

Exhibit Directory

U.S. GOVERNMENT DISPLAYS: The *U.S. Naval Photographic Center*, celebrating its 20th Anniversary, will present a continuous film-highlights of Navy motion-picture and television production. The latest developments in saturated web processing as applied to aerial and reconnaissance photography will be on display, along with special environment housings for motion-picture cameras. The *U.S. Naval Ordnance Laboratory* will exhibit examples of some of its latest work in the field of instrumentation and high-speed photography. The *U.S. Department of Agriculture* has prepared a display based on its more than 50 years of motion-picture production.

Animation Equipment Corp. Booth 9
38 Hudson St., New Rochelle, N.Y.

Exhibiting: 35mm Precision Contact Step Printer; 16mm High-Speed Inspection Projector; Ox-berry 35/16 Process Camera.

Personnel: Edward Willette, Jack Silberlicht.

Arriflex Corp. of America Booths 24, 25
257 Park Ave. South, New York 10, N.Y.
7303 Melrose Ave., Los Angeles 46, Calif.

Exhibiting: Arriflex 16M magazine 16mm camera, with signal generator and electric slate; Arriflex 35 with signal generator and automatic start marker; Siemens 2000 Double Sixteen 16mm Sound Projector; new automatic pressure operated eyepiece; 24V DC Governor Controlled Motor on geared base for 35mm Arriflex; Angenieux 12mm to 120mm Zoom Lens; Taylor-Hobson-Cooke 18mm Cinegon; complete lines, Arriflex 16 and Arriflex 35; and ARRI Silver Recovery Plant.

Personnel: Victor James, Bruce Harris, Tomi Thompson.

Bell & Howell Co. Booth 29
7100 McCormick Rd., Chicago 45, Ill.

Exhibiting: The Model "C" Automatic Additive Color Printer for use in producing the ultimate in motion-picture screen results. Also shown, the tape control system and the tape checker-duplication for use in modern laboratories.

Personnel: Jim Wassell, Malcolm Townsley, Hans Wohlrab, John Terry, Hank Stemke.

Birns & Sawyer Cine Equipment Co. Booth 34
6424 Santa Monica Blvd., Hollywood 38, Calif.

Exhibiting: Omnitara Telephoto Lenses, including the

new Omnitara 1000mm *f*/4.5 high-speed lens; under-water housing for Arriflex 16 and 35 camera; 35mm analysis projector; triangle with tri-downs; 16mm and 35mm splicing blocks; camera leveling hi-hat; tracking finders; large dial stop watch; heater and sound barneys.

Personnel: Clifford Sawyer, Chuck Sorenson.

Camera Equipment Co. Booth 5
315 West 43 St., New York 36, N.Y.

Exhibiting: Waddell High-Speed Camera and accessories; 70mm motion-picture viewer; motorized zoom lens; Bauer Xenon 16mm projector; CECO tripods, and other camera mounting equipment.

Personnel: L. J. Girola; A. J. Lombardi, J. Schaffer, Sol Fol, Jack Brown.

Camera Mart, Inc. Booth 17
1845 Broadway, New York 23, N.Y.

Exhibiting: Camart Add-A-Unit extension plates for Moviola; Bror compact 16mm black-and-white positive/negative processor (Cadet model); Camart film editing tables, racks, barrels, chairs and stools; Camart Optical FX units; Camart TV mattes for Moviola; Kidde Mark IV film inspection and automatic splicing machine; Camart dual reader for optical and magnetic sound; Camart Lubrystyle oiler pens; Izza light stand; Colortran Quartz King lights; Camart Tite-Wind unit; Camart core dispensers; Camart GTC-59 Lens Cleaner-Liquidage-Contact Restorer; Camart Mike Boom; Camart Baby Platform Dolly; Camart Triangles; a new type Frezzo Power Pack; Stanco Automatic Splicer; 30v Sun Gun with power pack.

Personnel: Samuel (Chick) Hyman; Paul Meistrich; Charles Lipow.

Camera Service Center Booth 33
333 W. 52 St., New York 19, N.Y.

Exhibiting: 25/2 250 mm Angenieux zoom lens with special accessories including sun shade, filter holder with filters; 12/2 120 mm Angenieux zoom lens with special accessories; duo-volt voltage regulator; dolly hi-hats; Arriflex cameras with various Arriflex accessories for 16mm and 35mm; Mitchell R-35 Mark II; specialized motion-picture accessories for film-makers in 16mm and 35mm.

Personnel: H. (Scoop) Clapp, Al Nathanson.

EXHIBIT HOURS

Monday, April 22	2:30-6:00
Tuesday, April 23	11:00-8:00
Wednesday, April 24	11:00-4:00
Thursday, April 25	11:00-6:00

Admission to the Exhibit will be by Convention Registration Badge or Exhibit Pass. Passes may be obtained free of charge at the Registration Desk.



**Use the Quiet Running AURICON
16mm Sound-On-Film Camera...
NEVER DISTURB THE AUDIENCE WITH CAMERA NOISE!**

Does the scene above look familiar? You may be interested to know more about its significance relative to your sound recording needs.

Here is Auricon Professional 16mm Motion Picture Sound Camera Equipment, operating right in the middle of an audience — actually within inches of the surrounding spectators! Yet, despite the complex precision mechanisms that are recording a full-color picture and every whispered word of the speaker on the rostrum, not even a murmur of distracting camera noise is heard by the audience. This quiet, dependable recording of 16mm Sound-On-Film Talking Pictures is the special engineering "magic" of Auricon!

Except for the red signal lights glowing on the Auricon Sound Camera, the audience has no way of knowing that the Camera is running. In fact, even the click of the on-off switch has been muted!

Auricon Cameras are versatile and easy-to-handle because there is no bulky, sound-proof enclosure "blimp" such as all other 16mm cameras use when recording sound.

Professional Producers and Cameramen choose Auricon to shoot pictures synchronized with Optical or Magnetic "Double-System" recording equipment, or to record "Single-System" sound on the same film taking the picture. Write us about your sound recording equipment needs today!

All Auricon Cameras are sold with a 30 day money-back guarantee. You must be satisfied!

BACH AURICON, Inc.

6946 Romaine Street, Hollywood 38, California
Hollywood 2-0931


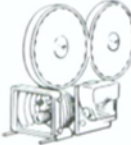

**MANUFACTURERS OF SOUND-ON-FILM
RECORDING EQUIPMENT SINCE 1931**

Write for your free copy of this 74-page Auricon Catalog



Auricon Hollywood

**16MM
SOUND-ON-FILM
CAMERAS**

 <p>CINE-VOICE II \$998.50 & UP 100 ft. Runs 2¾ min.</p>	 <p>AURICON SUPER-1200 \$5667.00 & UP 1200 ft. Runs 33 min.</p>	 <p>AURICON PRO-600 \$1871.00 & UP 600 ft. Runs 16½ min.</p>
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Canon Camera Co., Inc. Booth 16
30 East 42 St., New York 17, N.Y.

