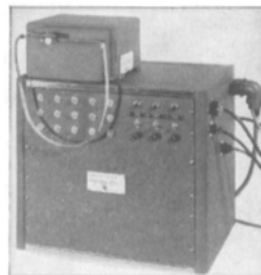
Colored glass and/or high efficiency, interference-type trimming filters, "peaked" to the positive stock sensitivity.

Printing speed up to 125 feet a minute for continuous printing; 55 feet a minute for step printing.

Three 750-Watt bulbs, operating at 60-80 volts. Assures long bulb life, saving time in calibration.

Adjustable lamp sockets to line up filaments. Three degrees of freedom; vertical, rotational, lateral.

Four-leaf adjustable diaphragm, imaged at the printing aperture which provides an optical printing aperture for exposure and/or uniformity control.



AVAILABLE ACCESSORIES

3-Channel Memory Unit with Reader for automatic operation of flipper assembly, reading in succession blue, green, red and storing the introduced information. 15 neon pilot lights indicate when the 15 neutral density filters are in or out so that operator can see at a glance if Reader and Memory Unit are functioning properly. For easy servicing, commercially available punched tape reader is used as a base.

Keyboard and Punch with 32 combinations for each color; blue, green, red; with an additional channel for introducing other information such as stop, lap dissolves, etc., and with built-in scene counter. Can also be used with Reader to reproduce automatically duplicate tapes and will permit corrections of the tape and continue with the accepted information.



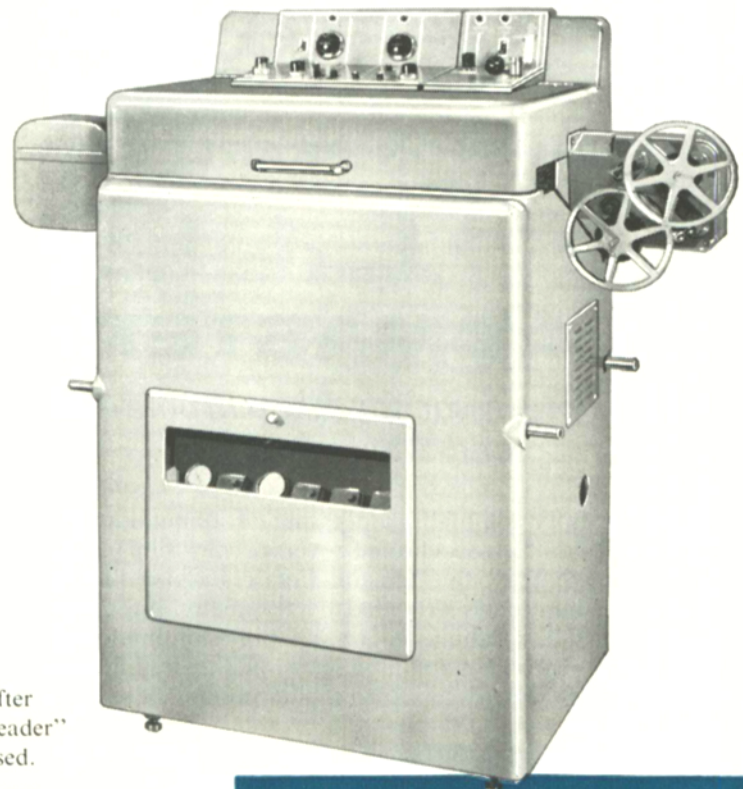
Write for further information

FISH-SCHURMAN CORPORATION, 85 Portman Road, New Rochelle, N. Y.



AUTOMATIC TRI-FILM PROCESSOR

UP TO SIX FEET A MINUTE WITHOUT LOSS OF QUALITY!



