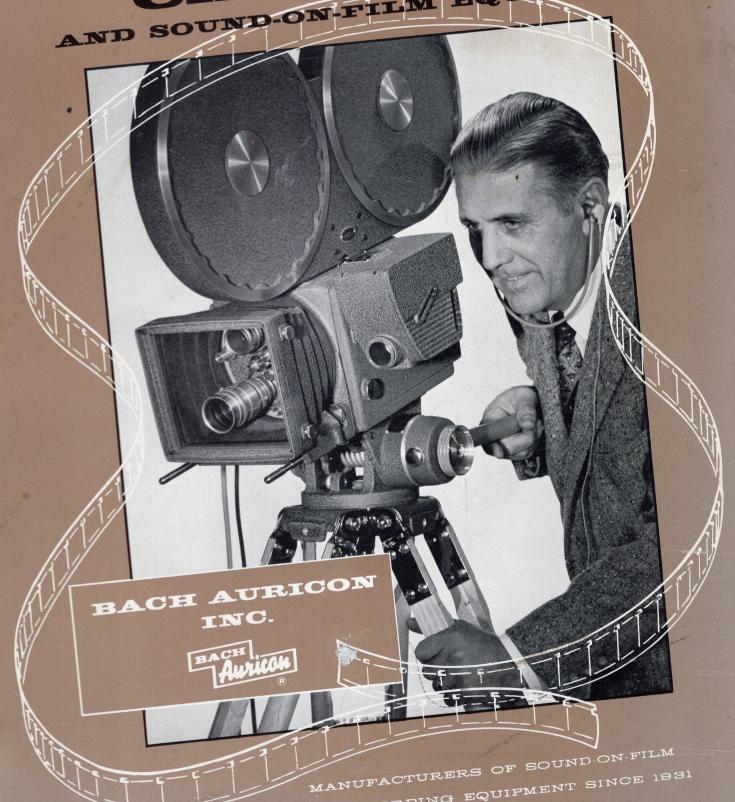


AND SOUND-ON-FILM EQUIPMENT



RECORDING EQUIPMENT SINCE 1931



The Auricon 16 mm Sound-On-Film Equipment shown in this catalog represents the result of continuous research and development since 1931.

It is common practice to design sound motion picture equipment of the Hollywood-studio type without regard for size, weight or cost, because it is handled by a crew of men with a truck, and cranes are used to manipulate the camera.

However, 16mm Talking-Picture Equipment is usually carried by one or two men who also handle the photography and sound recording — a rather different picture from Hollywood-studio practice. Also, many people who use this 16mm equipment do not operate with unlimited budgets.

Therefore, we have concentrated all our efforts on producing a line of Auricon 16 mm Talking-Picture Equipment which is light and portable, and simple to operate. This has been done without sacrificing quality of sound or picture.

A need exists for this type of equipment, as is proven by the fact that these Auricon units are now in use all over the world, producing good commercial sound-on-film pictures with reasonable equipment cost.





Sound Recording, Winding B." Photo dealers have it at exactly the same price as silent film. With the "Cine-Voice" you get

the Optical Sound-Track free!

EDUCATIONAL AND INDUSTRIAL

The "CINE-VOICE II" IS COMPACT and PORTABLE...

...easy to handle...easy to operate!

SOLD WITH A 30-DAY MONEY-BACK GUARANTEE, YOU MUST BE SATISFIED!

Optical Sound is recorded in the "Cine-Voice" Camera automatically synchronized with the picture. This Optical-Sound film can be threaded in any 16mm sound projector, with speech and music played back in perfect synchronism, when the film is returned after processing. If splices are made in the "Cine-Voice" film, the sound and picture remain in perfect synchronization, just as Hollywood Feature-Pictures do in your neighborhood Theater.

- "Cine-Voice" Camera Carrying Case also holds Camera accessories and spare film. Case is of trunk construction, high-quality black fibre stretched over sturdy plywood. Lined in dark red velvet.
- Choice of Single Lens-Mount, or professional heavy-duty 3-lens Turret, for "C-Mount" lenses.
- Meter indicates optical "Sound-Track Exposure"; checks "A" and "B" Batteries.
- 4 Microphone Volume-Control Knob.

- lade in the "Cine-Voice" film, the sound and picture remain in perfect ynchronization, just as Hollywood Feature-Pictures do in your neighbor-
 - Professional Headphones, best for "on-the-scene" monitoring. Provides good acoustical-coupling to your ears. Also does not muss up hair; can be worn with a hat, etc.

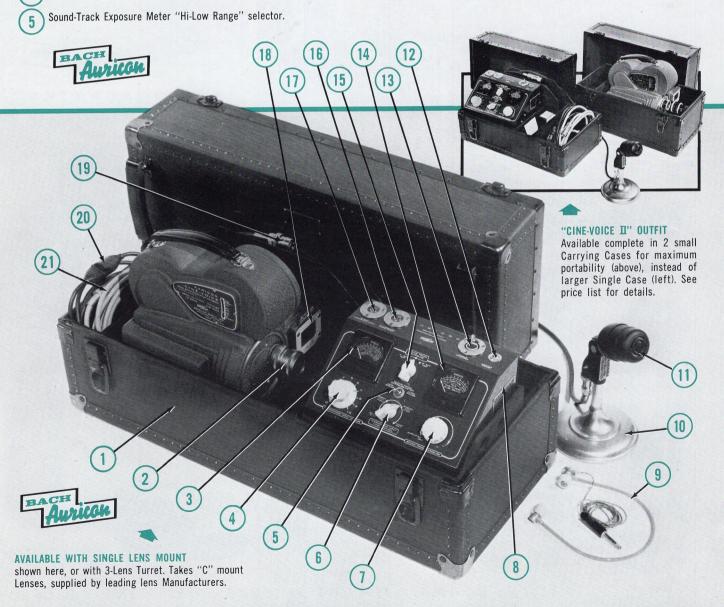
Sound-track exposure-control Knob, used with Meter 3

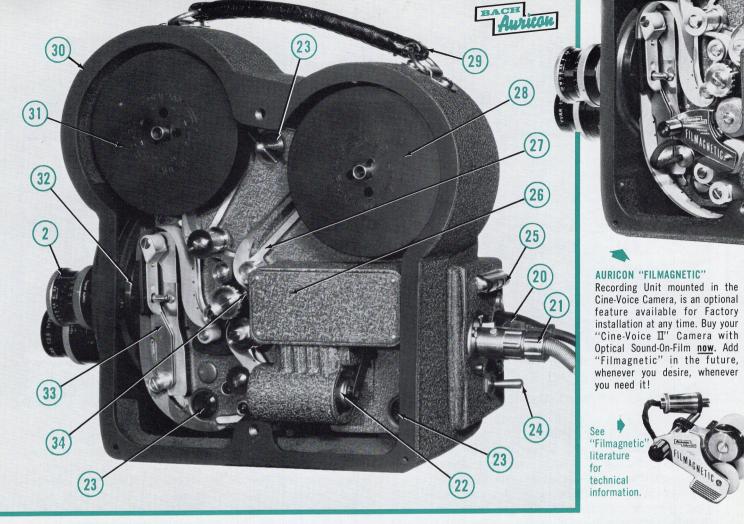
"Speech Only: Speech With Music; Singing with Music; Music Only"

Microphone Desk Stand (can also be hand-held).

control for high-fidelity recording results.

- Auricon Model E-6 High-Fidelity dynamic Microphone with professional non-reflecting dull-black finish.
- (12) Output-Jack for monitoring Headphones.





AURICON "CINE-VOICE II"

A Precision Camera...with High-Fidelity Sound!

- (13) Sound Output to Camera.
- Visual sound-recording volume-indicator Meter.
- Switch reads "Sound-Track Exposure" or "A" and "B" Battery test on Meter (3).
- (16) Phonograph-Pickup Input on Amplifier.
- Microphone-Input on Amplifier.
- "Large-Picture" Finder with parallax adjustment covers 13mm wide-angle Lens, with professional-type transparent amber-color plastic Mattes inserted into Finder to indicate 17mm wide angle Lens, 1 inch Lens (25mm), 2 inch and 3 inch telephoto Lenses, etc.
- 50 ft. professional Microphone-Cable conveniently carried on Reel provided.
- 20 Camera-Motor molded-rubber Connecting-Cable.
- Camera to Amplifier Cable, connecting optical sound-recording Galvanometer 26.
- "General Electric" optical sound-track Exposure-Lamp is prefocused for easy replacement without tools.
- Camera Mechanism is mounted on Neoprene-rubber cushions for quiet running. No Camera noise is picked up by the recording Microphone (1).
- "On-Off" Switch for constant-speed Camera-Motor (or synchronous motor at extra charge), which operates from 115 Volt A.C. house current, or portable Power Supply.

- Camera runs so quietly, this Red Warning Light is used to show Motor is running.
- Recording Galvanometer and Optics for high-fidelity optical soundtrack. Requires no adjustments, ever; is shockproof and rugged as your telephone receiver.
- Film-path clearly indicated for easy threading.
- 28 Camera takes 100 ft. spools for daylight loading film for scenes running as long as 2¾ minutes of continuous recording.
- (29) Metal-reinforced leather carrying Handle.
- Rugged, light-weight, solid aluminum body, precision machined, is lined with Neoprene-rubber for whisper-quiet film-flow during recording.
- 31 Uses Ansco, DuPont, Eastman Kodak, Black & White or Natural-Color Film, single-perforated for high-fidelity optical sound-track recordings. (Use same films "pre-striped" for "Filmagnetic" high-fidelity recordings.)
- Film in Camera Aperture runs over stainless-steel Balls, thus preventing film-emulsion pickup and insuring sharp, in-focus pictures always. U.S. Patent No. 2,506,765.
- 33) Self-engaging intermittent Film-Pull-Down of case-hardened and tempered steel, precision ground to size, for rock-steady pictures. Designed for whisper-quiet film-flow.
- Recording-Sprocket teeth are machine-cut on Zeiss Optical-Dividing-Head, to insure high-fidelity sound recording.

WITH "CINE-VOICE Π " YOU CAN SHOOT ANY PICTURE, ANYWHERE...

... Easily, Expertly & Economically, in Sound and Color!







TELEVISION

INDUSTRIAL

EDUCATIONAL

HOW THE "CINE-VOICE II" WORKS ... The optical sound-track, made by the Camera, is photographed along one edge of the film in place of a row of sprocket holes, by a "Galvanometer" which is an instrument having electric "voice-coils" for moving a tiny mirror in accordance with the amplified sound waves being picked up by the microphone. As this tiny mirror swings back and forth, a vibrating beam of light is reflected from it onto the moving film, and the steady flow of the film causes this beam of light to stretch out and take the shape of sound waves in photographic form as a film sound-track.

TECHNICAL NOTE: We do not recommend that the Cine-Voice Sound-On-Film Camera be re-built with oversize film magazines to run more than 100 ft. of film. The Cine-Voice Sound-Recording mechanism and film-flow is balanced for 100 ft. film take-up, and the added take-up pull on the Sound-Recording Sprocket, necessary to handle more than 100 ft. of film, will seriously unbalance the film-flow filter-drive system, often causing unreliable Camera operation and poor sound recording!

If more than 100 ft. film capacity is desired, we suggest using the Auricon "Pro-600" or "Super 1200" Cameras.



NEW PROFESSIONAL TURRET of "Cine-Voice II" manufactured to highest

precision standards and designed to take heavy-weight professional "C-Mount" lenses; can also be locked in place to mount heavy zoom-type lenses, as shown

PORTABLE POWER-SUPPLY UNIT, MODEL PS-15 . . . Shoot sound pictures anywhere a car can go, using the "Cine-Voice II" Portable Power Supply. Clips to your 6 or 12 volt car battery and furnishes 115 volt, 60 cycle, A.C. for driving the "Cine-Voice II" Camera-Motor when house current is not available. Complete in carrying case, measures 15" x 6" x 6" and weighs only

11 pounds!





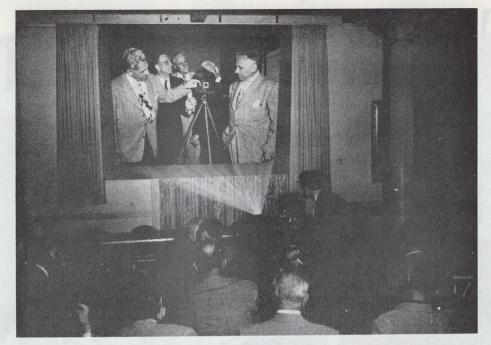
A PRODUCT OF

BACH AURICON, Inc. Hollywood 38, California



MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931

SOLD BY:



CRITICAL AUDIENCE, among them some of the movie industry's top directors of photography, watch screening of movies of themselves, photographed earlier same evening at the A.S.C. clubhouse in Hollywood. Berndt-Bach, Inc., staged event to demonstrate Cine-Voice camera.

Cine-Voice Demonstrated For A.S.C.

The Men Behind the cameras were shown how they looked before the camera at the June meeting of the American Society of Cinematographers. As a combination equipment demonstration and program innovation, Berndt-Bach, Inc., makers of Auricon cameras and sound equipment, sent technicians and cameramen to the A.S.C. clubhouse with two of the new Auricon Cine-Voice 16mm. single system sound cameras and made movies in sound of the cinematographers.

Camera setups ranged from simple shots picturing groups of A.S.C. men examining Auricon equipment, to scenes of the presentation of Picture of the Month plaques to Charles Rosher, Leo Tover and Milton Krasner by A.S.C. veepee Arthur Edeson, subing for president Ray Rennahan who was absent.

Films were then rushed to the local

Cine Craft laboratories for quick processing and returned before close of meeting and screened. The demonstration aptly displayed the potentials of the new, popular priced Cine-Voice sound camera, introduced earlier this year as a new tool for advanced movie amateurs, television newsreel and film producers, and industrial firms wishing to make their own instructional and promotional films in sound.

The camera, engineered with the same precision and finish that go into its big brothers, the Auricon-Pro and the Auricon 1200 cameras, takes 100 foot rolls of daylight-loading film. Although the standard model is a single-lens job, a turret front accommodating three lenses may be had at slight additional cost. The sound channel is compact and sufficiently light in weight to allow it to be carried easily along with the camera. For travel-

ing, camera, amplifier, mixer, etc., fit into one compact carrying case.

Charles Short, who did the photography on the A.S.C. demonstration reel and Al Brown, who handled the sound demonstrated the ease with which a crew of two can make professional motion pictures with this Auricon equipment. Before a critical audience of the industry's top directors of photography, subsequent screening of the film revealed excellent pictorial results—a steady picture with sharp focus throughout every scene. The sound, from a technical standpoint, was perfect.

Cine Craft laboratories' fast processing gave many of those present their first demonstration of results of this new film finishing technique, which has made possible the production of speed films for television such as newsreels and racing results.



CAMERAMAN Charles Short shoots A.S.C. members with one Cine-Voice camera while they examine features of another and discuss its merits.



SHORT and sound-man Al Brown get set to shoot presentation of "Picture Of The Month" Awards to Charles Rosher, Leo Tover and Milton Krasner.



The Happy Wanderers

Screen Guide
August, 1950



Ty's just as skilled behind a camera, for picture-taking's his number 1 hobby! And Ty uses a break between scenes to shoot some reels on Manila location. A favorite pastime of the Powers is showing such films to friends. Ty loves traveling because he likes people, and warm welcomes show people love him, too.