Exhibiting: Zoom Lens 'TV-16 (C-16) 25-100mm $f/1.8$; Motorized Zoom Lens TV-16 25-100mm $f/1.8$; Studio Zoom Lens III 50-200mm $f/4.5$ (RCA, Pye, TV88 Mount); Field Zoom Lens IV55-2000mm $f/4.5-f/28$ (RCA, Pye, TV88 Mount); Motion-Picture Camera Zoom Lens C-35 45-2000mm $f/2.8$; Lenses for TV88 Mount; Accessories.

Personnel: George Kyotow.

CBS Laboratories Booth 12
High Ridge Road, Stamford, Conn.

Exhibiting: Solid-state video distribution amplifier; Audimax automatic level control; digital display unit; broadcast test records—the video distribution amplifier features automatic gain selection, dual power supply, and automatic standby operation. The Audimax has gain platform, return-to-zero features and natural TV audio control. The digital display units were developed for CBS-TV for reporting election returns. The broadcast test record represents a unique method for testing all broadcast equipment.

Personnel: Elliot Kurtz, Emil Torick, Marvin Kronenberg.

ColorTran Industries Booth 23
P.O. Box 188, Burbank, Calif.

Comprehensive Service Corp. Booth 4
245 West 55 St., New York 19, N.Y.

Exhibiting: Reels, cans, cases; film handling, inspection and editing equipment and supplies. Rejuvenation of color and black-and-white originals, dupes and release prints. Free consultation service.

Personnel: Michael Freedman, Stanley Gilner, William Howard and Jules Leni.

Ehrenreich Photo-Optical Industries, Inc. Booth 7
111 Fifth Ave., New York 3, N.Y.

Exhibiting: Nikon Video Remote Control equipment. This equipment, coupled and connected to the Nikon F, a single-lens reflex 35mm camera, permits remote control of all the picture-taking procedures, i.e., horizontal and vertical turning of the camera, zooming and focusing of the lens, setting of the shutter speed and automatic or manual setting of the aperture diaphragm to the correct exposure, film advance and winding up and releasing of the shutter, while the operator is observing the television screen on which the camera's view field with a split-image range finder is made visible. Also shown, complete lines of Nikon Nikkorex, Mamiya, Fujica and Bronica cameras.

Personnel: Leonard Nelson, Joseph Abbott, Mort Majed, Albert Levin, Stuart Held.

Elgeet Optical Co. Booth 26
303 Child St., Rochester 11, N.Y.

Exhibiting: Oscilloscope recording lenses; cathode-ray tube recording lenses; high-speed ruggedized camera lenses; copy lenses; 4:1 $f/1.8$ manually operated zoom lenses; 6:1 $f/3.5$ remote controlled zoom lenses; lenses for closed-circuit television, vidicon type; various types of photographic lenses. Also shown, an 8mm rear screen sound projector, the Vicaudio Mark II.

Personnel: Manuel Kiner, Eugene Miller, David Goldstein.

Filmline Corp. Booths 14, 15
Erna St., Milford, Conn.

Exhibiting Model S-60 new type friction drive spray processor, professional caliber, 16/35mm negative/positive; R-36 16mm reversal processor.

Personnel: E. B. Krause, John Grady, John Koteas.

Oscar Fisher Co. Booth 30
P.O. Box 426, Newburgh, N.Y.

Exhibiting: Automatic photographic processing equipment.

Personnel: Stephen G. Fisher.

Florman & Babb, Inc. Booths 21, 22
68 West 45 St., New York 36, N.Y.

Exhibiting: F&B Mini Monitor, a miniature, transistorized, battery-powered, magnetic sound reader, complete with amplifier and speaker; new 400-ft Cine Voice Conversion; Acmade Mark II Editing Table; Acmade Precision Tungsten Carbide Hot Splicers—Table and Foot-Pedal Models; Acmade Automatic Tape Butt-Splicers; Sachtler-Wolf Gyro Tripod; Complete Sound Effects Library; new Angenieux Zoom Lenses.

Personnel: Arthur Florman, John Babb, Leonard Hollander, Dominick Noto.

Hi-Speed Equipment, Inc. Booth 3
73 Pond St., Waltham 54, Mass.

Hollywood Film Co. Booth 28
956 N. Seward St., Hollywood 38, Calif.

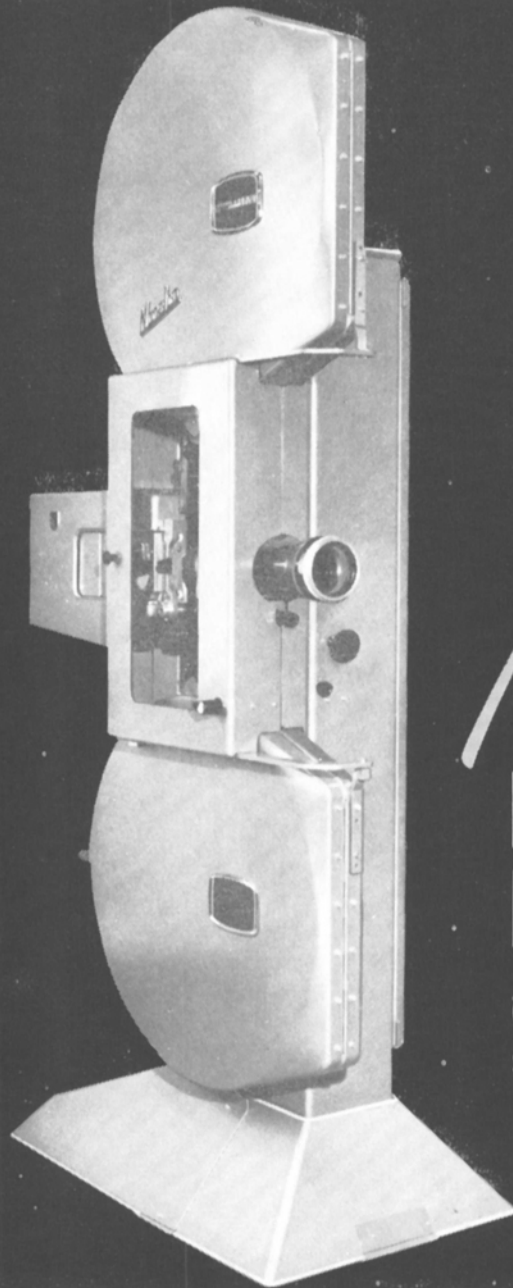
Exhibiting: 16mm, 35mm, and 70mm hot splicers; 16mm, 35mm, 35/32mm and 70mm repair and tape splicers; high-speed inspection projectors; tape punch for cueing.