THE transportable Mark 3 Automatic Tri-Film Processor develops and dries 16, 35 or 70 mm. film at 1½, 3 or 6 feet a minute! Four 400-ft. 16 mm. films can be handled simultaneously—or two 400-ft. 35 mm films—or one 400-ft. 70 mm length. The various film sizes are accommodated by simple adjustments of film separators. Separate temperature control of the processing solution is possible on each tank from 60 to 110 degrees F., within ± 1 degree. The latest high temperature chemical resistant plastics and Type 316 stainless steel are used in all chemical areas. Processing is controlled by a mechanical program unit after the film is loaded into the machine—no special “leader” or continuous tapes, chains or sprockets are used.

The need for stop baths and interbath rinses, normally required in many processes, is virtually eliminated because of a positive squeegee roller design.

A high-efficiency blower system and electrical heating ensure rapid drying in the machine. The Processor is perfect for newsreels, TV news on film, motion picture “rushes” in the field,—in all cases where speed plus quality are essential. Write for literature and quotations.

SPECIFICATION S

AUTOMATIC TRI-FILM PROCESSOR TYPE T246 Mk3

Size: 54" long, 22" wide, 51" high
 Weight: 400 lbs.
 Power Consumption: 5 KVA maximum single-phase: 110 volts, 45 amps, or according to customer requirements
 Process Capacity: 1 to 4 rolls 16 mm } length
 1 or 2 rolls 35 mm } to
 1 roll 70 mm } 400 ft.
 Rate of Processing: 1½, 3 or 6 ft. per min.
 Temperature-controlled solutions and dryer. Daylight operation except loading of film into magazine. Processes perforated or plain film.

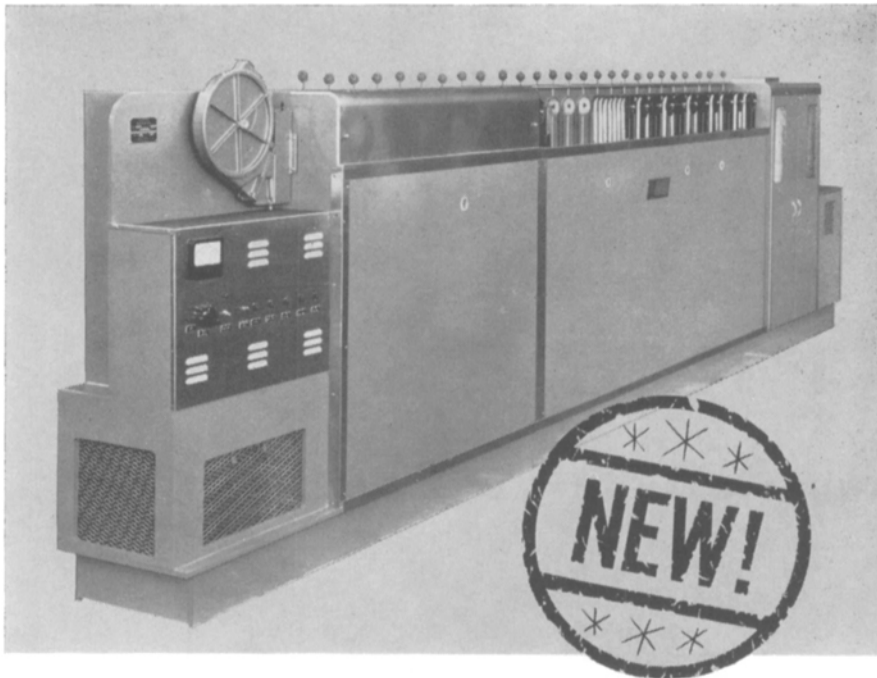
Canadian Applied Research Limited

(formerly PSC Applied Research Limited)