THE MIRROR - LOS ANGELES, WED., AUG. 2, 1950



AT THE FRONT—United Nations combat scenes direct from the Korean front are filmed for KTIV by Cameraman Charles de Soria. De Soria's lens work is seen on the "KTIV Television Newsreel" screened Monday through Friday at 7:30 and 10 p.m.







BACH AURICON, Inc.

8950 Romaine St., Hollywood, Calif. 90038



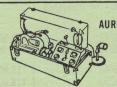
NOVEMBER 1, 1974

AURICON "CINE-VOICE II" CAMERA

MODEL CM-72A

AURICON PRICE LIST CINE-VOICE SECTION

Page 1



AURICON CINE-VOICE II CAMERA, MODEL CM-72A, for single "C" Mount Lens (less Lens) complete with Finder covering 13mm wide-angle lens, plus Mattes for 17mm, 1", 2" and 3" lenses, Variable-Area Optical Sound-on-Film Recording Galvanometer, matching Model RA-31-AD7 Amplifier, Model E-6 "High Fidelity" Microphone, 50 ft. Microphone Cable, Microphone Deskstand, Headphones, Tubes, Batteries, Connecting Cables, Spare Exposure Lamp, and Instruction Book. Professional heavy-duty Fibre-covered Carrying Case holds Camera, Amplifier and Accessories.

Net weight 47 pounds...Single-Case "Variable-Area" Outfit

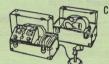
\$ 1,595.00



CINE-VOICE II CAMERA (less lens) as described above, but complete with Galvanometer for recording Variable-Density Optical Sound-on-Film with matching RA-31-AD7 Amplifier.

Net weight 47 pounds...Single-case "Variable-Density" Outfit.

\$ 1,625,00



CINE-VOICE II CAMERA (less lens) as described above, but in two separate professional heavy-duty, Fibre-covered Carrying Cases. Both Camera-Case and Amplifier-Case have compartments for Accessories.

> Net Weight 60 pounds... Two-case "Variable-Area" Outfit. Net weight 60 pounds... Two-case "Variable-Density" Outfit.

\$ 1,679.00 \$ 1,704.00



CINE-VOICE II CAMERA WITH SINGLE-LENS-MOUNT, and Galvanometer only, for use with Model RA-31-AD7 Amplifier, but less Amplifier, Lens, Carrying Case or accessories.

Net weight 12 pounds... "Variable-Area" Camera

\$ 1,470.00 \$ 1,495.00

Net weight 12 pounds... "Variable-Density" Camera.



CINE-VOICE II (silent) CAMERA ONLY, with Single-Lens-Mount, less lens, Galvanometer, Amplifier or Carrying Case. Furnished with constant-speed motor and 115 Volt A.C. Connecting Cord (for shooting pictures without sound). Net weight 11 pounds. \$ 1,198.00 (For "double-system" sound recording, using separate synchronous magnetic or optical Sound Recorder for sound-track only, Cine-Voice II Camera must be ordered equipped with a synchronous motor at \$154.00 additional, so that picture film made with Camera will synchronize with sound-track film made with Recorder. See listing below.)

CINE-VOICE II CAMERA with zoom-lens door, in place of finder door.

\$ 1,180.00

AURICON CINE-VOICE II CAMERA (MODEL CM-72A) FOR SINGLE "C" MOUNT LENS (less lens) complete with optical Sound-on-Film Recording Galvanometer, MATCHING MODEL NR-25 NOISE-REDUCTION TYPE AMPLIFIER, Auricon E-6 "HighFidelity" Microphone with 50 ft. Cable, Microphone Desk stand, Headphones, all Tubes, Batteries, connecting Cables, and Instruction Book. Includes two professional heavy-duty, Fibre-covered Camera and Amplifier Carrying Cases with compartments for accessories.

NOTE: "Noise-Reduction" on optical sound-tracks reduces the background noise (which is like needle-scratch on a phonograph record) when the film is played on a sound projector.

Net weight 641/2 pounds..."VARIABLE-AREA" OUTFIT with Modulite Galvanometer, Model "S," having Noise-Net weight 64 pounds... "VARIABLE-DENSITY" OUTFIT with Model T-70-D Galvanometer and Recording Optical

NOTE 1: All above prices include the Cine-Voice II Camera equipped with single-lens mount (to accommodate standard "C" mount lenses) and constant-speed motor (for single-system sound-recording). If Cine-Voice II 3-Lens Turret, or Synchronous

Motor for double-system optical or magnetic sound-recording is desired, please order as optional factory-installed equipment, at prices shown below.



(NCHRONOUS MOTOR, installed in place of constant-speed motor in Cine-Voice II Camera, complete with power-cord in-line\$ 154.00 Transformer (additional cost when ordered with new Cine-Voice II Camera at factory)

COST TO CONVERT existing constant-speed Cine-Voice II Camera to Synchronous Motor Drive, complete with power-cord in-line Transformer

\$ 190.00



3-LENS TURRET, furnished in place of Single-Lens Mount, takes three "C" mount lenses. Includes Turret-Lock-Knob to prevent accidental rotation of Turret when an extra-heavy Telephoto or "Zoom" Lens is being used on the Turret. Cost of Turret \$ 187.00 (less lenses) when ordered as original equipment with new Cine-Voice II Camera at factory..... COST TO FACTORY-INSTALL 3-LENS TURRET (less lenses) on existing single-lens-mount Cine-Voice II Camera, Model CM-72A . \$ 215.00

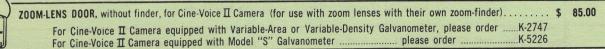
AURICON PRICE LIST

Page 2



AURICON MODEL PS-15 PORTABLE POWER-SUPPLY UNIT, in Fabricoid-covered "Self-Blimped" Carrying Case for noiseless operation when used in the sound recording Studio or on Location. Generates 115 volt AC power to run Cine-Voice II Camera from Automobile battery. Spring Clips are provided for connecting to 6 volt or 12 volt battery. Provides exact frequency to run camera at its correct sound-speed. Does not vary in frequency output like most commercial DC-AC converters. Net weight 11 pounds.

To run 115 volt, 60 cycle, Cine-Voice II Camera from 6 volt battery, please orderK-6247	\$ 108.50
To run 115 volt, 50 cycle, Cine-Voice II Camera from 6 volt battery, please orderK-6249	\$ 118.00 \$ 118.00



FOCUSING PRISM & MAGNIFIER for use with Cine-Voice II Camera. Prism slips into Camera gate in place of film without use of tools. Provides critical ground-glass full-frame focusing and shows enlarged image of picture in Camera gate, for lining-up and focusing titles, TV picture-tube images, photomicrography, etc., after which the Prism is removed and film

50.00

MICROPHONE WIND-SCREEN, for Auricon Microphone E-6 or E-7. Eliminates wind-noise rumble in your recordings when \$ 15.00 working outdoors on a windy day. Net weight ½ oz.

MICROPHONE EXTENSION-CABLE, 50 ft., with Connectors (Please specify Amplifier Model Number when ordering). Extends standard 50-foot Auricon Microphone Cable to 100 ft. overall length. Net weight 2 pounds

STEP-DOWN TRANSFORMER is available to run 115 volt Cine-Voice II Camera motor from 220 volt A.C.

Net weight of Transformer 4½ pounds. Can be used for both 50 or 60 cycle A.C. K-4142 \$ 23.50

NOTE 2: All Cine-Voice II Cameras are available with either 50 cycle or 60 cycle 110 volt A.C. motor. Please specify frequency wanted, when ordering.

NOTE 3: See Auricon General Price List for C-Mount or Zoom Lenses to fit Cine-Voice II Camera.

NOTE 4: All Cine-Voice II Cameras are factory-equipped with mounts to accommodate the Auricon Filmagnetic System.

NOTE 5: Prices Subject to Change Without Notice.

MAIL YOUR ORDER TO: BACH AURICON, Inc.

6950 Romaine Street

Hollywood, California 90038 (U.S.A.)

(We also specialize in World-Wide Insured-Safe Export Shipments)

Telephone:

(213) 462-0931

Telegram Address: BACH AURICON

FAX, Hollywood, Calif.

Cable Address:

BERNDTBACH,

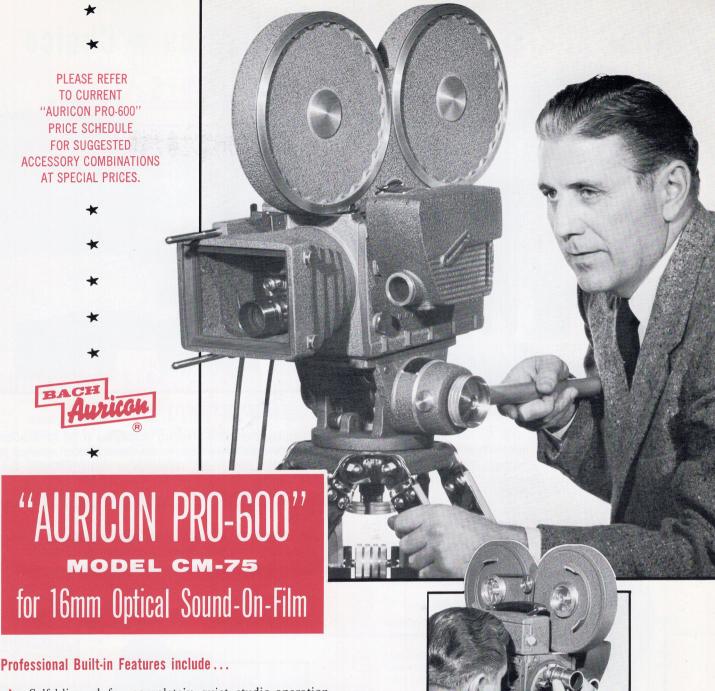
Hollywood, California (U.S.A.)





MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931





- Self-blimped for completely quiet studio-operation. The whisper-quiet film-flow of the "AURICON PRO-600" is silent proof of precision design. Your sound-recording microphone never picks up camera noise, when you are using a "PRO-600."
- Synchronous Motor Drive for "Single-System" or "Double-System" Recording, at standard Sound-film speed of 24 frames per second.
- Auricon-Electromatic Take-up provides completely dependable film-flow without friction-clutches or slipping belts. A small amount of tension is applied to the "take-up" spool of film even when the cameradrive-motor is turned "off." This keeps the film-loops tight between the recording-sprocket and the take-up magazine, insuring dependable film-flow and take-up at all times.

For a complete list of other "built-in" features, see the current "AURICON PRO-600" Price Schedule.

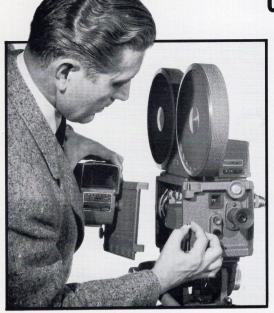
Critical Ground-Glass Focusing available on the 3-Lens Turret Model of the "AURICON PRO-600."

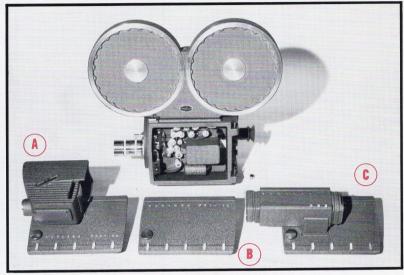
Every Cameraman has different requirements, so the "AURICON PRO-600" offers many combinations of accessory equipment.

Accessories which are not "built-in" features, are listed in the Price Schedule, and include interchangeable Camera-Doors, 3-Lens Turret, Lens-Turret "Blimping" Hood, Sun-Shade, Critical Ground-Glass Focusing, Tele-Finder Optical System for filming with Telephoto Lenses, and several choices of Optical Sound-Track-On-Film Recording-Galvanometers and Auricon Amplifiers.

The "AURICON PRO-600" offers you a Choice

of 3 Finder Doors...





INTERCHANGEABLE FINDER DOORS ...

A "PRO-600" Camera Door with Auricon Finder

A or C is easily interchanged with a
"Zoom-Lens" Door B without the use of
tools, by means of a thumb-nut 6 on the
Camera-Door hinge. This permits the use of a
"Zoom-Lens" (with its own interlocked "Zoom"
Finder) on the "PRO-600" Camera whenever a
"Zoom" shot is required for an individual scene.

VIEW-FINDER FLEXIBILITY WITH ACCURACY...

Precision hinge-pins, together with a precision locating-pin at the Camera-Door lock, provide accurate registration between the Camera-Finder mounted on the Door, and the picture-taking Lens, regardless of which "PRO-600" Door is in place on the Camera.

- Camera-Door which mounts Auricon Auto-Parallax View-Finder, Model EIF-20.
- B Camera-Door for use with "Zoom" type (variable-focus) lenses which carry their own interlocked "Zoom" type finder.
- Camera-Door for Standard Auricon View-Finder, Model SF-10.



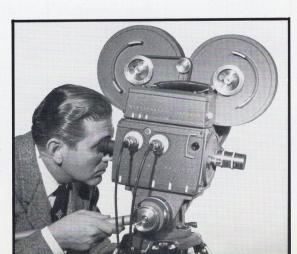


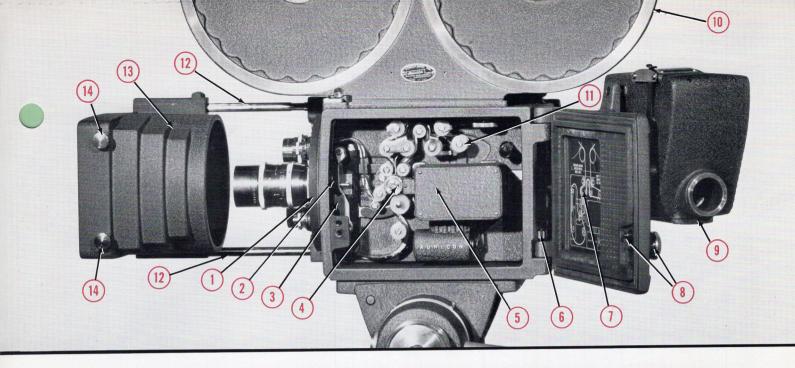
A "ZOOM" TYPE LENS IN USE...

Camera-Door B pictured above, provides convenient clearance for the "Zoom" type finder, as shown here at left.

TELEPHOTO-LENS "TELE-FINDER"...

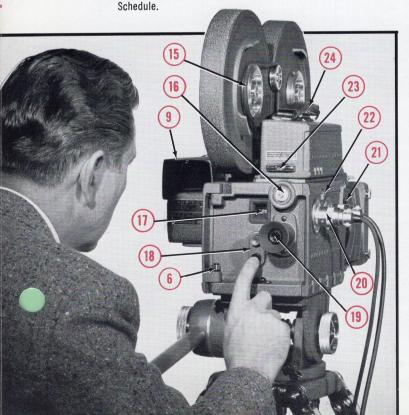
"AURICON PRO-600" Telephoto-Lens "Tele-Finder" Optical-System provides a 10X magnified View-Finder for telephoto-lens filming of Newsreels and Sporting Events, such as football and baseball games, horseracing, boxing, etc. When the Camera is furnished with a 3-Lens Turret (instead of the single-lensmount shown here), the 3 Tele-Finder objective lenses can be mounted on the Turret. These 3 objectives will automatically change the Telephoto-Finder image-size to match the angle of view of the picture-shooting lens (without reducing the 10X magnified finder-frame size seen by the cameraman) as the Turret is rotated to change picture-shooting-lenses.