Personnel: Harry Teitelbaum, Sheldon Kaplan, George Blackhall.

Houston-Schmidt Ltd. Booths 39, 40
1450 O'Connor Drive, Toronto 16, Ont., Canada

Exhibiting: Levitron 35 film processing machine for 35mm film; Super Levitron 16 film processing machine for 16mm film; a demonstration unit

The first truly new 35mm projector in 40 years!!!



Norelco[®] **PULSE-LITE PROJECTOR**

developed specifically for
small and medium size theatres

NO SHUTTER! Flickerless image at high screen brilliance

NO ARC LAMP! Constant, uniform light without carbon adjustments

Meet the remarkable Norelco Pulse-Lite projector. Remember it well because for years it will be the standard for efficient, reliable projection in moderate size theatres, art houses, studios, screening rooms, etc.

This projector is completely different from others. Imagine... its light source is smaller than a cigarette. It doesn't even use a shut-

ter. There's no exhaust system, no rectifier, no generator, no carbons.

The 3" long SPP pulsed discharge lamp, heart of the mechanism, flashes on and off 72 times per second. That's 3 times per frame! Result is an absolutely flickerless image. This lamp is so efficient it produces light only while required for actual projection. A light-devouring mechanical shutter is superfluous.

Another thing about the lamp. It runs at a constant output of light for the duration of

its life. And, when necessary, a new lamp automatically drops into place within a split second! Operating costs with the SPP lamp are much less than they are with carbons.

There's much more to tell you about the Norelco Pulse-Lite projector. Send for complete information now!



A NEW AND IMPROVED ADDITIVE COLOR PRINTER

Automated for high speed laboratory production

The result of seven years of engineering research and development, the Model "C" additive color printer is destined to set a new standard of laboratory quality.



Program Tape Perforator

Operating from pre-punched program tapes, you can now produce internegatives at 60 feet per minute or release prints at 180 feet per minute with fade and color controls which achieve an accuracy never before possible. The exact frame length for a fade or the precise amount of color needed to set a mood or enhance a scene can be programmed for automatic control. Once the "start" button is pressed, full automation takes over and every print delivered by your laboratory has answer print quality.



Program Tape Checker

Color stability is assured through the use of dichroic mirrors to separate the single 1,000-watt light source into three primary beams, each individually controlled through light valves. No longer is the instability of gelatin filters a problem in precise color matching. Your color timer now has a choice of 50 values of .025 log E in each color beam

—all automatically controlled. Twenty-four additional points of .025 log E are available through the manual control in each color to allow for emulsion corrections.

The entire film transport mechanism maintains frictionless film handling from feed reel to torque tight-wind take-up. Internal threading light, controlled key number printing at the aperture, pop-out lamp holder, internally illuminated controls, negative break switch, new tension rollers below the aperture, all contribute to increased efficiency in your printing operation.

All components may be easily serviced or quickly replaced. Light valves are interchangeable and are guaranteed under a new replacement system.



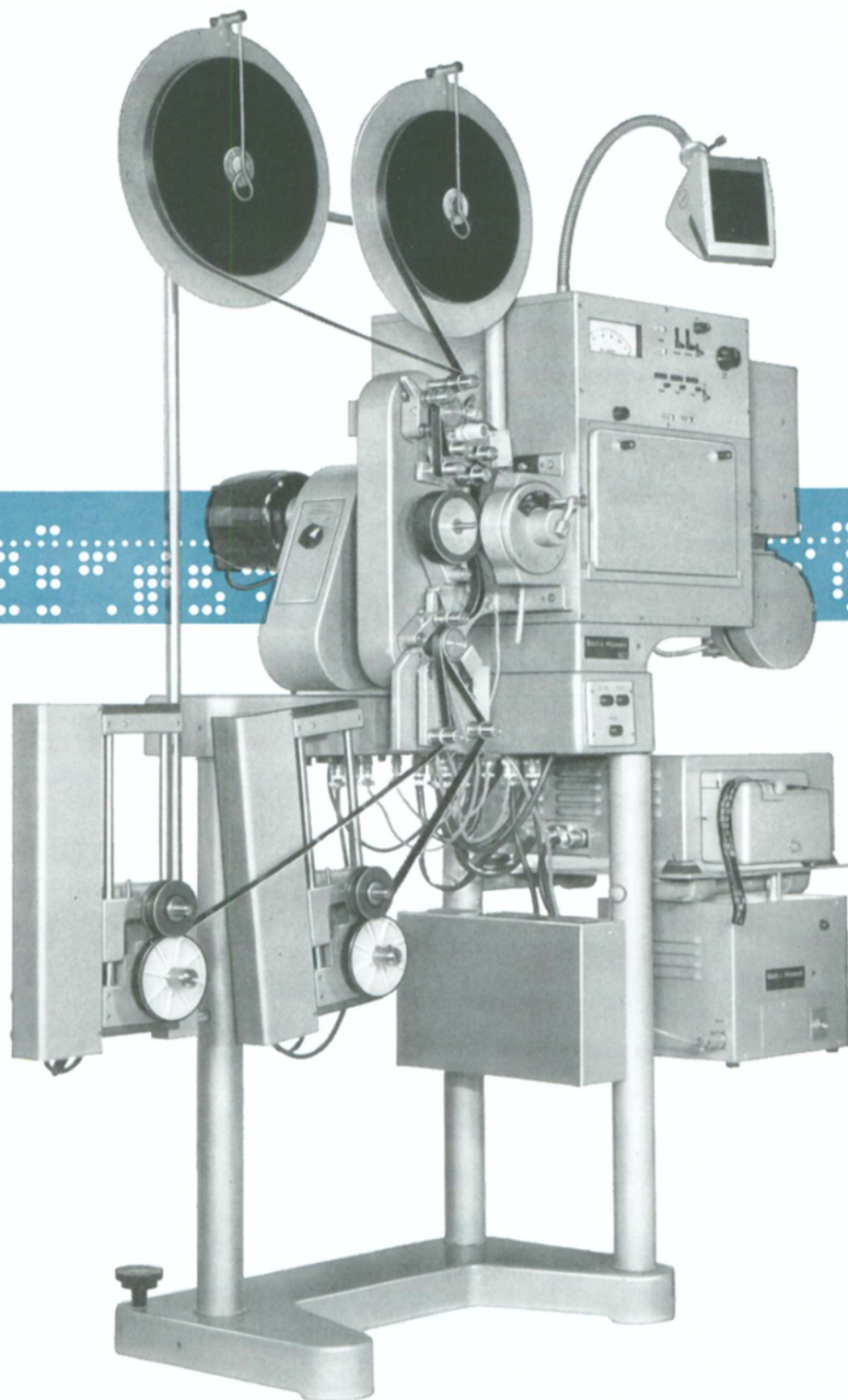
R-F Cue Unit

To learn what this new standard of laboratory quality can do for you, write or call J. L. Wassell, Director of Marketing, Professional Equipment.