1500 O'CONNOR DRIVE
 TORONTO 16, ONTARIO, CANADA
 PLYMOUTH 5-3371

MEMBER: A. V. ROE CANADA LIMITED & HAWKER SIDDELEY GROUP





HOUSTON FEARLESS
COLOR
LABMASTER

*Film processor for Ektachrome 7255
 and Anscochrome*

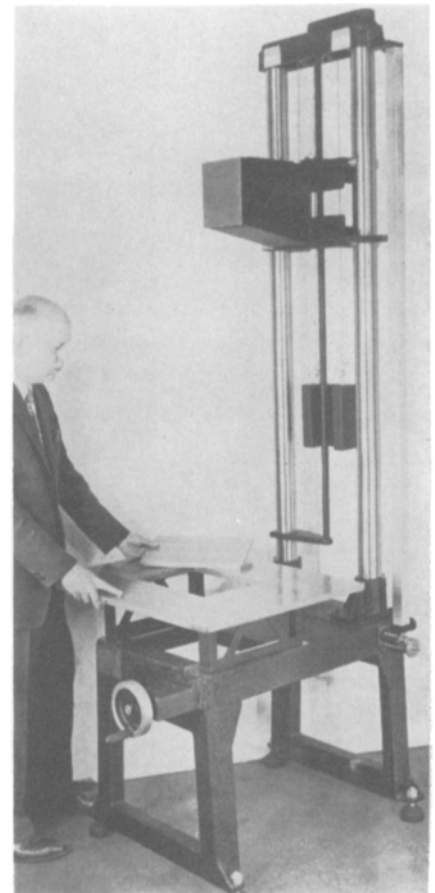
Efficient, fully-automatic processing of 16mm Ektachrome 7255 or 16mm* Anscochrome reversal color films is accomplished with the new Houston Fearless Color Labmaster. Ease of operation is provided by the many automatic features. The Color Labmaster is a fine, precision-built machine, yet low in price . . . a result of Houston Fearless' 30 years of leadership in the manufacture of film processing equipment.

- Speed variable up to 30 f.p.m.
- Daylight operating. Dark room model available.
- All tanks stainless steel.
- Variable clutch-drive film transport prevents film breakage.
- All running-water washes.
- Accurate solution temperature controls.
- Double-headed rubber wipers.
- Air squeegee.
- Adjustable lifter rods.
- Filtered-air heat in dry box.
- Extra film magazines.
- Direct reading thermometers.

*16/35mm model also available



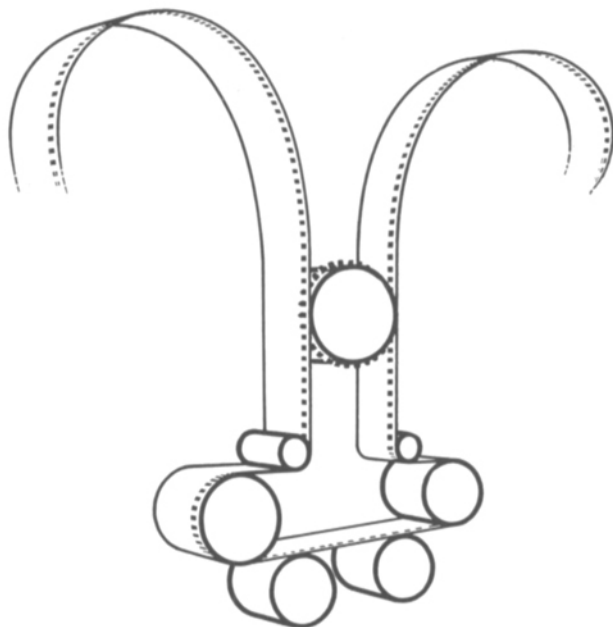
.....
HOUSTON FEARLESS CORPORATION
 11827 W. Olympic Blvd., Los Angeles 64, California
 Send catalog and prices on:
 Color Labmaster processors. B & W processors.
 Printers. Camera heads. Remote control heads. Tripods. Dollies. Pedestals.
 Name _____
 Firm _____
 Address _____
 City _____ Zone _____ State _____