CHECK THESE PROFESSIONAL "AURICON PRO-600" FEATURES . . .

- Choice of Single Lens-Mount, or 3-Lens Turret, for "C-Mount" Lenses and Auricon Tele-Finder Objectives.
- Film in Camera-Aperture runs over stainless-steel balls, preventing film-emulsion pick-up and insuring sharp, in-focus pictures. U.S. Pat. No. 2,506,765.
- Intermittent film-pull-down precision-ground to size from hardened and tempered steel. Designed for rock-steady pictures and noiseless operation.
- Recording-Sprocket teeth are precision machine-cut for "High Fidelity" optical sound-track-on-film recording.
- Recording Galvanometer for "High-Fidelity" optical sound-trackon-film. Galvanometer is shockproof and rugged as your telephone receiver, requires no adjustment, ever! Both "Variable-Area" and "Variable-Density" Auricon Galvanometers are available, plus a choice of Amplifiers as listed in the "AURICON PRO-600" Price



- Removable thumb-nut on Camera-Door hinge. Doors can be interchanged without tools.
- Camera film-threading diagram.
- R Camera-Door lock with precision Door locating-pin.
- Auricon Auto-Parallax View-Finder, Model EIF-20, provides large upright ground-glass-image of view being photographed, visible with both eyes at any convenient distance behind Finder (U.S. Pat. 2,506,764). See complete description in Auricon Catalog.
- 600 ft. Film-Magazine with roller-type jet-black Nylon light-traps, cannot scratch film. For 16½ minutes of continuous "Talking-Picture" filming at standard Sound-On-Film speed of 24 frames-per-second.
- 11) Safety-interlock film-flow switch-roller.
- Stainless-steel support-rods for Lens "Blimping" Hood, easily removable without tools when not in use.
- Lens and Turret "Blimping" Hood, prevents any Camera noise from reaching the recording microphone when shooting extreme close-ups in the studio.
- (14) Thumb-screws for mounting auxiliary Sun-Shade.
- Noiseless Neoprene-rubber Take-Up belt for quiet film take-up.
- Camera is so quiet that red warning-light shows when motor is running.
- (17) Self-illuminated, geared Footage-Counter.
- Push-button "on-off" with safety-interlocked film-flow mechanism.
- Tele-Finder eye-piece. Optical system plus Tele-Finder Objective Lens on Single-Lens-Mount or on Lens-Turret, provides 10X magnified View-Finder for Telephoto-Lens filming.
- (20) Heavy-duty Professional Connectors for sound-recording and power.
- 21 Critical ground-glass-focusing Eyepiece.
- Power-line "on" Indicator Light.
- Thermostatically-controlled built-in electric Heater "on-off" Indicator Light.
- (24) Convenient Carrying Handle.



THE "AURICON PRO-600" offers the PROFESSIONAL

a Wide Variety of IMPORTANT ACCESSORIES. for instance...







"AURICON PRO-600" for Newsreel work...

Camera with 3-Lens Turret, "Tele-Finder" Objectives and Standard Auricon Finder Model SF-10. For fast-action filming of Newsreels and Sporting Events, etc.

"AURICON PRO-600" for Inside Studio work . . .

Camera with Auto-Parallax View-Finder, Model EIF-20, and Lens-Turret "Blimping" Hood, provides completely noiseless operation for exacting requirements of Studio filming.

"AURICON PRO-600" for Studio Location work...

Camera with auxiliary Sun-Shade mounted on Lens-Turret Hood for noiseless operation of Camera in bright sunlight, etc.

FILMAGNETIC

Connecting-Plugs, Wiring, and Support-Shaft for instantly installing FILMAGNETIC RECORDING UNIT into "Pro-600" Camera without the use of tools, is now furnished at no extra charge as a Built-in Feature.





"AURICON PRO-600"...

illustrated above with single lens mount, shows added "Tele-Finder" Objective with Tele-Photo Finder Optical-System, plus Auricon Standard View-Finder, Model SF-10.



With added Auto-Parallax Finder...

Professional Model EIF-20 Auto-Parallax View-Finder (U.S. Pat. 2,506,764) shows upright-image without ghosts or reflections in the Finder, even when operating in bright sunlight!

Please refer to current "AURICON PRO-600" Price Schedule for suggested Accessory Combinations at special prices.

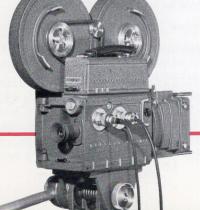


BACH AURICON, Inc.

6950 Romaine Street, Hollywood 38, Calif.

HOLLYWOOD 2-0931

AURICON-PRO, FILMAGNETIC, TV-T, MODULITE ARE TRADE MARKS OF BACH AURICON, INC.



AURICON...THE PROFESSIONAL CAMERA

STANDARD OF THE 16MM SOUND INDUSTRY SINCE 1931



Model EIF-20

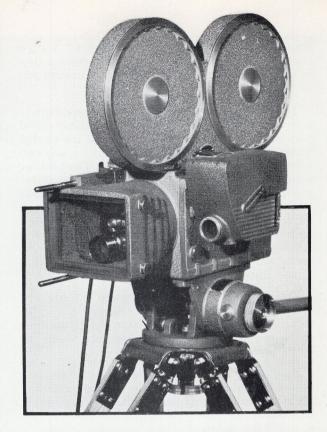
(Reprinted from "American Cinematographer" Magazine)

Designed to operate in the same manner as the newly developed automatic aerial machine-gun sights, the Auricon Automatic-Parallax Camera View-Finder furnishes the cameraman, while he is shooting a motion picture, with an exact image of that picture as it will later appear projected on the screen.

Originally designed and manufactured for the U.S. Armed Forces, this Finder answers a need long felt by cameramen engaged in all kinds of work and using all types of equipment because it is no longer necessary to "hope for the best" after that first inadequate peep through the lens, or to try to follow action through a finder that is known to be "just a bit off."

Incorporating the latest developments in the science of optics, this first really modern finder is completely accurate and operates with the utmost simplicity. It provides an erect, needle-sharp image framed on ground-glass, right side up, and correct right-to-left, located at the front of a deep shadow





"Pro-600" Camera with Automatic-Parallax Finder provides cameraman with large upright finder image, correct right-to-left, which can be viewed with both eyes at any convenient distance behind the camera.

box for maximum contrast and visibility. The finder image is so clear that a newspaper headline can be read with the finder at a distance of fifteen feet, or an airplane can be accurately located while just a speck in the sky. There is no dilution of the image as seen in the finder, and no "ghosts" or multi-reflection in the image, nor does the cameraman see his own reflection in the glass when working in bright sunlight. The Finder combines automatic parallax compensation with a view-range finder which enables the cameraman to measure the distance from camera to subject, by focusing the subject in the Finder.

When shooting a scene, the cameraman can place his forehead directly against the Finder, and he will then be viewing the finder image at an optical distance of 10 inches (The Finder itself measures only 6 inches long). On the other hand, he can move back if he so desires, and look at the image at any convenient distance without regard to any exact eye position. The framing of the image in the Finder does not depend on the viewing position of the eye, and both eyes can be used to look at the finder image at all viewing positions.

Under field conditions, using the Auricon Finder does not blind the cameraman to what is happening

Photograph looking through the Auricon Finder, showing large needle-sharp image, upright and correct right-to-left. Focusing this image in the Finder automatically corrects parallax.

around him, as is the case with "peep-hole" finders. He can operate the camera and finder about a foot in front of him and thus see above the camera and to right and left, with both eyes open.

The difference in viewpoint (or displacement) between camera and finder lenses, commonly called parallax, is automatically compensated for so that whatever is sharply focused in the finder is also corrected for parallax in the finder frame. The parallax adjustment is done optically inside the finder allowing the external finder casing to be solidly attached to the camera body. This provides a rugged and dependable arrangement and the lineup between camera and finder cannot be thrown out of critical adjustment by accidental blows or shocks to the finder casing or camera. This is a patented Auricon Finder feature.

The automatic-parallax adjustment is controlled by a cam-plate located inside the finder casing. This cam-plate determines the displacement distance between camera lens and finder lens, for which the finder automatically compensates.

The auto-parallax adjustment on the Auricon Finder has been mathematically worked out to five decimal places and is more reliable than former methods of cut-and-try parallax calibration accurate at only a few points.

The Finder can be used with 16mm cameras such as the Filmo, Victor, Bolex, etc. For the Kodak Cine-Special, a finder mount has been designed which enables magazines to be changed without disturbing the finder.

The finder can be furnished to cover 35mm sound or silent camera or projector apertures, or 16mm apertures, either camera or projector. Except for special applications, a finder covering the sound-projector aperture would be used.

For 35mm cameras the finder covers lens fields from a 35mm wide angle (which is the full frame shown in the finder), 40mm, 2-inch, etc., up to the 6- and 10-inch telephoto lenses, by means of inserted mattes.

When the finder is used with a 16mm camera it will cover lens-fields ranging from the 17.5mm wide-angle lens up to the 4-inch telephoto lens.

A magazine to carry up to 6 mattes is located in the back of the finder. A special device retains the mattes in the magazine chamber, yet an easy pull up-and-out releases the matte to be used. Another device incorporated in the matte slide at the ground-glass viewing screen, makes it impossible to insert mattes upside-down. This prevents errors when using mattes which have been individually cut to match telephoto lenses which may not center exactly on the camera frame.

This new Auricon Finder is as unique in its field as the photo-electric cell exposure meter was when originally introduced. For the first time a camera finder is available which is designed and built as a precision instrument. It is a definite contribution for better pictures on the motion picture screen, and towards elimination of trouble and inaccuracy arising from the inadequate finders available until now.

AURICON "SUPER 1200"

Auricon "Super-1200" Camera for recording 33 minutes of continuous 16mm Sound-On-Film talking pictures, with Automatic-Parallax Finder, Model EIF-20, for professional use.







After many tests, the new Auricon "Model NR-25" Sound-On-Film Recording Amplifier is being used successfully by Studios and Television Stations throughout the country. This proof of professional results is assured by the Auricon 30 day money-back guarantee.

Model NR-25

The Auricon NR-25 Amplifier is housed in a convenient carrying case which also contains the batteries for the Amplifier and for the sound-track Exposure Lamp in the Camera or Recorder. The case is made of triple-plywood covered with wear-proof fibre. The bottom section of the Amplifier case contains the batteries with a battery-replacement instruction sheet, and also provides room for cables, and other accessories.

The NR-25 Amplifier has two sound-inputs so that speech and music can be mixed and adjusted with individual volume-controls. Thus it is possible to mix a "live" microphone pick-up with music and sound effects from phonograph records.

Low-impedance input No. 1 (50 ohms) is provided with a continuously adjustable four-position "Speech-Music" Tone Control. High-impedance input No. 2 is intended for music recording from phonograph records. In addition to the "Speech Music" Tone Control, the "Model NR-25" Amplifier now features a sibilance suppressor which automatically controls the manner in which "S"

SOUND-ON-FILM RECORDING AMPLIFIER

sounds are recorded on the sound track. Thus a person with a loud or spitting "S" sound in his speech will be recorded on the film sound-track just as well as the person having a professional "radio announcer" type of voice. This makes it possible to record clean, intelligible speech under poor acoustical conditions such as indoors in small rooms, regardless of the speech habits of the people speaking!

Two meters are provided for exact control of the sound-track being recorded. The left-hand meter operating in conjunction with a selector switch has "A" and "B" battery-test scales and an exposure scale for adjusting the brightness of the sound-track Exposure-Lamp in the Camera or Recorder. Correct sound-track film exposures for various films are given in the Auricon Instruction Book.

The right-hand Meter is a Visual Volume-Indicator, to allow control of the loudness of the sound-track. The meter indicates "low," "correct," and "over," allowing easy reference for sound monitoring. Confining the sound volume within the "low" range will provide back-ground music, and permitting the pointer needle to swing to the top of the "correct" range will give full volume of speech or music on the sound-track. Black meter faces and white pointers are used for highest visibility and accuracy.

Amplification in the Auricon Model NR-25 Unit is obtained by using five audio stages, approximately 105DB gain, with a reserve power output sufficient for full modulation of the sound track. Four 1U5 triodeconnected input tubes provide "high fidelity" recording without tube noise, microphonics, or hiss. The recorded frequency compensation is designed to correct for film printing and sound-projector losses, and the Auricon recording range of 40 to 7000 cycles is wider than that of most commercial 16mm sound projectors.

Elimination of technical electrical terms from the amplifier panel and simplification of operation, makes it possible to quickly obtain successful Auricon sound-tracks. The newest model "Stethoscope" type head-phones permit listening to the sound for rehearsal purposes, for unwanted noises, etc.

The batteries used with the NR-25 Amplifier are of the standardized portable-radio type and can be obtained locally. Sometimes a private owner will record only a few rolls of film a month, and a set of these batteries will last for a year. For professional use the batteries require more frequent replacement. Small batteries are used to keep the equipment light in weight, and portable. Spare batteries can easily be taken along when needed, making it unnecessary to carry large and heavy batteries with extra capacity which would not be used until months later.

We are sometimes asked why a battery operated amplifier is used instead of 115 volt A.C. operation. There are several reasons why batteries are desirable for 16mm sound-on-film equipment. A great many 16mm talking pictures are not made in a studio. The equipment is very often used away from A.C. power lines. In this case, if the amplifier were 115 volt A.C. operated it would be necessary to carry 32 volts of heavy storage batteries and an expensive 32 volt D.C. to 115 volt A.C. generator. Instead, for portable work the Auricon



Amplifier with batteries is easy to carry. Taking these facts into consideration, the direct current obtained from batteries is steady and hum troubles are eliminated, at low cost and with maximum portability of the Auricon equipment.

However, for those desiring 115 volt A.C. operation where house current is available, Auricon Battery Eliminators, Model EB-10 and EB-20, which operate from 115 volt, 50 to 60 cycle alternating current, are available. These Battery Eliminators incorporate an electronic voltage control, allowing the 115 volt A.C. power line to fluctuate without affecting the amplifier operation. With the EB-10 Model, all four 45 volt "B" batteries are eliminated, when the Auricon NR-25 Amplifier is being used where there is an A.C. power line. (The model EB-10 "B" Battery Eliminator is more fully described and illustrated on another page.) With the Model EB-20 Battery Eliminator, all batteries, including "A," "B" and sound-track exposure batteries, are eliminated and the NR-25 Amplifier then becomes all A. C. operated, but can still operate from batteries for portable use, whenever desired. (In addition, the all A.C. operated Model NR-40 Auricon Amplifier is available for those desiring equipment for studio use only.)

Almost all professional sound-on-film variable-area or variable-density recording utilizes "noise-reduction." The Auricon Model NR-25 Amplifier therefore incorporates a special noise-reduction circuit which automatically adjusts the sound-track being recorded on the film, so that only the particular volume of sound recorded at any instant is accommodated by the track. Thus, during portions of the picture when little or no sound is recorded, the sound-track is darkened or "closed down" to its minimum size, and during subsequent projection as a talking-picture, this prevents dirt and scratches on the sound-track portion of the film, as well as photo-cell hiss in the sound projector, from reproducing in the form of noise along with the wanted sounds which have been recorded on the sound-track. Background noise (which sounds similar to needle scratch on a phonograph record), is thereby reduced, hence the term "noise-reduction" Amplifier.