Don't delay . . . inquire today while your present printers still have trade-in value!

Bell & Howell

PROFESSIONAL
EQUIPMENT DIVISION
7100 McCORMICK ROAD
CHICAGO 45, ILLINOIS



HERE ARE SOME OF THE MODEL "C" FEATURES

■ Ability to make scene-to-scene color corrections ■ Six fade lengths (16-24-32-48-64-96) separately controllable by pre-punched program tape ■ Zero cut to allow extended scene printing ■ Over 2000-foot capacity ■ Single 1000-watt lamp proximity reflector type ■ Edge light printing separately controlled at aperture ■ Instruments internally illuminated ■ RF cue system available as accessory to supplement standard notch cue ■ Slow-start circuit to prevent film damage ■ Internal air pressure ■ Pre-wired for sound head installation ■ Automatic stop in case of negative break ■ Available accessories include: a tape checker-tape duplicator unit (6173C), 1000-watt rectifier (6160), 16mm, 35mm, 35/32mm soundheads, and RF cue kits (6395).

Other printers available:

Model "MB", Automatic Black & White Printer. This model does not include fader, which is available as an accessory.

Model "MA", Manual Black & White Printer. This model can be updated to model "MB" through addition of an accessory reader.

These models can be converted to the Model "C" at any time.

showing the principle of the Levitron air and liquid bearings used in the Levitron 35, and a demonstration unit showing the principle of the leaderless Super Levitron system of film transport used in the Super Levitron 16.

Personnel: G. Schmidt, K. Fraser, M. Naar.

Lipsner-Smith Corp. Booth 2
3475 W. Touhy Ave., Chicago 45, Ill.

Exhibiting: The CF2 Ultrasonic Film Cleaner which utilizes ultrasonic energy for thorough and rapid cleaning of motion-picture film and magnetic tape without mechanical scrubbing and wiping. The cold boiling effect (cavitation) of ultrasonics performs the entire cleaning operation. Film and tape are touched only by solvent, eliminating the possibility of scratching, abrading or tearing. Forced air, flash dry-off, removes the solvent, leaving no residue. Film and tape emerge clean and static-free with the color balance undisturbed. The CF2 Ultrasonic Film and Tape cleaning process is completely automatic, requiring the operator only to load and unload.

Personnel: I. S. Lipsner, E. A. Smith, E. Werner.

Logos, Inc. Booth 36
1017 New Jersey Ave., S.E., Washington 3, D.C.

Exhibiting: Demonstrations of 16mm films of color

video tape to film transfers, also films of black-and-white tape to film transfers. The Chief Engineer and Assistant Chief Engineer will answer inquiries on color video production and tape to film transfer service.

Personnel: Chief Engineer Charles F. Riley, Assistant Chief Engineer Frank B. Thompson, Sales Manager Richard P. Sullivan.

Magnasync Corp. Booth 8
5546 Satsuma Ave., North Hollywood, Calif.

D. B. Milliken Co. Booth 6
131 North Fifth Ave., Arcadia, Calif.

Exhibiting: 16mm high-speed motion-picture cameras and accessories. In addition, the Model DBM 5B with speeds to 500 frames per second will be featured with the newly developed six-speed transmission and new rackover system permitting alignment and focusing after camera loading. Another Milliken special will be the DBM 25 high "G" compact camera, designed to rigid NASA environmental specifications; and introducing the new Model DBM 35, 35mm double-pin registration intermittent movement, 1000-ft film capacity.

Personnel: T. H. Truesdell, R. C. Kiteley, C. G. Holzapfel.



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YOU will win a golfing Vacation
for TWO in Florida

**COMPREHENSIVE
FILMTREAT**

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New York 19, New York

829 No. Highland Avenue
Hollywood 38, Calif.

**SMPTE
Convention**

April 22-25, 1963
The Traymore,
Atlantic City, N. J.

De Soto Lakes Golf Club and Lodge, Sarasota, Florida.

FLORMAN & BABB INVESTS \$350,000 IN NEW RENTAL EQUIPMENT

*Perfection is a quality of
all of F & B's Rental equipment
... cameras, lenses, sound
recorders, Moviolas, lighting
equipment—or whatever.*

We've told you F & B's rental equipment is MORE RELIABLE. It didn't just happen... we planned it that way. It takes a corps of top technicians, fine tools and precision machinery to properly maintain all this equipment; plus our determination to insure that F & B Rental Equipment is more reliable!



Here we show you Dom Notto, our Chief Engineer, and a portion of our Camera Room and staff. Our other Rental Departments include Sound Equipment, Lighting & Grip Equipment, Editing & Projection Equipment, as well as a fully equipped Machine Shop and Service and Repair Shops for all departments—staffed by 31 experts, technicians, and other personnel—all at your service.

BRAND NEW... R 35 Reflex Mitchells • BNC Mitchells • High-Speed Mitchells • Arriflex 16mm • Arriflex 35mm • Arriflex M 16mm (All Arriflexes equipped with TTH Kinetal Lenses) • Super 1200 Auricons • Pro 600 Auricons • Cine Voices • Moviolas • Nagra Recorders • Magnasync Recorders • Ampex Recorders • Wireless Mikes • Moviola Crab Dollies • Generators

Write for complete catalog of rental equipment.

Serving the World's Finest Film Makers

FLORMAN & BABB, INC.

68 WEST 45th STREET, NEW YORK 36, N. Y. • MU 2-2928

Rental & Service Dept.: 304 W. 54th St., N. Y. 19

Motion Picture Enterprises, Inc. Booth 10
Tarrytown, N. Y.

Exhibiting: Film reels, cans and shipping cases; video tape reels; professional editing and laboratory equipment; Marguet splicers; Motion Picture and TV Service Directory.