A titling, animation and special effects camera stand and compound table have been announced by Warren Conrad Portman Co., 41 MacQuesten Pkwy. N., Mount Vernon, N.Y. The machine is constructed entirely of castings for rigidity, accuracy and permanent alignment. The basic stand has a cast-iron bed made in one piece and surface ground for squareness between stand and compound. Two ground steel columns, 3 in. in diameter set 15 in. apart, allow artwork to pass between. The fade plate receives any 16mm or 35mm camera. The camera stand can pass through a doorway only 30 in. wide. The compound has ball-bearing-mounted 19 by 26-in. east-west movements which ride on 2-in. ground steel rails. The movements are activated by lead screws with hand wheels and register with counters. The mahogany table top has 360° rotation and a hole 12½ by 9 in. through to the floor for underneath lighting and projection. The basic stand is priced at \$1495.00 and the compound and table top at \$1640.00. A 10-page catalog is available from the manufacturer.

Clairex Corp., 50 W. 26 St., New York 10, has announced a line of small photoconductors. The line comprises a combination of four types of cadmium sulfide and cadmium selenide polycrystalline photoconductive materials with four types of enclosures, two of plastic and two of hermetically sealed glass. A folder giving detailed descriptions of the photoconductors is available from the company.

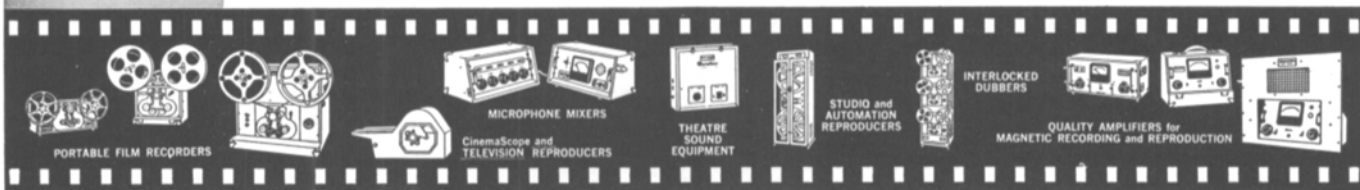
"Synkinetic Motion" celebrates 10th anniversary



Ten years ago, on May 22, 1948, at the 63rd semi-annual convention of the Society of Motion Picture and Television Engineers at Santa Monica, California, Magnasync engineers demonstrated the first 16 mm magnetic film recorder. The paper described a revolutionary new principle of filtering defined as "SYNKINETIC MOTION!" This new concept, based on the use of dual-flywheels, has since become widely accepted and used by all leading manufacturers.

Trailblazing is a tradition at Magnasync. The continual development of new theories methodically engineered, perfected and applied has established Magnasync as the international leader in the design and manufacture of quality magnetic film recording devices.

INTERNATIONAL LEADERS IN THE DESIGN AND MANUFACTURE OF QUALITY MAGNETIC FILM RECORDING DEVICES



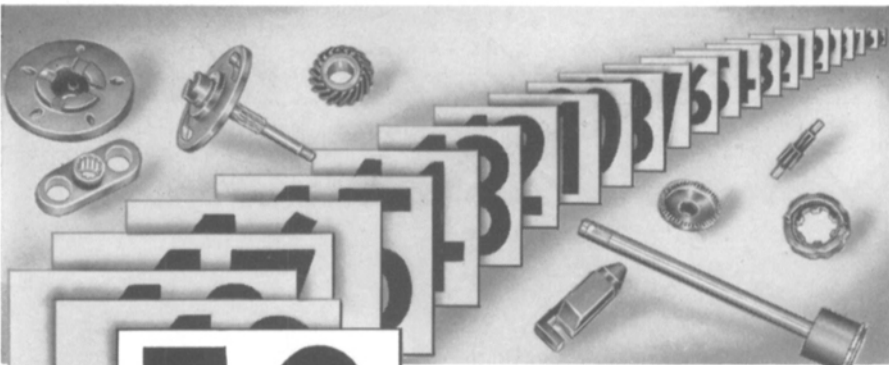
MAGNASYNC MANUFACTURING CO., LTD., 5546 Satsuma Ave., North Hollywood 2, Calif.