The NR-25 Amplifier has two tubes for automatic noise-reduction-biasing of the sound-on-film recording galvanometer. It also provides a "Lab Test" push-button for removing the noise-reduction from the sound-track during recording of a test strip, for subsequent film laboratory measurements which require a silent, unbiased sound-track when making densitometer readings to determine sound-track density.

The Auricon Model NR-25 Amplifier is sold on a 30 day money-back guarantee which insures satisfaction, and is covered by a one year guarantee against defective parts or materials.

BOTTOM SECTION OF AMPLIFIER SHOWING BATTERIES AND CABLE STORAGE SPACE.





BACH AURICON, Inc.



6950 Romaine St., Hollywood, Calif. 90038

AURICON PRICE LIST

JUNE 1, 1975	AURICON "PRO-600" CAMERA		PRO-600 SECTION
	MODEL CM-75		Page 1
with built-in feature instantly installing of tools (less Filmag "C" Mount for one ler with Safety-Interlock Auricon-Electromatic Power-Cord. Net weig Camera with built-in	MEAD (SELF-BLIMPED) MODEL CM-75, and Zoom-Less including: Connecting-Plugs, Wiring and Signatic Recording Unit in "PRO-600" Cargnetic outfit which should be ordered separate; self-illuminated geared Footage Counter; ced-Film-Flow; built-in Electric Heater with Film take-up; Synchronous-Motor Drive; and ght 21 pounds. (When ordering, please specificatures (less Magazines, Finders, Lenses).	Support—Shaft for mera without the us ately when desired; Push—Button "on—con Thermostat Contro molded—rubber 115 Ty 50 or 60 cycles.	se); off* ol; volt .) .\$ 1,820.00
AURICON AUTO-PARALLAX VIE Door, furnished in p a large, upright ima be viewed with both even in direct sunli (U.S. PATENT 2,506,7 wide-angle Lens field Net weight 5 pounds. as original equipment Lens" Door	W FINDER (Model EIF-20) Mounted on a special lace of regular Zoom-Lens Door. This Finders, correct right-to-left, on ground-glass. eyes at any distance behind Camera, without ght. Automatic parallax correction as Finder 64) See Catalog for illustrated description with Mattes for 1", 2" and 3" Lenses. (Finder & Door CombinationModel K-4228. t with new "PRO-600" Camera at the Factory,	l "PRO-600" Camera der shows Camerama Finder image may annoying reflecti- er is focussed. n. Covers 17 mm Others available.) Cost when ordere in place of "Zoom	n ons
film-camera field of	EIF-20 FINDER (above), show both TV field ar view. (Specify lens focal-length when order trated on Page 9 of "General Price List")	nd ring)	.\$ 2.80
furnished in place of lens field, with Mat 3½ pounds. Finder & original equipment with Lens Door	Model SF-10) Mounted on a special "PRO-600" f regular Zoom-Lens Door. Finder covers tes for 17 mm, 1", 2" and 3" Lenses furnished Door CombinationModel K-4229Cost when ith new "PRO-600" Camera at the Factory, in order Mattes for other Lenses available @ \$1.00" CAMERA DOOR, MODEL K-4230, for use with	13 mm wide-angle ed. Net weight n ordered as place of Zoom95 each.)	\$ 245.00
lenses which incorpo the use of tools, the	rate their own interlocked "Zoom" type finder is Zoom door is instantly interchangeable	er. Without with the	

regular Auricon Finder and Door Combinations (above) so that the Zoom lens with its own finder, can be used for any individual scene when desired. "Zoom" Door only (when bought for use with a "PRO-600" already equipped with regular Auricon Finder & Door). Net weight 1 pound......\$

LENS TURRET, furnished in place of Single-Lens Mount, takes three C-mount lenses plus three Tele-Finder Objective Lenses. Includes Turret-Lock-Knob to prevent accidental rotation of Turret when an extra-heavy Telephoto or "Zoom" Lens is being used on the Turret. Cost of Turret (less lenses) when ordered as original equipment with new "PRO-600" Camera at factory\$ 382.80 COST TO INSTALL 3-LENS TURRET on existing single-lens-mount "PRO-600" Camera, 421.80 Model CM-75 (less lenses)..... CRITICAL GROUND-GLASS FOCUSSING (operates by swinging 3-Lens Turret turn to bring picture-taking lens in front of Ground-Glass for focussing); can be installed

only on Camera equipped with a 3-Lens Turret. Includes 7% Ground-Glass Magnifying Eyepiece, and Turret-interlocked Safety-Switch so that Camera will not run, if lens is in "Focus" position. Cost when ordered with new "Auricon PRO-600" at 91.50 COST TO INSTALL CRITICAL GROUND-GLASS FOCUSSING on existing "PRO-600" Camera 131.25 already equipped with a 3-Lens Turret.....\$

TELE-FINDER OPTICAL SYSTEM and rear Eye-Piece with rubber Eye-Cup. This finder optical-system plus Tele-Finder Objectives on lens-mount (Single-Lens, or 3-Lens Turret) provides a 10% magnified "rifle-scope" type View-Finder for Telephoto-Lens picture-taking..... (Tele-Finder Objective Lenses, Model K-2629, etc. not included. Please

order separately. See Page 6 of Auricon Price PRO-600 SECTION COST TO INSTALL TELE-FINDER OPTICAL SYSTEM (as described above) on existing

mpro-600m Camera

PRICE LIST CONTINUED

87.50

150.00

212.50

AURICON "PRO-600" CAMERA MODEL CM-75

AURICON PRICE LIST PRO-600 SECTION Page 2

OPTIONAL	EXTRA EQUIPM	IENT

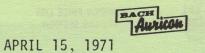
	OF HOMEL EXTRA EQUIPMENT	
	LENS AND TURRET "BLIMPING" HOOD, prevents slightest Camera-noise from reaching the recording microphone when shooting close-ups. Complete with removable mounting-bracket and stainless steel support rods. Net weight $3\frac{1}{2}$ pounds. (Fits any "PRO-600" Camera)\$	75.00
	AUXILIARY FOLDING SUNSHADE, mounts on "Blimping" Hood (above) for operation of Camera in direct sunlight or bright studio lights. Net weight \(\frac{1}{2} \) pound\$	21.90
(3)(3)	600-FOOT FILM CAPACITY 16 mm "AURICON-PRO 600" FILM MAGAZINE, MODEL M-75-6, with ultra-smooth black-nylon light-traps, cannot scratch film. Provides $16\frac{1}{2}$ minutes of continuous filming. Net weight 7 pounds\$	239.00
	MAGAZINE TAKE-UP BELT, spare belt for "PRO-600" Camera, molded of Neoprene rubber, noiseless and oil proof. Net weight 1 oz\$	6.50
	AURICON "PRO-600" CARRYING TRUNK, MODEL K-3742 (ideal for location work). To carry Camera with either Model SF-10 or EIF-20 Finder mounted, and a 600 ft. film Magazine on Camera; carries camera with film threaded, ready-to-shoot. Velvet-lined interior with compartments for 2 extra magazines and accessories; Case exterior of heavy-duty fibre. Net weight 32 pounds\$	117.00
	AURICON "PRO-600" CARRYING CASE, MODEL K-4290. Takes Camera head only (without magazine), velvet-lined and fitted interior; exterior of heavy-duty fibre. Net weight 18 pounds	97.50
	AURICON "PRO-600" CARRYING CASE, MODEL K-4289, for three 600 ft. film Magazines, velvet-lined and fitted interior; exterior of heavy-duty fibre. Net weight 16 pounds\$	60.00
	GALVANOMETER AND OPTICAL-SYSTEM, MODEL T-70-A, for recording "Variable-Area" (RCA type) optical sound-track on film; mounted and film-tested in "PRO-600" Camera \$	640.75
8	GALVANOMETER AND OPTICAL-SYSTEM, MODEL T-70-D, for recording "Variable-Density" (W.E. type optical sound-track on film; mounted and film-tested in "PRO-600" Camera \$	672.00
	AMPLIFIER, MODEL RA-31-AD7, for use with Model T-70-A "Variable-Area" Galvanometer or Model T-70-D "Variable-Density" Galvanometer above. Amplifier has inputs for Microphone and Phono, Volume-Indicator Meter, Sound-Track Exposure Meter; includes Auricon E-6 High-Fidelity Microphone, 50 ft. Microphone Cable, Microphone Desk-Stand, Stethoscope-Headphones, Tubes, Batteries, Connecting Cables, and Instruction Book; complete in custom-built professional heavy-duty fibre carrying case. Net weight 28 pounds	345.00
05 50/	AMPLIFIER, MODEL NR-25-A7, with "noise-reduction" circuit for use with Model T-70-A "Variable-Area" Galvanometer above. Model NR-25 Amplifier is improved version of former NR-24 Model. "Noise-Reduction" bias on the sound-track reduces the background-noise (which is like reducing needle-scratch on a phonograph record) when your film is being played on a sound-projector. Includes Auricon E-6 High- Fidelity Microphone, Microphone Desk-Stand, Cannon Input Plugs, all Tubes, Batteries, Stethoscope-Headphones, and connecting cables, in a custom-built, professional Heavy-duty Fibre Carrying Case. Net weight 37 pounds\$	535.00
5 56/1 B	AMPLIFIER, MODEL NR-25-D7, with "noise-reduction" circuit, for use with Model T-70-D "Variable-Density" Galvanometer above. Includes all Cables and Accessories as supplied with Amplifier Model NR-25-A7 (See description above.) including heavy- duty Fibre Carrying Case. Net weight 37 pounds\$	544.00
8	"MODULITE" GALVANOMETER, MODEL "S", with Noise-Reduction Shutter and recording Optical System, for "Variable-Area" shutter-noise-reduction (RCA type) hairline- centered optical sound-track. Installed and film-tested in "PRO-600" Camera \$	843.00
0 0	AMPLIFIER, MODEL NR-25-S7, with "Noise-Reduction" bias circuit for use with Model "S" Modulite Galvanometer above. With Cannon Input Plugs, high fidelity E-6 Microphone, all Tubes, Batteries, Stethoscope-Headphones, and connecting Cables in a custom-built professional heavy-duty Fibre Carrying Case. Net weight 37 pounds\$	558.00
TC00-	AURICON PROFESSIONAL TRIPOD, MODEL FT-10, with spring-balance pan-tilt Head which compensates for Camera weight at any tilt position. Net weight 27 pounds \$	406.25
TRIPOD	CARRYING CASE, Model K-1791, for Auricon Tripod, Model FT-10, constructed of Fibre and Plywood with rubber lining for Tripod Head protection. Net weight 17 pounds. \$	135.75
	AURICON "HI-HAT" for use with Model FT-10 Pan-Tilt Head, fixed mounting arrangement. Net weight 4 pounds\$	50.25

K-4293

NOTE: ALL PRICES ARE F.O.B. LOS ANGELES, SUBJECT TO CHANGE WITHOUT NOTICE.

COLLAPSIBLE TRIANGLE, adjustable, holds Tripod on slippery floors. Net wt. 4 pounds.. \$ 79.50

Page 3



AURICON "PRO-600" CAMERA MODEL CM-75

AND OPTIONAL EXTRA EQUIPMENT

LISTED BELOW ARE OPTIONAL "AURICON PRO-600" CAMERA-OUTFIT COMBINATIONS,

... grouped for your convenience when ordering.

"BASIC" PRO-600 NEWSREEL OUTFIT #1 "Double-System" Camera without sound to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound Recorder, for filming lip-synchronized "Talking Pictures" PROFESSIONAL OUTFIT INCLUDES
1. "PRO-600" Camera with Single-Lens Mount and built-in features (less lens) \$ 1,820.00 2. One 600-ft. "PRO-600" Film Magazine, Model M-75-6
in place of "Zoom-Lens" Door
"BASIC" PRO-600 NEWSREEL OUTFIT #2 Same "PRO-600" Camera and accessories as "Basic" Newsreel Outfit #1 but in addition, will record both picture and "Single-System" Variable-Area Optical-Sound-Track on same film PROFESSIONAL OUTFIT INCLUDES
1 to 3. "Basic" PRO-600 Newsreel Outfit #1, complete
"BASIC" PRO-600 NEWSREEL OUTFIT #3 Same "PRO-600" Camera and accessories as "Basic" Newsreel Outfit #1 but in addition, will record both picture and "Single-System" Variable-Density Output all Density of the control of the con
PROFESSIONAL OUTFIT INCLUDES 1 to 3. "Basic" PRO-600 Newsreel Outfit #1, complete
* * * * * * * * * * * * * * * * * * * *
"BETTER" PRO-600 NEWSREEL OUTFIT #4 "Double-System" Camera without sound, to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound-Recorder, for filming lip-synchronized "Talking Pictures" PROFESSIONAL OUTFIT INCLUDES
1. "PRO-600" Camera with built-in features
in place of "Zoom-Lens" Door
"BETTER" PRO-600 NEWSREEL OUTFIT #5 Same "PRO-600" Camera and accessories as "Better"
Newsreel Outfit #4, but in addition, will record both picture and "Single-System" Variable-Area Optical-Sound-Track on same film
Newsreel Outilt #4, but in addition, will record both picture and "Single-System" Variable-Area Optical-Sound-Track on same film PROFESSIONAL OUTFIT INCLUDES 1 to 6. "Better" PRO-600 Newsreel Outfit #4, complete
Variable-Area Optical-Sound-Track on same film PROFESSIONAL OUTFIT INCLUDES 1 to 6. "Better" PRO-600 Newsreel Outfit #4, complete
Variable-Area Optical-Sound-Track on same film PROFESSIONAL OUTFIT INCLUDES 1 to 6. "Better" PRO-600 Newsreel Outfit #4, complete



Page 4

AURICON "PRO-600" CAMERA

"AURICON PRO-600" OPTIONAL CAMERA-OUTFITS (Continued) grouped for your convenience when orders	ing.
"BEST" PRO-600 NEWSREEL OUTFIT #7 "Double-System" Camera without sound, to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound-Recorder, for filming lip-synchronized "Talking Pictures"	
4. Two 600-ft. "PRO-600" Film Magazines, Model M-75-6 @ \$239.00 each \$.80
place of "Zoom-Lens" Door	.00
"BEST" PRO-600 NEWSREEL OUTFIT #8 Same "PRO-600" Camera and accessories as "Best" Newsreel Outfit #7, but in addition, will record both picture and "Single-System" Variable-Area shutter-noise-reduction Optical-Sound-Track on same film	
PROFESSIONAL OUTFIT INCLUDES 1 to 7. "Best" PRO-600 Newsreel Outfit #7, complete	
9. Amplifier, Model NR-25-S7, complete, for Variable-Area Sound	3.00
TOTAL PRICE FOR "BEST" NEWSREEL OUTFIT #8(Variable-Area sound with noise-reduction)\$ 4,825	.30
"BEST" PRO-600 NEWSREEL OUTFIT #9 Same "PRO-600" Camera and accessories as "Best" Newsreel Outfit #7, but in addition, will record both picture and "Single-System" Variable-Density Optical-Sound-Track on same film	
PROFESSIONAL OUTFIT INCLUDES 1 to 7. "Best" PRO-600 Newsreel Outfit #7, complete	2.00
noise-reduction\$ TOTAL PRICE FOR "BEST" NEWSREEL OUTFIT #9(Variable-Density sound with noise-reduction)\$ 4,640	30
WITH NOISE-reduction/	
"BASIC" STUDIO (AND NEWSREEL) OUTFIT #10 "Double-System" Camera without sound, to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound-Recorder for filming lip-synchronized "Talking Pictures"	
PROFESSIONAL OUTFIT INCLUDES 1. "PRO-600" Camera with Single-Lens Mount and built-in features(less Lens) \$ 1,820 2. One 600-ft. "PRO-600" Film Magazine, Model M-75-6	0.00
in place of "Zoom-Lens" Door	5.00 5.00 1.90 0.90
"BASIC" STUDIO (AND NEWSREEL) OUTFIT #11 Same "PRO-600" Camera and Accessories as "Basic" Studio Outfit #10, but in addition, will record both picture and Single-System Variable-Area Optical Sound-Track on same film, with noise-reduction	
PROFESSIONAL OUTFIT INCLUDES 1 to 5. "Basic" PRO-600 Studio Outfit #10, complete	0.90
7. Amplifier, Model NR-25-A7, complete, for variable-Area Sound with noise reduction	

"AURICON PRO-600" OPTIONAL CAMERA-OUTFITS (Continued) ... grouped for your convenience when ordering.