Personnel: Herbert R. Pilzer, Sylvia Jarvis, Elaine George.

North American Philips Company Booth 37
100 East 42 St., New York 17, N.Y.

Exhibiting: NORELCO Pulse-Lite for 35 mm. This revolutionary projector requires no exhaust system or carbon arc lamp, has no shutter and projects a 72 image/second picture, completely eliminating flicker. The projector is equipped with dual SPP pulsed discharge lamps, providing a standby. The resulting light beam is the coolest currently available for professional motion-picture projection. Also displayed, one model of the NORELCO 16 mm professional projector, equipped for magnetic and optical sound and complete with 20-w built-in amplifier and two loudspeakers. The projection lamp contains an integral reflector and is dimensioned for the 16 mm aperture. A high-speed pulldown intermittent, coupled with 50° shutter blades, results in a shutter efficiency of 72°. A 12-tooth sprocket is used.

Personnel: Niels Tuxen, Fred J. Pfeiff.

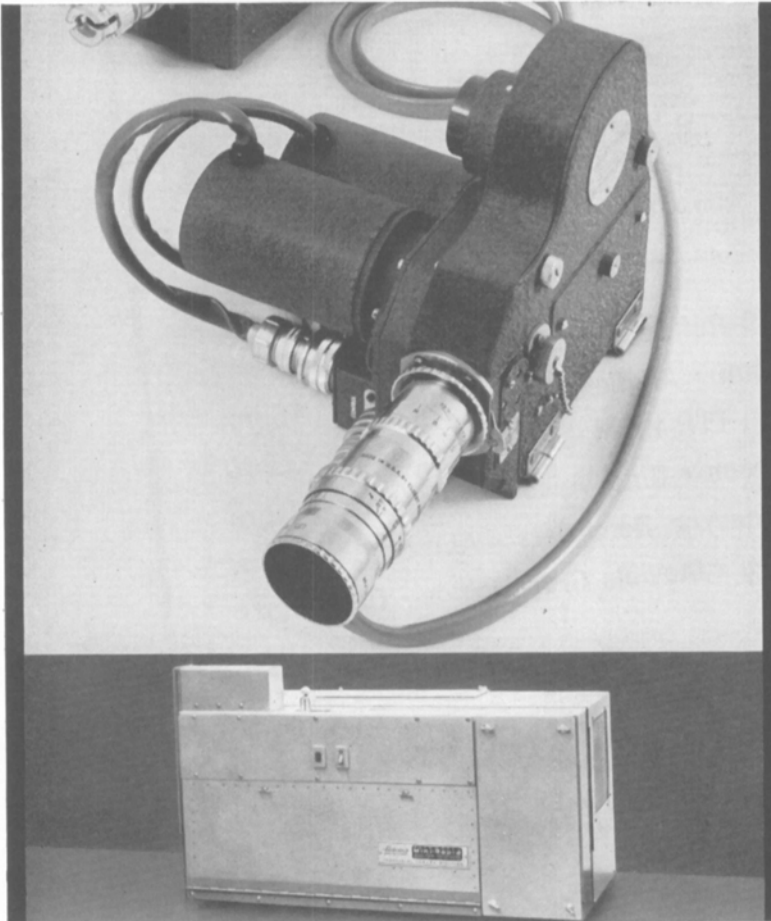
Novatech Corp. Booth 48
282 Seventh Ave., New York 1, N.Y.

Exhibiting: New NOVA TWIN extra compact, lightweight (3½ lb) lighting unit—720 ft c at 10 ft with 3400 K lamp and 630 ft c at 10 ft with 3200 K lamp. Lamp life 35 hr with 3400 K lamp, 200 hr with 3200 K lamp. Accessories include heavy-duty, lightweight stand (3½ lb) adjustable from 31 in. to 9½ ft; barndoor and diffuser frame assembly; diffusers and daylight conversion filters. The NPC models feature interchangeable reflector assemblies, so that basic unit can provide medium beam, medium/broad beam, or broad beam angles. Compact kit available weighing less than 30 lb includes two NOVA TWIN lights, two light stands, extension cords and carrying case.

Personnel: Harold Kovner, Harry L. Parker, Mike Tranchini.

Paillard Incorporated Booth 38
100 Sixth Ave., New York 13, N.Y.

Exhibiting: Macro-Yvar telephoto lens for 8mm and 16mm equipment; 8mm movie camera Zoom Reflex P-2 fitted with Pan-Cinor zoom lens; Bolex Matte Box, consisting of an extendable bellows, precision-mounted in front of the camera lens with removable frames at the rear and front for insertion of a variety of masks; the H-16 REX-2 movie camera with a new viewfinder giving a 1:1 life-size image for extremely accu-



14,000 pictures per second with Fairchild's HS108 camera

(Equipped with eight-sided prism
and high speed motor set)

Speed range 7,000 to 14,000 pps. according to applied voltage. With f/1.9, 76mm lens, in focusing mount. 100 ft. capacity. Two timing marker lamps. Adjustable aperture for 8mm or split 16mm formats. Single motor can be used to achieve lower speed ranges. Dimensions, 8" x 8½" x 7". Weight, 14 lbs.

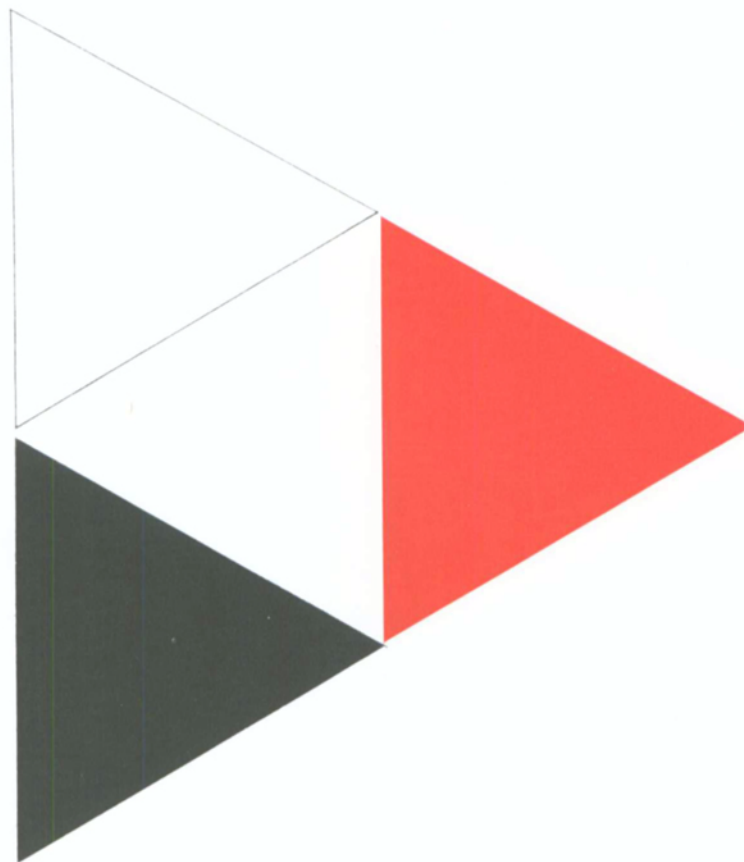
16mm negative processing at speeds up to six feet per minute with Fairchild's F-316A Portable Processor—Processing rate 1 ft./min. to 6 ft./min. can be varied according to emulsion type and density required. Capacity 400 ft., has four 16 oz. tanks. Chemicals pre-mixed and pre-measured. Double controls for solution and wash tanks. Daylight, leaderless loading. 13" x 13" x 27". Weight 65 lbs.