DEALERS

NEW YORK: Camera Equipment Co., 315 W. 43rd St., New York 36, N.Y.; JUdson 6-1420; Cable "CINEQUIP."
 CHICAGO: Zenith Cinema Service, Inc., 3252 Foster Ave., Chicago 25, Ill.; IRVing 8-2104.
 SAN FRANCISCO: Brooks Camera Co., 45 Kearney, San Francisco, Calif.; EXbrook 2-7348.

LOS ANGELES: Birns & Sawyer Cine Equipment, 8940 Santa Monica Blvd., Los Angeles 46, Calif.; OLYmpia 2-1130.
 INDIA: Kine Engineers, 17 New Queens Road, Bombay, India.
 JAPAN: J. Osawa & Co., Ltd., 5 Ginza Nishi 2-Chome, Chuo-Ku, Tokyo, Japan; Tel: Tokyo 56-8351-5; Cable "OSAWACO."





50

YEARS OF EXPERIENCE
 in the manufacture of
SMALL MACHINE PARTS
OF HIGHEST PRECISION

The equipment you design and produce demands the finest quality in each of its components. For those machine parts requiring fine finishes, difficult machining operations, and closest tolerances specify LaVeZZi and be certain of parts that meet approval. Your quotation requests will receive prompt and careful consideration. Illustrated brochure will be mailed upon request.

LaVeZZi MACHINE WORKS

4635 WEST LAKE ST., CHICAGO, ILLINOIS



CLASSIFIED ADVERTISING

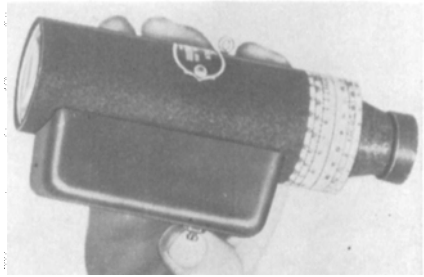
First three lines \$5.00

Each additional line \$1.00

per inch \$13.00

FOR SALE: 16 mm animation and titling Saltzman stand with reconditioned Kodak Cine Special and heavy-duty stop-motion motor. \$2500. Roger Wade Productions. 15 West 46 St., New York 36. Tel: Circle 5-3040.

FOR SALE: FILM DEVELOPERS, Houston K3A, completely rebuilt by original mfr.; guaranteed; complete, ready to operate, \$2,795.00. STEP PRINTERS, 35mm Houston, for separation and dupe negatives; automatic light and filter changer; complete, \$6,500.00. Houston Fearless Corp., 11827 W. Olympic Blvd., Los Angeles 64, Calif.



The Elwood Foto-Meter Model Z-4 has been announced by Fotomatic Corp., 2603 Kessler Blvd., North Drive, Indianapolis 22, Ind. It is an exposure meter designed to pinpoint light readings from small areas in the scene or subject with the highest possible accuracy and sensitivity. The meter reading may be translated to lens settings or ft-L on the sliding scale around the eyepiece. It is calibrated for ASA film indexes from 0.2 to 6,400; lens stops from f/1 to f/45; lens speeds from 8 sec to 1/1000 sec; motion-picture cameras at 32, 16 or 64 frames/sec; the LVS or EV system from 1 to 18; for Polaroid; ft-L from 6,400 to 0.1; and incident light. The angle of light measurement is approximately 2°. It weighs approximately 12 oz and is 7 in. long and 3 in. high. It is powered by miniature batteries and employs a photo-crystal described by the company as a "special type of photoconductive material, the result of many years of research."

Announced as for sale through dealers only, the meter is priced at \$97.50.