"BETTER" STUDIO (AND NEWSREEL) OUTFIT #13... "Double-System" Camera without sound, to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound-Recorder, for filming lip-synchronized "Talking Pictures"....

PROFESSIONAL OUTFIT INCLUDES...

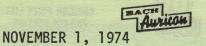
1. "PRO-600" Camera with Single-Lens Mount and built-in features(less lens) \$	1,820.00
2. Two 600-ft. "PRO-600" Film Magazines, Model M-75-6, @ \$239.00 each\$	478.00
3. Auto-Parallax Viewfinder, Model EIF-20, on special Camera Door in place	
of "Zoom-Lens" Door\$	385.00
4. Three-Lens Turret (less lenses)\$	382.80
5. Critical Ground-Glass Focussing	91.50
6. Lens and Turret "Blimping" Hood and Mounting Rods	75.00
7. Auxiliary Folding Sunshade	21.90
8. Auricon "PRO-600" Carrying Trunk, Model K-3742\$	117.00
TOTAL PRICE FOR "BETTER" STUDIO (AND NEWSREEL) OUTFIT #13(no sound)\$	

TOTAL PRICE FOR "BETTER" STUDIO (AND NEWSREEL) OUTFIT #15...(Variable-Density sound with noise-reduction).....\$ 4,587.20

\$ 3,371.20

672.00

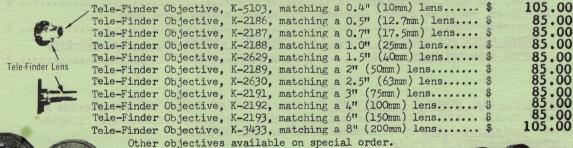
544.00



AND OPTIONAL EXTRA EQUIPMENT

"BEST" STUDIO (AND NEWSREEL) OUTFIT #16 "Double-System" Camera without sound, to take 16mm pictures only. Will run in synchronism with an Optical or Magnetic Sound-Recorder	
for filming lip-synchronized "Talking Pictures" PROFESSIONAL OUTFIT INCLUDES 1. "PRO-600" Camera with built-in features	1,820.00
3. Critical Ground-Glass Focussing\$ 4. Lens and Turret "Blimping" Hood and Mounting Rods\$ 5. Auxiliary Folding Sunshade\$ 6. Tele-Finder Optical System(less Tele-Finder Objective Lenses)\$	91.50 75.00 21.90 150.00
(NOTE: Please order Tele-Finder Objective Lenses, Model K-2629 etc., to match YOUR picture-taking Lenses. See listing below and Page 10 of "General Price List" for lenses available.) 7. Auto-Parallax View-Finder, Model EIF-20, on special Camera Door	
in place of "Zoom-Lens" Door	385.00 87.50 717.00
10. Auricon "PRO-600" Camera Carrying Trunk, Model K-3742	$\frac{117.00}{60.00}$ 3,907.70
"BEST" STUDIO (AND NEWSREEL) OUTFIT #17 Same "PRO-600" Camera and Accessories as "Best" Studio Outfit #16, but in addition, will record both picture and "Single-System" Variable-Area Shutter-Noise-Reduction Optical-Sound-Track on same film	
PROFESSIONAL OUTFIT INCLUDES 1 to 11. "Best" PRO-600 Studio Outfit #16, complete\$	3,907.70
12. "Modulite" Galvanometer, Model "5", with Noise-Reduction-Shutter and Optical- System. for hairline-centered Variable-Area Sound\$	843.00
13. Amplifier, Model NR-25-S7, complete, for Variable-Area sound with noise reduction\$ TOTAL PRICE FOR "BEST" STUDIO (AND NEWSREEL) OUTFIT #17(Variable-Area	558.00
sound with noise-reduction)\$	5,308.70
"BEST" STUDIO (AND NEWSREEL) OUTFIT #18 Same "PRO-600" Camera and Accessories as "Best" Studio Outfit #16, but in addition, will record both picture and "Single-System" Variable-Density Noise-Reduction Optical-Sound-Track on same film	
PROFESSIONAL OUTFIT INCLUDES 1 to 11. "Best" PRO-600 Studio Outfit #16, complete \$ 12. Galvanometer and Optical System, Model T-70-D, for Variable-Density Sound \$	3,907.70 672.00
13. Amplifier, Model NR-25-D7, complete, for Variable-Density Sound with noise-reduction\$	544.00
TOTAL PRICE FOR "BEST" STUDIO (AND NEWSREEL) OUTFIT #18(Variable-Density sound with noise-reduction\$	5,123.70

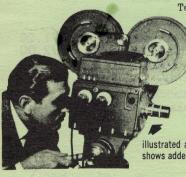
AURICON "PRO-600" CAMERA, POSITIVE "TELE-FINDER "OBJECTIVES, complete with Retaining-Rings and Mounting-Ball Base, Factory adjusted for accurate focus. Easy Instructions supplied with each Objective-lens, for installing on "PRO-600" Camera Turret...

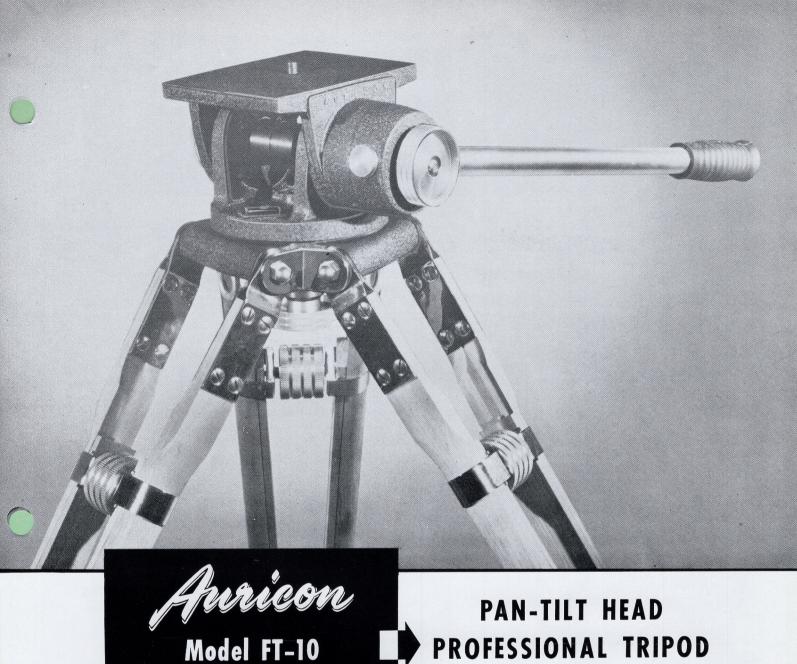


"AURICON PRO-600" Telephoto-Lens "Tele-Finder" Optical-System provides a 10X magnified View-Finder for telephoto-lens filming of Newsreels and Sporting Events, such as football and baseball games, horseracing, boxing, etc.

> 3 Tele-Finder objective lenses can be mounted on the Turret. These 3 objectives will automatically change the Telephoto-Finder image-size to match the angle of view of the picture-shooting lens.

illustrated above with single lens mount, shows added "Tele-Finder" Objective.

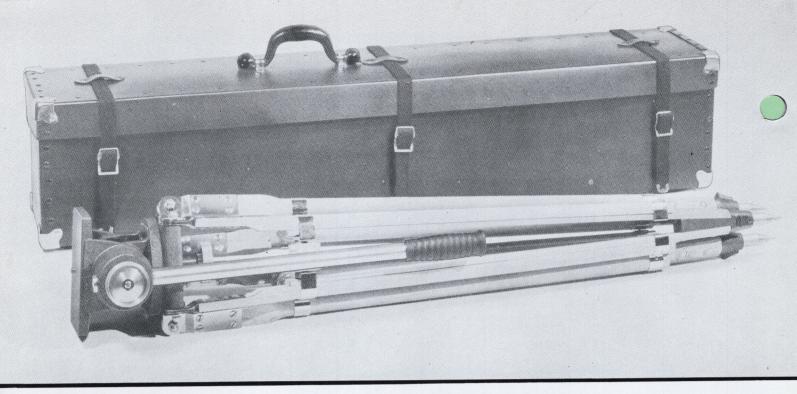




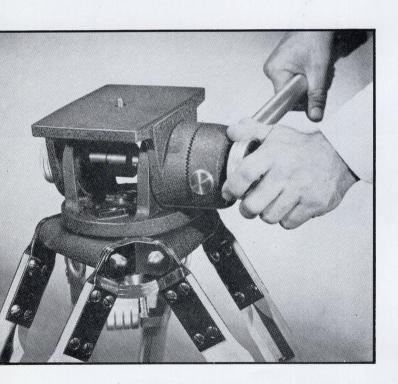
Designed to handle the Auricon-Pro Camera with ease. Tripod head made of precision-machined aluminum alloy castings for maximum ruggedness and light weight. Full ball-bearing adjustment of independent pan and tilt friction clutches

Rigid two-section quick-set hardwood legs are made of Ash (as used for top quality baseball bats) with chromium plated fittings. Professional size (3/8-16) camera hold-down screw is standard. A smaller (1/4-20) screw can be furnished on request. Other features include a twin-bubble level and tripod tie-down rings. Legs extend to 65 inches, close to 42 inches long.

provides velvet-smooth action.



Auricon TRIPOD is conveniently carried in this fibre and plywood case which measures 9 by 10 in. by 4 ft.

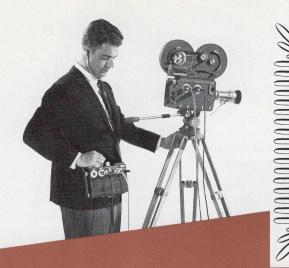


22 inch pan-tilt handle can be adjusted to exact angle for most comfortable position and accurate control of camera movement. Interlocking precision-machined teeth provide rigid positioning of handle.

Auricon "Hi-Hat" converts tripod head for low-angle photography; also can be bolted down to camera trucks, cranes or dollys.







IMPORTANT NOTE

TO THE PROFESSIONAL NEWSREEL CAMERAMAN

Why put up with the marginal results in dependability and poor sound-quality, obtained with an Auricon 100 ft. "Cine-Voice," rebuilt by others to adapt a 400 ft. film magazine?

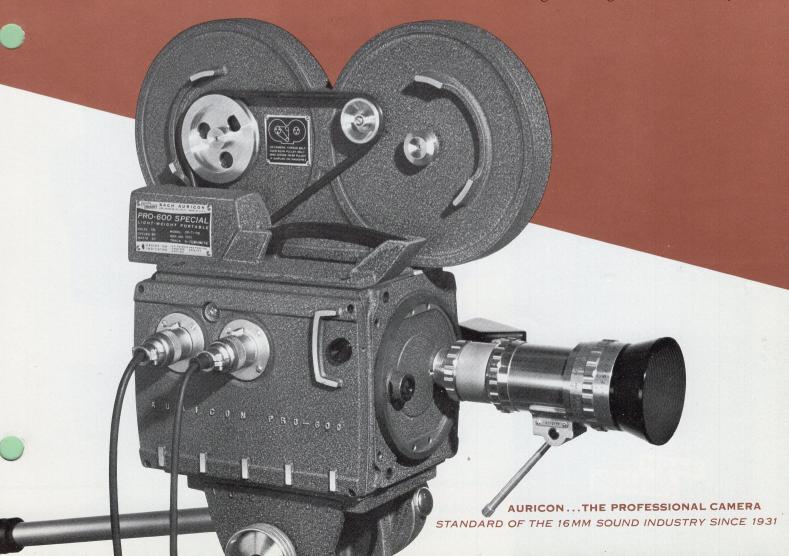
Now you can have a Factory Built and **GUARANTEED** Auricon "Pro-600 Special" with 400 ft. Magazine . . . lightweight, yet expertly designed and Guaranteed by Bach Auricon for the exacting Newsreel Cameraman's requirement!

AURICON

"PRO-600 SPECIAL"

16mm "Double-System" or "Single-System" Sound Camera

... for the Newsreel Cameraman who demands 400 ft. Film Capacity
... with Light-Weight Portability!



Look at these Professional Features built into the

AURICON "PRO-600 SPECIAL"

16mm "Double-System" or "Single-System" Sound Camera!



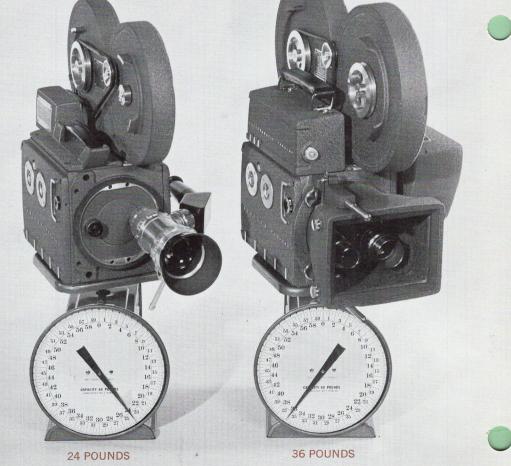
- Camera is Self-Blimped for completely quiet operation. Makes no noise for Microphone to pick up.
- New 400 ft. Magazine takes lab-pack film or daylight-loading spools. Specially miniaturized all-roller Light-Trap eliminates film-scratches or light-leaks when using new ultra-sensitive film emulsions.
- "'Pro-600 Special" is already prepared, at no extra charge, so that you can slip the "FILMAGNETIC" Unit into place at any future time without the use of tools. Does not interfere with "Single-System" Optical Sound-On-Film Recording.
- Driven by true, synchronous Auricon "Soundrive" Motor for exacting Double-System sound recording, perfectly synchronized with magnetic tape recorder or optical sound-on-film recorder.
- Designed to accept all regular Auricon "Pro-600" accessory equipment as your needs increase. Complete flexibility!