Write today for your free copy of Fairchild's complete Data File on High Speed Cameras and processing equipment. All prices and detailed specifications included.

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INDUSTRIAL PRODUCTS

A DIVISION OF FAIRCHILD CAMERA AND INSTRUMENT CORPORATION
580 MIDLAND AVENUE, YONKERS, NEW YORK.



**TRI ART FOR COLOR
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OVER 40 YEARS IN THE BUSINESS! Tri Art or Du Art offers you fast, dependable service, the highest quality film processing, the most complete facilities. And a knowledge based on more than 40 years of experience.

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rate focusing; the Bolex K-1 motion-picture camera featuring automatic exposure control governed by a photo resistor, giant reflex viewfinder incorporating fine-grain ground glass critical focusing, and a zoom range from wide-angle to telephoto close-up.

Personnel: Ernst Wildi, Charles Huettenmoser.

Photographic Applications, Inc. Booth 32
160 Merricks Road, Mineola, L.I., N.Y.

Photo-Sonics, Inc. Booth 18
Suite 201
95-25 Georgia Ave., Silver Springs, Md.

Precision Laboratories Div. Booth 11
Precision Cine Equipment Corp.
928-930 E. 51 St., Brooklyn 3, N.Y.

Exhibiting: Precision Sound Readers, optical and magnetic; Precision Unitized Synchronizers; power film slitters; film slitter and editing equipment.

Personnel: Erwin R. Sheldon.

Quick-Set, Inc. Booths 19, 20
8121 N. Central Park, Skokie, Ill.

Exhibiting: Super Quick-Set, Samson, Hercules, and Gibraltar complete lines of tripods, pedestals,

pan heads, console units, dollies, etc., for photographic, television, remote control, high-speed or instrumentation usage; units capable of handling loads from 5 to 200 lb on pan heads and elevators, and 500 lb on tripods. The units include $\frac{3}{4}$ and full length, with or without elevators, pan heads incorporating friction and/or geared controls. Accessories include Pelco adapters, special apparatus for easier attachment of heavy cameras, and Lo-Hi units, plus motorized or hand-operated elevator columns.

Personnel: A. J. Briglia, Paul C. Mooney.

Shiba Electric Co., Ltd. Booth 27
Export Section
Hibiya-Kaikan Bldg., 20, 2-chome
Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan

Exhibiting: Transistorized TV broadcasting equipment including: a fully transistorized, compact and light-weight vidicon camera chain, comprising one camera head and one camera control unit. The power consumption is only 80 w and the camera control unit occupies very little rack space. Features include self-contained automatic gain and set-up control. An automatic opaque projector with two drums having adhesive plates rotating 180° alternately and two card holders moving up and down alternately. The cards, as they come in contact with the drums, are held by vacuum suction and thus projected. A one-way system permits cards to be easily inserted or taken off during operation. Use of 20-w fluorescent lamps for each stage keeps

Nanosecond
KERR CAMERA SYSTEMS

"FASTEST SHUTTER IN THE WEST - OR ANYWHERE ELSE"
FOR PHOTOGRAPHY OF: Lasers • Hypersonic Wind Tunnels • Explosives and Ballistics • High Velocity Particles • Exploding Wires • Plasma and Thermonuclear Experiments

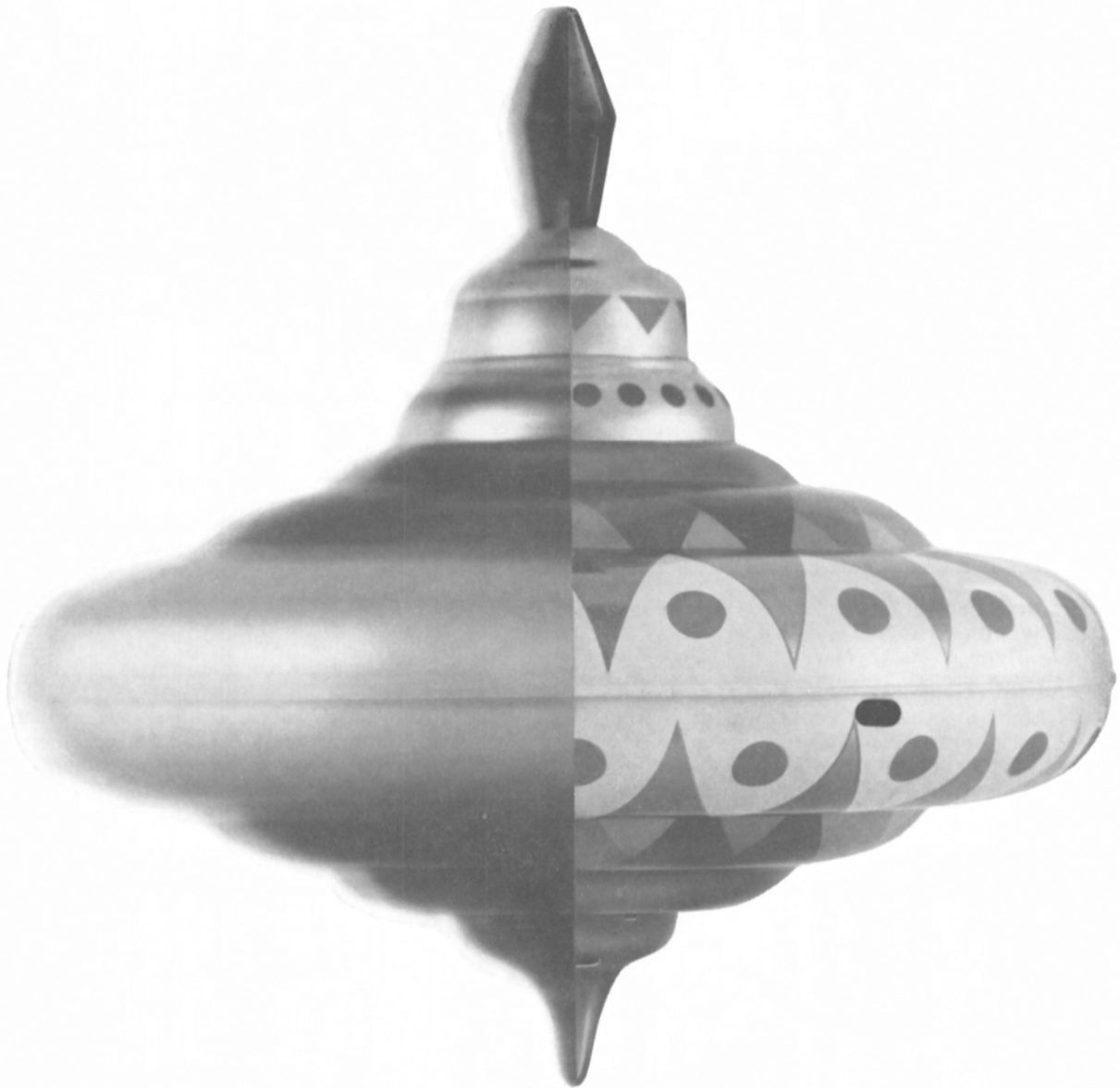
Kappa Scientific Corporation's Kerr Camera Systems are improved versions of the 5 nanosecond Kerr shutter originally developed for Government research laboratories. The design combines optimized pulse circuitry with standard electronic components for easy servicing and integration with other laboratory equipment. The basic system consists of a camera equipped with Kerr shutter; a high voltage pulse generator which operates the Kerr shutter; a high voltage power supply; and a synchronizing pulse generator.