Four new 8mm electric-eye cameras have been announced by Bell & Howell, 7100 McCormick Rd., Chicago 45. Introduced last year (*Journal*, p. 510, Aug. 1957), the electric-eye camera uses solar or light energy for automatic lens setting. The new models, ranging in price from \$99.95 to \$159.95, have various new features including a three-lens turret on the higher-priced model, a solar grid which eliminates the need to adjust the camera for the type of film used, a viewfinder tinted to define the area covered by a normal lens and fast f/1.8 lens on two of the cameras. The turret model has both automatic and manual exposure control for special effects such as intentional under- or over-exposure of a scene.

Filmline THE
ULTIMATE IN
FILM PROCESSING MACHINES

CONTROLLED
PROCESSING
FOR ALL BLACK & WHITE... AND COLOR EMULSIONS

FILMLINE CORPORATION, DEPT. SM-58, MILFORD, CONN.

What The Well Dressed Editing Room Should Wear

EDITING TABLE & RACK



EDITING TABLES & RACK:

HFC editing tables are made of strong angle iron construction with a bottom reel rack, formica table top, and 9" x 12" flush light well. Stock tables are 24" W x 60" L x 30 1/2" H (ETBR-1) and 28" W x 60" L x 30 1/2" H (ETBR-28). Any size can be made to the editor's specification. The 4 tier table rack fits directly onto the back of the table and is ideal for holding small rolls of film for intercutting, (TR-1).

FILM RACK:

HFC angle iron film racks are inexpensive and especially made for 35mm 1000' reels or cans. Each tier holds up to 25 reels or cans. The entire rack can be taken apart and additional holes drilled to move the rods to positions for other reel sizes. Stock sizes are: 4 tier - AR-4, 5 tier - AR-5, 6 tier - AR-6, 7 tier - AR-7.

SWIVEL BASE:

HFC swivel bases enable the editor to turn the rewind to 2 additional positions for rewinding the film to be taken up from the editing machine or film bin in proper alignment. The rewind is attached onto the swivel base, which is bolted to the table (SB-1).

LEADER STANCHION:

HFC leader stanchions are attached to the HFC rewind and will hold 3 reels of leader or effects on top shaft front and one reel of leader on shaft in back facing the operator (LS-1)

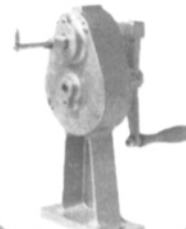
LEADER STANCHION



FILM RACK



REWIND



FILM SYNCHRONIZER:

All types of synchronizers of 16 or 35mm are available from stock, as well as 16 & 35mm combinations; and 35 - 32 and 35mm combinations. Units to handle 35mm, 65mm and 70mm are available on special order.

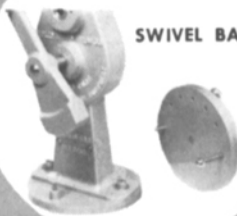
REWINDS:

HFC hand rewinds permit the operator to pull one or more reels with a minimum of effort. (RE—for normal winding, REF—with a top friction control, REL—with elbow brake and REU—with universal joint and end support). The outstanding features are: enclosed ball bearings, precision steel cut gears, interchangeable shafts, and a base which is cut at an angle to keep reels from moving up and down the shaft.

FILM BINS:

HFC steel film bins are available with hooks and casters. Trims are held on the hooks prior to matching. Film bin liners made of cotton drill are used on the inside of the bins to keep the film from being scratched or getting dirty. (SFB-1, 18" x 24" x 24"; LFB-1, 22" x 23" x 32")

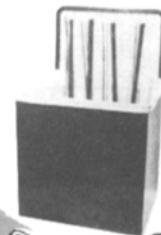
SWIVEL BASE



SYNCHRONIZER



FILM BIN



HOLLYWOOD FILM COMPANY
precision film editing equipment

956 N. Seward
Hollywood 38, Calif.
HO. 2-3284



524 W. 43rd St.
New York, N. Y.
LO. 3-1546

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