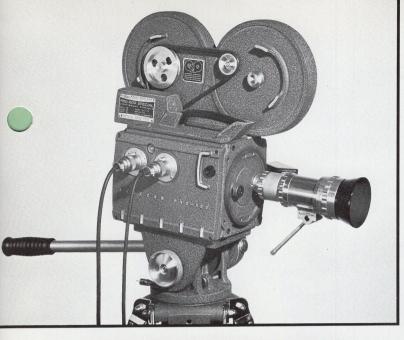
HEART OF THE NEW "PRO-600 SPECIAL"

The secret behind the 30% reduction in weight of the new "Pro-600 Special" is this newly developed Auricon Super-Silent Synchronous "Soundrive" Motor. This precision Auricon motor is designed to meet the most exacting Professional sound-recording requirements.



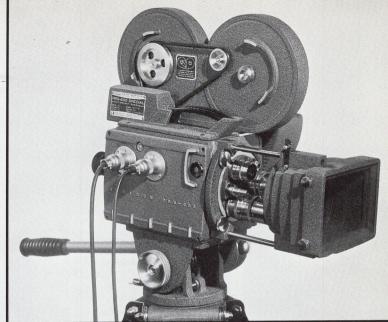


"PRO-600 SPECIAL" FOR NEWSREEL AND DOCUMENTARY FILMING LIGHTWEIGHT MODEL CM-77 "PRO-600" STUDIO CAMERA MODEL CM-75





The "Pro-600 Special" with "Zoom-Lens" is the ideal Camera for Professional Newsreel work. Special interchangeable Camera-Doors are designed for convenient attachment of your "Zoom-Lens."



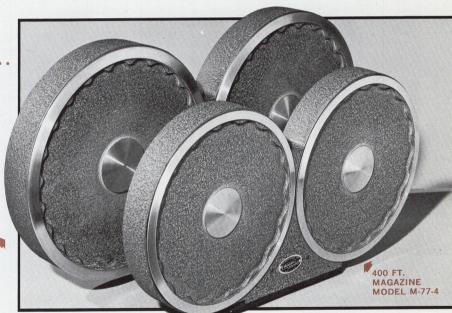
ADD-ON EQUIPMENT WHEN NEEDED ...

Designed to keep pace with your requirements! As your needs increase, you can add greater versatility, because your "Pro-600 Special" Model CM-77 can be equipped for Studio assignments, with all the accessories normally used on the "Pro-600" Model CM-75.

ADVANTAGES OF THE "SPECIAL" 400 FT. MAGAZINE, MODEL M-77-4...

Equipped to take daylight-loading spools, or "laboratory pack" film on plastic cores. Gives you up to 11 minute film capacity with ultimate portability! Miniaturized light-trap with undercut black-Nylon rollers, cannot scratch film or leak light when used with the new ultra-fast films! Magazine weighs only $4\frac{1}{2}$ pounds.

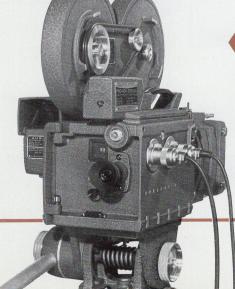
(600 FT. MAGAZINE, MODEL 75-6 COMPARED WITH 400 FT. MAGAZINE.)



GET BEHIND A "PRO-600 SPECIAL"...

... and know the real satisfaction of filming with a truly Professional "Newsreel-Cameraman's Camera"! Whether you are shooting sound-on-film or not, here is the top-notch 16mm picture-taking Camera with perfect frame-line registration and rock-steady picture!

Controls are "human-engineered" for fast, sure film-threading and operation. Features a self-illuminated Footage-Counter; muted Push-Button "On-Off" Switch with Safety-Interlocked Film-Flow; built-in Electric Heater with Thermostatic Control, and other Professional features resulting from 30 years experience in the design and manufacture of precision Camera Equipment.



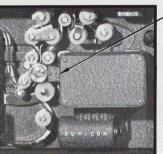
AURICON...THE PROFESSIONAL CAMERA

STANDARD OF THE 16MM SOUND INDUSTRY SINCE 1931

A WIDE VARIETY OF ESSENTIAL EQUIPMENT

for every 16mm filming and sound-recording requirement...

OPTICAL 16mm Sound-On-Film Recording...



Modulite Recording Galvanometer for "High-Fidelity" optical sound-track-on-film is shockproof and rugged as your telephone receiver. Requires no adjustment, ever!



AURICON OPTICAL SOUND VARIABLE-AREA



AURICON OPTICAL SOUND VARIABLE-DENSITY





AURICON MODEL "NR" Recording Amplifier with Background-Noise-Reduction.

FILMAGNETIC 16mm Magnetic Sound-On-Film Recording...

- An optional feature. The "Pro-600 Special" Model CM-77 is already prepared, at no extra charge, so that you can slip the "FILMAGNETIC" Unit into place at any future time without the use of tools. Does not interfere with Optical Sound-On-Film Recording.
- Reproduce-Head, for monitoring from the magnetic sound-track while recording.
- Record-Head, for recording the FILMAGNETIC sound-track on unexposed "pre-striped" film.
- Thumbscrew for easy removal of FILMAGNETIC Recording Unit from Camera, without use of tools, for converting from FILMAGNETIC back to Optical Sound-On-Film "Single-System"
- Connecting Plug for Magnetic Heads.
- Push-down tab for fast one-finger threading.



PRE-STRIPED FILMAGNETIC TRACK

under Pullman or Airplane seat.

CARRYING CASE FOR FILMAGNETIC MODEL MA-11 OUTFIT . . . fitted and velvet-lined. Designed to slip



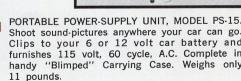
FILMAGNETIC TWIN-HEAD CAMERA RECORDING UNIT

ALL-TRANSISTORIZED AMPLIFIER MODEL MA-11 features a permanent, lightweight re-chargeable Battery.



COMPLETE FILMAGNETIC SOUND RECORDING OUTFIT. See FILMAGNETIC Literature for details.





PORTABLE POWER-SUPPLY UNIT, MODEL PS-15. Shoot sound-pictures anywhere your car can go. Clips to your 6 or 12 volt car battery and furnishes 115 volt, 60 cycle, A.C. Complete in handy "Blimped" Carrying Case. Weighs only



sold with a 30-day money back Guarantee and a 1 year Service Warranty. You must be satisfied!

OF BACH AURICON, INC.

AURICON, FILMAGNETIC, MODULITE AND SOUNDRIVE ARE TRADEMARKS

* See "Pro-600 Special" Price Schedule for complete listing of Camera Accessories.

BACH AURICON, Inc.

6950 Romaine Street, Hollywood 38, California

HOLLYWOOD 2-0931

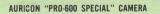
MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931



APRIL 15, 1971

BACH AURICON, Inc.

8950 Romaine St., Hollywood, Calif. 90038



MODEL CM-77



AURICON PRICE LIST PRO-600 SPECIAL SECTION Page 1

1		
1	EX F	950

	AURICON "PRO-600 SPECIAL" CAMERA HEAD, MODEL CM-77 (self-blimped, light-weight, portable), with Zoom-Lens Door (without finder) and built-in features including: C-Mount for one lens; self-illuminated "silenced" geared Footage-Counter; Push-Button "on-off" Switch with Safety-Interlocked Film-Flow; built-in Electric Heater with Thermostat Control; Auricon Drive-O-Matic Film Take-up; molded Neoprene rubber Take-up Belt; ll5 Volt Synchronous Motor Drive; and molded-rubber A.C. Power-Cable. FILMAGNETIC can be installed in any "Pro-600 Special" by the user at any future time without the use of tools, as all "Pro-600 Special" Model CM-77 Cameras come equipped with the necessary Mounts, Connecting Plugs and wiring to accommodate FILMAGNETIC at no extra charge. Net weight 15 pounds. Pro-600 Special Camera with above built-in features (less Magazines, Finders and Lenses) (When ordering, please specify 50 or 60 cycles).	\$ 1	,620.00
00	AURICON FILM MAGAZINE, MODEL M-77-4, 400-foot l6mm Film Capacity, for Auricon "Pro-600 Special" Camera Model CM-77 or Auricon "Pro-600" Camera Model CM-75; positive roller light-trap with undercut black Nylon rollers; cannot scratch film or leak light even when used with the new ultra-fast films: Equipped with square-spindles to take daylight-loading spools, plus adapters for "laboratory pack" film on plastic cores. Net weight 4-1/2 pounds	\$	225.00
(3)(3)	AURICON FILM MAGAZINE, MODEL M-75-6, 600-foot l6mm Film Capacity, for Auricon "Pro-600 Special" Camera Model CM-77 or Auricon "Pro-600" Camera Model CM-75. Net weight 7 pounds	\$	239.00
8	GALVANOMETER AND OPTICAL-SYSTEM, MODEL T-70-A, for recording "Variable-Area" (RCA-type) optical sound-track on film. Mounted and film-tested in "Pro-600 Special" Camera	\$	640.75
8	GALVANOMETER AND OPTICAL-SYSTEM, MODEL T-70-D, for recording "Variable-Density" (W.E. type) optical sound-track on film. Mounted and film-tested in "Pro-600 Special" Camera	\$	672.00
8	GALVANOMETER AND OPTICAL-SYSTEM, MODEL "S", with Noise-Reduction Shutter and Optical Recording System, for "Variable-Area" shutter-noise-reduction (RCA type) hairline-centered optical sound-track. Mounted and film-tested in "Pro-600 Special" Camera	\$	843.00
	OPTICAL SOUND-TRACK RECORDING AMPLIFIER, MODEL RA-31-AD7, for use with Model T-70-A "Variable-Area" Galvanometer or Model T-70-D "Variable-Density" Galvanometer above. Amplifier has inputs for Microphone and Phono, Volume-Indicator Meter, Sound-Track Exposure Meter. Includes Auricon E-6 "High-Fidelity" Microphone, 50-ft. Microphone Cable, Microphone Deskstand, Stethoscope-Headphones, Batteries, Amplifier-to-Camera Connecting Cable, and Instruction Book. In custom-built heavy- duty Fibre Carrying Case. Net weight 28 pounds	\$	345.00
	OPTICAL SOUND-TRACK RECORDING AMPLIFIER, MODEL NR-25-A7, with "noise-reduction" circuit, for use with Model T-70-A "Variable-Area" Galvanometer above. "Noise-Reduction" bias on the sound-track reduces the background-noise (which is like reducing needle-scratch on a phonograph record) when your film is being played on a sound projector. Includes Auricon E-6 "High-Fidelity" Microphone, 50-ft. Microphone Cable, Microphone Deskstand, Batteries, Stethoscope-Headphones, Amplifier-to-Camera Connecting Cable. In custom-built professional heavy-duty Fibre Carrying Case. Net weight 37 pounds		535.00
	OPTICAL SOUND-TRACK RECORDING AMPLIFIER, MODEL NR-25-D7, with "noise-reduction" circuit, for use with Model T-70-D "Variable-Density" Galvanometer above. Includes all accessories as supplied with Amplifier Model NR-25-A7 (see description above). Net weight 37 pounds	q	544.00
	OPTICAL SOUND-TRACK RECORDING AMPLIFIER, MODEL NR-25-S7, with "noise-reduction" bias circuit, for use with Model "S" Galvanometer above. Includes all cables and accessories as supplied with Amplifier Model NR-25-A7 (see description above). Net weight 37 pounds		
	AURICON CARRYING TRUNK, MODEL K-3742 (ideal for location work). To carry Camera with either Model SF-10 or EIF-20 Finder mounted, and most zoom lens models(including Angenieux Zoom Lens 12-120mm) a 400 or 600-ft.magazine installed on Camera. Carries Camera with film threaded, ready-to-shoot. Velvet-lined interior with compartments for 2 extra 400 or 600-ft. magazines and accessories;		
	heavy-duty fibre exterior. Net weight 37 pounds		97.50
	AURICON CARRYING CASE, MODEL K-7306. Takes three 400-ft. Model M-77-4 Film Magazines. Velvet-lined and fitted interior; heavy duty fibre exterior. Net weight 14 pounds		58.25
	AURICON CARRYING CASE, MODEL K-4289. Takes three 600-ft. Model M-75-6 Film Magazines. Velvet-lined and fitted interior; heavy-duty fibre exterior. Net weight 16 pounds	\$	60.00

...at special reduced "Outfit" prices, and grouped for your convenience when ordering.

AUDICON UDDO 600 CDECIALU CAMEDA OUTETT #CM-77-1 for Veriable-Area Ontical Sound-Track	
AURICON "PRO-600 SPECIAL" CAMERA OUTFIT #CM-77-1 for Variable-Area Optical Sound-Track Recording:	
OUTFIT #CM-77-1 INCLUDES	
1. "Pro-600 Special" Camera with built-in features \$1,620	.00
2. One 400 foot Film Magazine, Model M-77-4\$ 225	.00
3. Galvanometer, Model T-70-A for Variable-Area Optical Sound-Track	. //
Total price of individual items if purchased separately \$2,830	7.75
SPECIAL OUTFIT #CM-77-1 PRICE(You save \$90.75)\$2,740	.00
AURICON "PRO-600 SPECIAL" CAMERA OUTFIT #CM-77-2 for Variable-Density Sound-Track	
Recording:	
OUTFIT #CM-77-2 INCLUDES 1. "Pro-600 Special" Camera with built-in features	0.00
2 One 400 foot Magazine, Model M-77-4\$ 225	.00
3. Galvanometer, Model T-70-D for Variable-Density Optical Sound-Track \$ 672	2.00
4. Optical Sound Recording Amplifier, Model RA-31-AD7, for Variable-Density sound. \$ 345	.00
Total price of individual items if purchased separately\$2,862 SPECIAL OUTFIT #CM-77-2 PRICE(You save §97.00)\$2,765	.00
SPECIAL OUTFIT #CM-7/-2 PRICE(100 Save \$9/.00)	.00
AURICON "PRO-600 SPECIAL" CAMERA OUTFIT #CM-77-3 for FILMAGNETIC Sound Recording on	
film with pre-striped magnetic track:	
OUTFIT #CM-77-3 INCLUDES	
1. "Pro-600 Special" Camera with built-in features	.00
3. FILMAGNETIC Sound System, complete	.00
Total price of individual items if purchased separately \$3,170	0.00
SPECIAL OUTFIT #CM-77-3 PRICE(You save\$100.00)\$3,070	00.0
ACM 77 / Becarde of the Warishlandron Output Acm 77 / Becarde of the Warishlandron	
AURICON "PRO-600 SPECIAL" COMBINATION OUTFIT #CM-77-4. Records either Variable-area Sound-on-Film optical track with picture, or FILMAGNETIC Sound-on-Film magnetic	
track with picture. Can be converted from Optical to Magnetic in 60 seconds	
without the use of tools;	
COMBINATION OUTFIT #CM-77-4 INCLUDES	
1 to 3 "Pro-600 Special" Outfit #CM-77-3 \$3,170	.00
4. Galvanometer, Model T-70-A for <u>Variable-Area</u> Optical Sound-Track	.73
Total price of individual items if purchased separately \$4,155	.75
SPECIAL OUTFIT #CM-77-4 PRICE(You save \$125.75)\$4,030	.00
AURICON "PRO-600 SPECIAL" COMBINATION OUTFIT #CM-77-5. Records either Variable-Density Sound-on-Film optical track with picture, or FILMAGNETIC Sound-on-Film magnetic	
track with picture. Can be converted from Optical to Magnetic in 60 seconds	
without the use of tools:	
COMBINATION OUTFIT #CM-77-5 INCLUDES	
1 to 3 "Pro-600 Special" Outfit #CM-77-3 \$3,170	.00
4. Galvanometer, Model T-70-D for Variable-Density Optical Sound Track \$ 672 5. Optical Sound Recording Amplifier, Model RA-31-AD7, for Variable-Density sound. \$ 345	.00
Total price of individual items if purchased separately \$4,187	.00
SPECIAL OUTFIT #CM-77-5 PRICE(You save \$132.00) \$4,055	

See Page 1 of AURICON GENERAL PRICÉ LIST for COMPLETE SELECTION of Auricon "Pro-600" Model CM-75 CAMERA ACCESSORIES, WHICH CAN BE ORDERED AS ADDITIONAL ITEMS FOR USE WITH ANY OF "PRO-600 SPECIAL" MODEL CM-77 "OUTFITS" SHOWN ABOVE. See Pages 11 and 12 for "Useful Information When Ordering", and a brief "Variable-Area or Variable-Density" discussion.