A water-white Kerr cell that passes blue and near ultra-violet light is now being developed for this system and will be available in coming months. A bulletin explaining this system in detail is yours for the asking. Write for it today.

Kappa's staff is available to assist in applications of this system as well as to engineer the unique in electro optics for your particular requirements. We also have a broad line of **LASER** products. Write for our catalog.



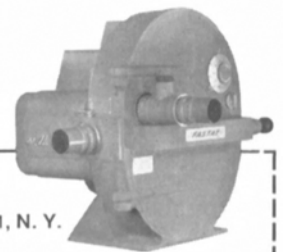
KAPPA SCIENTIFIC CORPORATION 49 South Baldwin Avenue / Sierra Madre, California / 356-1614



MOTION STOPPED COLD!

A whirling top . . . a soaring missile . . . a revolving motor . . . all are blurs of motion that can be stopped *cold* by Wollensak FASTAX high speed motion picture cameras. Take pictures at speeds from 150 to 18,000 frames per second. Project them sharp and clearly at 16 frames a second. Motion "freezes." This is how R/D engineers pinpoint design or mechanical faults early . . . correct them before they become costly manufacturing errors.

Now there's a FASTAX camera to fit every requirement. 30 models . . . 8, 16, 35mm sizes...motion picture, oscillo-streak or a combination of both.



3M WOLLENSAK DIVISION
REVERE CAMERA COMPANY
725 HUDSON AVE., ROCHESTER 21, N. Y.

Please send me your

- Brochure F100 on High Speed Photography
- Folder showing camera models and capacities

Name

Company

Address

City Zone State

3M Wollensak Division
REVERE CAMERA COMPANY
ROCHESTER 21, N. Y. • A SUBSIDIARY OF 3M COMPANY

power consumption below 150 w. A synchronizing signal generator is fully transistorized, compact and light weight, with specifications meeting RETMA standards. Power consumption is 16 w, a-c or d-c. A high-quality picture and waveform monitor with a self-contained power supply requiring only 100 w.

Personnel: Y. Hirano, K. Nonokuchi.

S.O.S. Photo-Cine-Optics, Inc. Booth 1
602 W. 52 St., New York 19, N.Y.

Exhibiting: S.O.S. equipment, including data reduction editor; TV newsroom Projectola editing/timer outfit; Tel-Animastand II; a new type folding body brace camera pod; Transist-O-Sound for Auricon cameras; Tel-Amatic Bolex 400-ft conversion; Timber Topper light poles; action viewers and sound readers.

Personnel: Dom J. Capano, Joseph A. Tanney, Alan C. Macauley, Claude C. Pitts.

Sylvania Electric Products, Inc. Booth 35
Photolamp Division
730 Third Ave., New York 17, N.Y.

Exhibiting: Advanced models of the Sun Gun Professional Light together with control devices to make this equipment a completely versatile, integrated system of lighting.

Personnel: Edward A. Gilchrist, Al Gordon, P. J. Fitzsimmons.

Wollensak Division Booth 31
Revere Camera Co.
850 Hudson Ave., Rochester 21, N.Y.

Exhibiting: Fastax WF-30, 16mm, 1200-ft high-speed camera; Fastax WF-8A, 35mm 400-ft high-speed camera; Fastax WF-17, 16mm 100-ft high-speed camera; 40-in.-8-in. dual lens system; 18-in.-4½-in. dual lens system; WF-367 film processor; WF-326B Fastax Tripod; WF-326C heavy duty Fastax tripod; WF-357 100-ft event timer; WF-371A 400-ft split film spool.

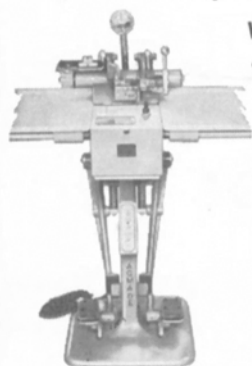
Personnel: Fred Emens, Ed Wollensak, Jack Krone-myer.

Zoomar, Inc. Booth 13
Sea Cliff Rd., Glen Cove, N.Y.

Exhibiting: The latest development in mirror optics, the Zoomar 40-in. Reflector *f*/5.6, completely weatherproof, with a new type reticle projector; remote control 40-in. Zoomar Reflector (mirror optics); Angenieux lenses for vidicon and image-orthicon cameras with servo drives by Evershed Power-Optics, with zoom range of 1:10; motorized ITV Zoomar lenses, Mark III, Mark IV, Mark VI, and Mark X; also other special 16mm and 35mm zoom and standard Angenieux lenses for professional motion-picture cameras.