MAIL YOUR ORDER TO: BACH AURICON, Inc.

6950 Romaine St.

HOLLYWOOD, CALIF. 90038

(We also specialize in World-Wide Insured-Safe Export Shipments)

Telephone:

(213) 462-0931

Telegram Address: BACH AURICON

FAX, Hollywood, Calif.

Cable Address:

BERNDTBACH,

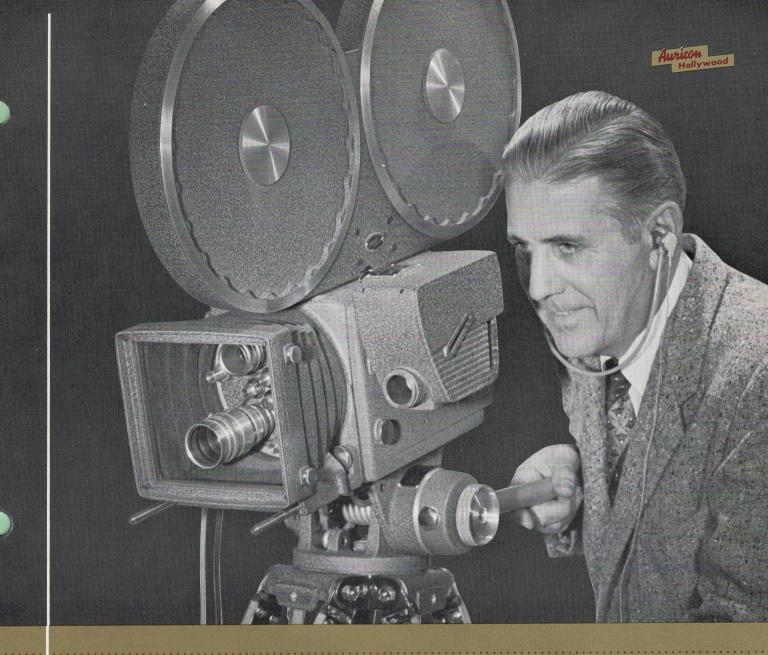
Hollywood, California (U.S.A.)







LITHO IN U.S.A.



Super-1200°

16mm sound-on-film camera

The Camera of tomorrow, here today.

It's only equal is another "Super-1200"...

AURICON "Super-1200"

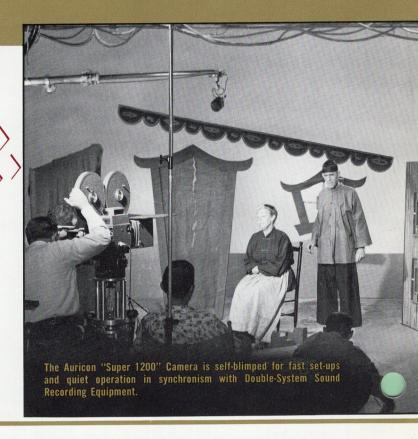
Designed for the

of the Hollywood Sound Stage

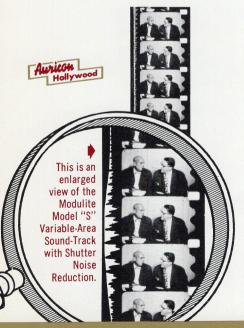


for Top Newsreelers' round the World!

Why not own the Best? Auricon is the wise choice for fast set-up and economical filming, with dependability!



AURICON... The finest name in 16mm Sight and Sound!



HIGH-FIDELITY SOUND-TRACK...

The Auricon "Super 1200" Camera can be equipped with your choice of either a variable-area or variable-density optical sound-on-film Recording Galvanometer. The variable-area Sound-Track shown here, is recorded by the Modulite Model "S" Recording Galvanometer with shutter noise-reduction, and squeezes the sound-track down to a hairline at low volume levels. During playback, this Modulite hairline-narrow Sound-Track cuts through the exact center of the projector photo-cell scanning beam, for crisp and clear low-volume-level sound-track reproduction, on all 16mm optical sound-on-film projectors.

Other Modulite advantages include . . .

- Only one audio-modulated sound-track edge, which eliminates "Gamma" (contrast) effects and minimizes "Eberhard Effect" or "Mackie Line" troubles experienced with multi-track variablearea recordings.
- Modulite Model "S" Audio-Sound Galvanometer, and Shutter-Trace Noise-Reduction Galvanometer, are electronically independent, preventing noise-reduction-bias cross-talk distortion on the optical sound-track.
- Rugged! Modulite Model "S" Galvanometer can be accidentally overloaded without any danger or damage. Sold with a money-back guarantee!
- Tested and now being used by leading Studios and Television Stations in the United States and throughout the World.

AURICON IN ACTION...

... Throughout the World!



TV FILM COMMERCIALS



INDUSTRIAL FILMS



NEWSREELS

Preferred by Professionals

PRODUCERS AND CAMERAMEN ALIKE HAVE NAMED THE AURICON "SUPER 1200"...

"The Finest and Fastest-working 16mm Sound-Camera ever built!"

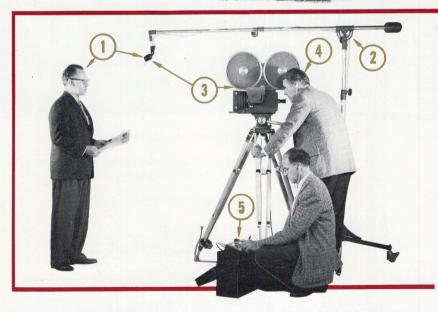
The Self-Blimped Auricon "Super 1200" runs so quietly, it requires no external blimp for Studio operation! **Red Indicator Lights** are provided at the front and rear, to signal that the Camera is running! The quiet operation of the Auricon "Super 1200" is silent proof of precision design.











THE AURICON "SUPER 1200" IS Completely Professional...

- Actor stands at comfortable working distance from ultra-sensitive high-fidelity Microphone.
- Portable Microphone-Boom can be carried in passenger automobile.
- Microphone does not pick up sound of Camera Motor. The guiet operation of the "Super 1200" is silent proof of precision design.
- Cameraman listens in to Recorded Sound with his own headphones.
- Amplifier provides Soundman with complete controls for high-fidelity recording, in convenient, portable Equipment.

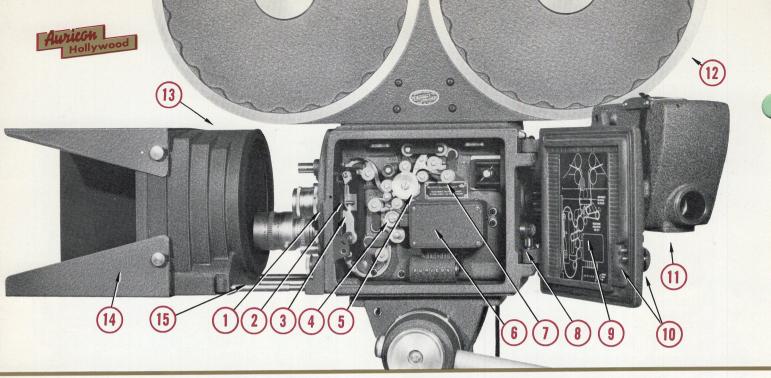
USE THE "SUPER 1200" FOR BRILLIANT, NEEDLE-SHARP PICTURES . . . FOR HIGH-FIDELITY SOUND-ON-FILM!



EDUCATIONAL FILMS ENTERTAINMEN'

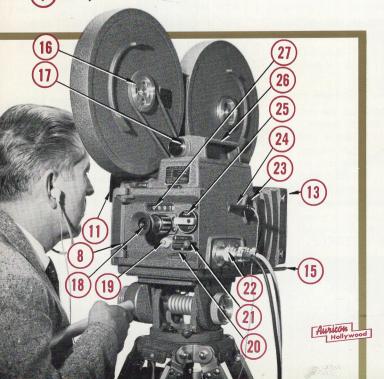






Check these Professional Features Built into the AURICON "SUPER-1200" 16mm SOUND-ON-FILM CAMERA!

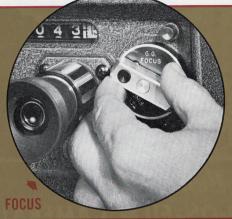
- Turret, for 3 "C" Mount Lenses plus Tele-Finder Objectives.
- Film runs on jewel-hard Sapphire Surfaces in Camera Gate, an exclusive Bach Auricon feature (U. S. Patent No. 2,506,765).
- Intermittent film-pull-down for rock-steady pictures with noiseless operation.
- (4) Recording-Sprocket teeth are precision machine-cut.
- Feed and take-up Sprocket designed for handling 1200 ft.
- Recording Galvanometer for "High-Fidelity" optical sound-track-on-film.
- 7 Safety-interlock film-flow-switch Roller.



- Removable thumb-nut so that Camera-Doors can be interchanged without tools.
- **9** Camera film-threading diagram.
- (10) Camera-Door lock with precision Door-locating-pin.
- Auto-Parallax View-Finder provides large upright groundglass-image of view being photographed. (Bach Auricon, Inc., U.S. Pat. 2,506,764).
- Film-Magazine with 1200 ft. capacity for 33 minutes of continuous "Talking-Picture" filming.
- (13) Lens and Turret "Blimping" Hood.
- (14) Removable Auxiliary Outdoor Sun-Shade.
- (15) Stainless-steel support-rods for Lens "Blimping" Hood.
- Noiseless Neoprene-rubber Take-Up belt.
- Miniature ruggedized Precision-Voltmeter indicates correct Voltage is reaching Synchronous-Motor in Camera.
- (18) Ground-glass focusing and Tele-Finder Eye-Piece.
- (19) Power-line "on" Indicator Light.
- (20) Electric Heater "on-off" Indicator Light.
- (21) Push-button Shutter Control.
- (22) Heavy-duty Professional Connectors.
- (23) Variable-Shutter Control.
- (24) Cameraman's Headphone Plug.
- **25)** Push-button "on-off." Safety-interlocked film flow.
- **(26)** Convenient Carrying Handle.
- Footage and frame Counter, with built-in light.

Features full-frame reflex GROUND-GLASS FOCUSING

Allows Cameraman to check through Camera-Lens for Full-Frame Picture composition and focus. "Feather-Touch" Focusing System is operated with one finger, because the weight of the Camera-Body, Lens-Turret and Film-Gate, are not shifted during focusing. With the Camera-Tripod on soft ground, there is no danger of disturbing the exact picture line-up by inadvertently moving Camera position slightly while shifting back from "Focus" to "Shoot," after lining up.

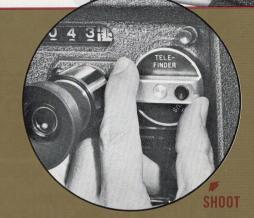


CONVENIENT ROTATING BAR

"Feather-Touch" Control-Bar can be operated even with gloves on! The rear eye-piece of the 10X Focusing Telescope is used for ground-glass focusing in "G.G. Focus" position of the Rotating Control-Bar.

"TELE-FINDER" POSITION

The rear eye-piece of the 10X Focusing Telescope is used for the "Telephoto-Lens Finder" in the "Tele-Finder" position of the Control-Bar.





"GROUND-GLASS" IN FOCUS POSITION

With Control-Bar in "G.G. Focus" position, ground-glass optical-system moves between film and lens.

READY FOR SHOOTING

Film-gate and lens-seat are rigidly positioned in relation to each other, at all times, as Ground-Glass Optical-System Dove-Tail Carriage is only moving part!

ENS-OPENING AT FRONT OF CAMERA, SHOWN 2 TIMES ACTUAL SIZE

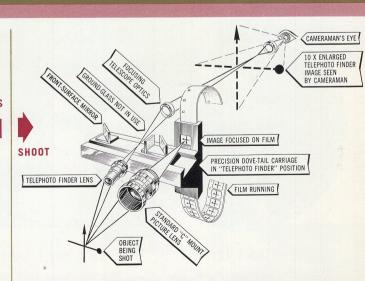


TELEPHOTO FINDER

TELEPHOTO FI

IN USE FOR FULL-FRAME GROUND-GLASS FOCUSING

"Super 1200" Reflex Ground-Glass Focusing-Frame indicates the field covered by any focal-length lens at all distances. A 10X enlarged Ground-Glass image is seen by the Cameraman, for needle-sharp critical focusing.



IN USE AS TELEPHOTO-FINDER DURING FILMING

No Camera-weight shift on tripod legs when moving from focus to film-shooting position with the "Super 1200." Camera-body does not shift to focus, or shoot film, as Optical-System Dove-Tail Carriage is only moving part!

SUPER-1200 "Magic Brain" CONTROLS...



"ON-OFF" CONTROL

Allows Camera to be turned "on" in "Tele-Finder" position only. Camera can't be started by mistake while in Ground-Glass "G.G. Focus" position! However, once Camera is turned "on," Optical System can then be shifted to "G.G. Focus" position to look directly through Rotating Shutter, thus checking Shutter synchronism at start of "take" during background-projection scenes.



RED "STOP" BUTTON

Red "Stop" Button, directly above optical system Control-Bar, will stop Camera in both "G.G. Focus" and "Tele-Finder" positions. This "On-Off" switch is silenced and will not attract attention when the Camera is used in the courtroom, or during banquet speeches, or shooting theatrical performances in a Theatre, etc.



GREEN "CONVENIENCE" BUTTON

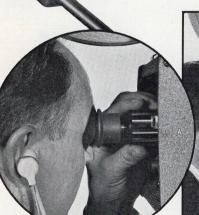
Pushing Green Button automatically opens shutter for Ground-Glass focusing, or retracts film-claw for convenient threading of the Camera Gate. Also shown is a pilot-light which indicates A.C. power "on," as well as a pilot light which glows when the Camera Heater is "on".



TELEPHOTO-LENS FINDER

"Super 1200" Telephoto-Lens "Tele-Finder" Optical-System provides a 10X magnified View-Finder for telephoto filming of newsreels and Sporting Events, such as football and baseball games, horseracing, boxing, etc.

- Telephoto-Lens in filming position.
- Matching Tele-Finder Lens automatically in position opposite Filming Lens.



COMFORTABLE EYEPIECE

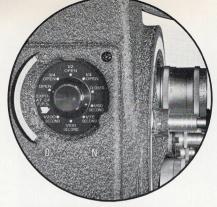
Professional Neoprene rubber Eye-Piece is comfortable to use and adjust to your individual eye-viewing requirements.

VIEW WHILE SHOOTING

With the "Super 1200" Tele-Finder System you can continually view exactly what you shoot, same finderimage size with all lenses, magnified 10X for fast pick-up of sportingevent action!