Personnel: Walter Steuer, A. Dorman, H. B. Freund, Bill Pegler (Television Zoomar Co.).

Acmaade Foot-Operated Splicer
with Tungsten
Tipped Blades



Combination
16mm-35mm
Model
\$1495

This splicer is constructed, as is usual with ACMADE products, of the finest materials and workmanship. All castings are of the best quality and the top body and cutter arms are seasoned to prevent distortion after machining. The machining is carried out to limits of $\pm .0005''$ in order that the cutter blades shall close in a dead parallel manner. The cutter blades are made from stainless steel with Tungsten Carbide inserts, and afterwards ground lapped and polished to a limit of $\pm .0002''$ thickness and the cutting edges relieved by 1° . The Tungsten Carbide inserts will have indefinite life and will not require sharpening as with other types. A heater unit is installed in the top body of the machine. The top light in a well glass fitting is attached to the body of the machine and also an inspection light in the waste bin together with cement bottle and brush. A scraper block is supplied and also a scraper block setting jib and support shelf rubber-covered. The whole machine is finished in first quality grey hammer and all metal parts other than cutter blades are hard flash chromed.

ACMADE MARK II
EDITING TABLE



\$3295
f.o.b. New York

Makes Editing Easy!

Operation of this simple, efficient editing machine can be mastered in minutes. Continuous movement provides absolute safety for your film. Instant controls and de-clutching allows up to 50% increase speed and efficiency in editing. Any combination of 2 or 3, 16mm or 35mm channels, plus magnetic and optical sound available.

WRITE FOR DETAILED BROCHURE

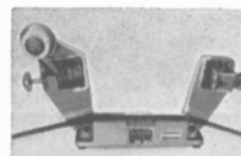
Serving the World's Finest Film Makers

FLORMAN & BABB I N C.
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Another Fine Product From ACMADE

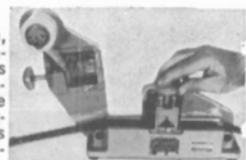
AUTOMATIC BUTT SPLICER

Cuts, Splices, Applies
Magic Mylar Automatically!



Now, with no fuss, mess or waste, it is possible to splice, repair, butt-splice, or strengthen splices on all types of film—positive, negative, magnetic — even duPont Cronar or other bases.

The cutting arm, shown in operating position, is used by pressing the chrome button for cutting both sides of the film simultaneously.



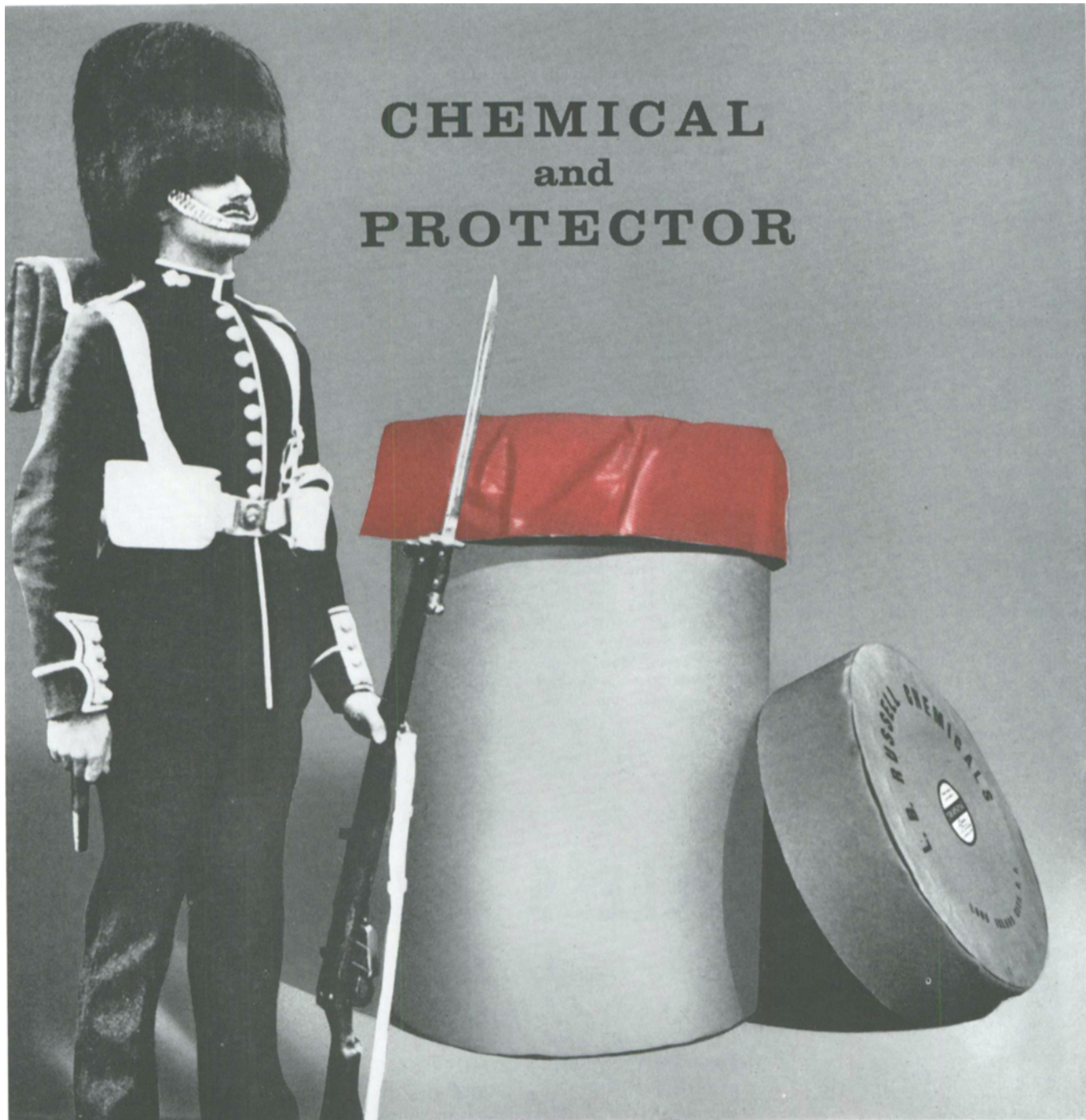
The film, has been registered on pins in the horizontal channel. The cutting blade is easily replaced.



The splicing tape is registered on precision pins and held in place until automatically applied to the film by swinging the arm over and pressing the chrome button, cutting the adhesive and applying it — in perfect register to the film.

Model 35 for 35mm. Model 16 for 16mm—\$295

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