TELEPHOTO-FINDER LENSES

The 3 Tele-Finder objective lenses automatically rotate, as the Turret is rotated to change picture-shooting lenses, without reducing the brilliant 10X magnified Tele-Finder image seen by the cameraman. The Telephoto-Finder image-size thus remains constant, while matching the various fields of view of the picture-shooting lenses.



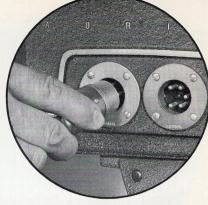
VARIABLE SHUTTER

Provides "fade-in" and "fade-out." Can also be locked to provide exposures from 1/50th to 1/200th of a second, for exact exposurecontrol on new fast films.



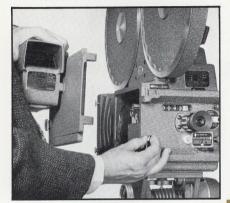
FOOTAGE AND FRAME COUNTER

is geared to provide an exact count of every frame and foot of film in an entire 1200 foot length. Counter has convenient built-in Neon-Glow indirect light.



HEAVY-DUTY CONNECTORS

Professional, lock-in type heavy-duty electrical Connectors are provided for Sound-recording and power inputs.

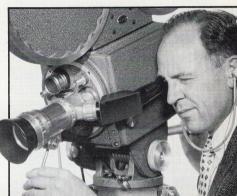


VIEW-FINDER CAMERA DOOR

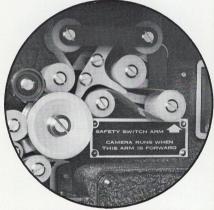
"Super 1200" Camera Door with Auricon Finder, is readily interchanged for a "Zoom-Lens" Door less Finder, without the use of tools.



Interchangeable Doors permit the use of a "Zoom-Lens" (with its own interlocked "Zoom" Finder)



whenever a "Zoom" shot is required.

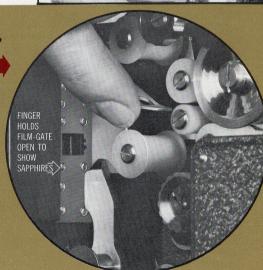


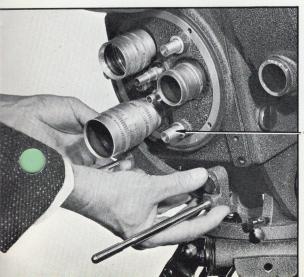
SAFETY SWITCH ARM

Permits Camera to run only when film take-up is functioning normally; otherwise, a flashing warning-light and buzzer, signal the Cameraman to check his film-flow.



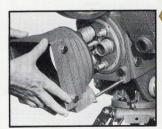
During picture exposure, your film runs through the Auricon "Super 1200" Film-Gate with the light sensitive film emulsion accurately positioned on jewelhard Sapphire Surfaces, an exclusive Bach Auricon feature (U.S. Patent No. 2,506,765). This polished Sapphire Film-Gate is guaranteed frictionless and wear-proof for in-focus and scratch-free pictures, regardless of how much film you run through the Camera!





HEAVY-DUTY LENS TURRET

Hand-scraped to "optical-bench" precision, carries 3 "C" mount lenses, plus 3 matching "Tele-Finder" objectives, with quick-change Turret-Release Controls, which permit lenses to be switched from one position to another without touching the lenses during rotation of the Turret. Blimping Lens-Hood Rod-Support Bracket fastens below Turret as shown.

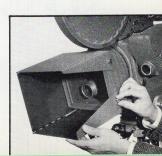


BLIMPING LENS-HOOD

Rod-supports hold Blimp ing Hood which prevents Camera noise, radiated by the Turret and lenses from reaching recording Microphone.

REMOVABLE SUN-SHADE *

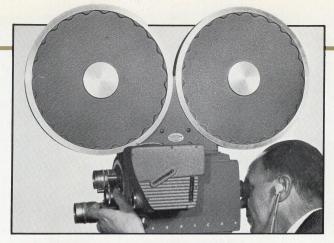
folds flat for easy portability in Camera Case. Shields lenses when Camera is used in sunlight.





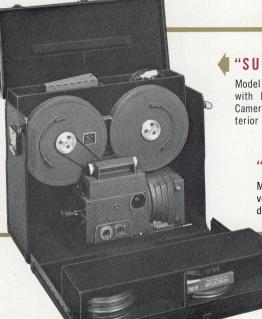
CAMERAMAN'S EARPHONE PLUG

enables Camera Operator to listen-in on optical soundtrack being recorded in Camera.



"SUPER-1200" MAGAZINE

takes 1200 ft. of film for 33 minutes of continuous "talking picture" Optical Sound-On-Film Recording, or full 1200 ft. of magnetic pre-striped film for "FILMAGNETIC" Sound-On-Film (See below).



"SUPER 1200" CAMERA TRUNK

Model K 2325,(for location work) carries Camera with Magazine mounted and film threaded in Camera, ready to shoot. Velvet lined interior; exterior of heavy-duty Fibre.

"SUPER 1200" MAGAZINE CASE

Model K 2323,for three 1200 ft. Film Magazines, velvet lined and fitted interior; exterior of heavy-duty Fibre.



Model K 2321, takes Camera Head only without Magazines. Velvet lined and fitted interior; exterior of heavy-duty Fibre.



GUARANTEE

All Auricon Equipment is sold with a 30-day money back Guarantee and a 1 year Service Warranty. You must be satisfied!



BACH AURICON, Inc.

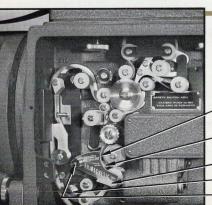
6950 Romaine Street,

Hollywood 38, Calif.

HOLLYWOOD 2-0931

LONG DISTANCE AREA CODE 213
AURICON...THE PROFESSIONAL CAMERA

STANDARD OF THE 16MM SOUND INDUSTRY SINCE 1931



FILMAGNETIC TRADEMARK REGU.S. PAT. OFF.

MAGNETIC SOUND-ON-FILM RECORDING — An optional feature for use with the Auricon "Super-1200" Camera. See the FILMAGNETIC illustrated literature and Price Schedule for further details.

- Reproduce-Head, for monitoring from the magnetic sound-track while recording.
- Record-Head, for recording the FILMAGNETIC sound-track on unexposed "pre-striped" film.
- Push-down tab for fast one-finger threading.
 - Connecting Plug for Magnetic Heads.

EASY TO CARRY Spring-loaded

handles fold flat when not in use; ex-

tend for easy carry-

ing without pinching

fingers.

 Thumbscrew and Mount supplied without extra cost, for installation of FILMAGNETIC Unit without tools, to convert to FILMAGNETIC from Optical Sound-On-Film "Single-System" Recording.

6950 Romaine St., Hollywood, Calif. 90038

AURICON PRICE LIST SUPER-1200 SECTION Page 1

TELEPHOTO - FINDER

AURICON "SUPER-1200" CAMERA MODEL CM-74

with Full-Frame Reflex Ground-Glass FOCUSING



AURICON "SUPER-1200" 16mm SOUND-ON-FILM RECORDING CAMERA-HEAD (only) MODEL CM-74 SELF BLIMPED for quiet running, and now equipped at no extra charge with the necessary Mounts, Connecting Plugs and Wiring to accomodate FILMAGNETIC, which can be installed by the user at any future time without the use of tools, for recording "Single-System" FILMAGNETIC Sound on pre-striped film.



Complete with Zoom-Lens type Door without finder, as Zoom-Lens has its own finder, plus other built-in Camera-Head Features including: 3-Lens Turret for "C" Mount Lenses and with mounts to take 3 Tele-Finder Lenses working with built-in 10% Focusing Telescope; Reflex thru-the-lens "Super 1200" Precision IN USE FOR FULL-FRAME GROUND-GLASS FOCUSING

(Bach Auricon, Inc., U.S. Patent 2,506,765); Built-In Synchronous-Motor with

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

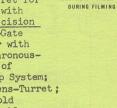
"Super 1700" Edited Ground Glass Focus Glass Inspect

"Super 1700" Edited Ground Glass Focus Ground Glass Inspect

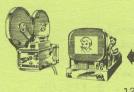
"Super 1700" Edited Ground Glass Focus Glass Inspect

"Super 1700" Edited Ground Glass Focus Glass Inspect

"Super 1700" Edited Ground Glass Drive Dependability by indicating that a Safe-Level A.C. Line Voltage of



115 Volts or better, is reaching the Synchronous-Motor; Electromatic Film-Magazine Take-Up System; Safety Film-Flow Indicator with Warning Light; "Blimped" Hood and Folding Sunshade for Lens-Turret; Illuminated Footage and Frame Counter; Thermostatically Controlled Electric-Heater for cold weather operation; less Magazines, Finder, Telefinder Objectives, Lenses and optical variable-area or variable density sound-track-on-film Recording-Galvanometer, (for V.A. vs: V.D. Track Information see P.11) which are optional Accessories and should be ordered separately; see listings below, etc. Super-1200, Model CM-74 Camera-Head, net weight 32 pounds. Please specify VARIABLE SHUTTER FADE-IN & OUT MECHANISM, installed in above Camera.



Controls Variable Shutter Opening continuously from 1/50th second exposure-per-frame maximum, to completely closed while camera is running. Can be set for filming at 1/200th, 1/100th, 1/75th, or 1/50th second exposure-per-frame

328.00

NOTE: See Page 1 GENERAL PRICE LIST for AURICON SUPER 1200 "TV-T" Kinescope Recording Shutter (Bach Auricon, Inc., U.S. Patent 2,667,012)



1200-FOOT FILM CAPACITY 16mm "SUPER-1200" FILM MAGAZINE, MODEL M-74-12, roller construction of positive light-trap provides simplified loading under "dark-room" conditions. Net weight 10 poundsK-4471 \$

260.00



600-FOOT FILM CAPACITY 16mm "SUPER-1200" FILM MAGAZINE, MODEL M-74-6, roller construction of positive light-trap provides simplified loading under "dark-room" conditions. Net weight

240.00

NOTE: "SUPER-1200" MAGAZINES ACCOMMODATE PROFESSIONAL TYPE "LABORATORY PACK" FILM ON PLASTIC CENTERS. (Not for daylight-loading spools.)

MAGAZINE TAKE-UP BELT, spare belt for Super-1200 and PRO-600 Cameras, and for Model RM-30 Auricon Recorder; molded of Neoprene rubber, noiseless and oil-proof K-2130 \$

6.50



AURICON AUTO-PARALLAX VIEw FINDER (Model EIF-20) mounted on a special "Super-1200" Camera Door, furnished in place of regular Zoom-Lens Door. This Finder shows Cameraman a large, upright image, correct right-to-left, on large groundglass, with automatic parallax-correction as Finder is focussed (Bach Auricon, Inc., U.S. Patent 2, 506, 764). See Catalog for complete description. Covers 17mm wideangle Lens field, with Mattes furnished for 1", 2" and 3" Lenses (others available). Net weight 5 pounds. Cost of Finder and Door combination when ordered as original equipment with a new "Super-1200" Camera at the Factory, in place of Zoom-lens Door without finder\$ (Additional Model EIF-20 Finder Mattes for other Lenses available @ \$2.50 each)

385.00



TV Matte for Model EIF-20 Finder (above), shows television-set frame, plus camera-film field. (Please specify lens-focal-length wanted, when ordering). These TV Mattes are described on Page 9 \$

2.80



ZOOM-LENS AURICON "SUPER-1200" DOOR (Fits CAMERA Model CM-74 only), for use with "Zoom" type lenses which have their own interlocked "zoom" type finder. Without the use of tools, this "Zoom" Door is instantly interchangeable with the special Auricon Model EIF-20 Finder and Door (above) so that the "Zoom" Lens with its own finder, can be used for any individual scene when desired. "Zoom" Door only, for interchangeable use on a "Super-1200" Camera already equipped with Model EIF-20 Finder & Door. Net weight 1 pound\$

109.25



MODEL "S" MODULITE VARIABLE-AREA SOUND-ON-FILM RECORDING GALVANOMETER, produces shutter-noise-reduction type hairline-centered sound track. Complete with optical system, installed and film tested in Super-1200 Camera......\$

843.00



AURICON MODEL NR-25-S7 AMPLIFIER, with Noise-Reduction Circuit for Model "S" Modulite Galvanometer, Cannon Input Plugs, high-fidelity Microphone, all Tubes, Batteries, Headphones, and connecting Cables in a Heavy-duty, Fibre Carrying Case. Net weight 37 pounds.....\$

558.00

PRICE LIST CONTINUED



AURICON SUPER-1200 CAMERA MODEL CM-74

AURICON PRICE LIST SUPER-1200 SECTION

Page 2

OPTIONAL EXTRA EQUIPMENT

MODEL T-70D VARIABLE-DENSITY SOUND-ON-FILM RECORDING GALVANOMETER, complete with optics, installed in "Super-1200" Camera..... \$ 672.00 5 AURICON MODEL NR-25-D7 AMPLIFIER, with Noise-Reduction Circuit for Model T-70D Galvanometer, Cannon input plugs, High Fidelity Microphone, all Tubes, Batteries, Headphones, and connecting cables in a heavy-duty Fibre Carrying Case. Net weight 37 b pounds..... \$ 544.00 "SUPER-1200" CASES AND ACCESSORIES: AURICON "SUPER-1200" CARRYING TRUNK, Model K-2325, (for location work). Carries Camera with one 1200-foot Magazine mounted on Camera and film threaded in Camera, ready to shoot. Velvet lined interior with large compartment for accessories; exterior of heavy-duty Fibre. Net weight 37 pounds..... \$ 125.00 AURICON "SUPER-1200" CARRYING TRUNK, Model K-4607, (for location work). Carries Camera with one 600-foot Magazine mounted on Camera and film threaded in Camera, ready to shoot. Velvet lined interior with compartments for 2 extra 600 ft. magazines and accessories; exterior of heavy-duty Fibre. Net weight 35 pounds..... \$ 115.00 AURICON "SUPER-1200" CARRYING CASE, Model K-2321. Takes Camera Head only, (without Magazines), velvet lined and fitted interior; exterior of heavy-duty Fibre. Net weight 19 pounds..... \$ 95.00 AURICON "SUPER-1200" CARRYING CASE, Model K-2323, for THREE 1200-FOOT FILM MAGAZINES, velvet lined and fitted interior; exterior of heavy-duty Fibre. Net weight 16 pounds..... \$ 60.00 AURICON "SUPER-1200" (and "PRO-600") TELE-FINDER OBJECTIVE LENSES complete with Retaining-Rings and Mounting-Ball-Bases. Factory adjusted for accurate focus. Easy instructions supplied for installing on "Super-1200" (or "PRO-600") Cameras ... Tele-Finder Objective, K-2629, matching a 1.5" (40mm) lens..... \$ 85.00 Tele-Finder Objective, K-2189, matching a 2" (50mm) lens..... \$ 85.00 Tele-Finder Objective, K-2630, matching a 2.5" (63mm) lens..... \$ 85.00 Tele-Finder Objective, K-2191, matching a 3" (75mm) lens..... \$ 85.00 Tele-Finder Objective, K-2192, matching a 4" (100mm) lens..... \$ 85.00 Tele-Finder Lens Tele-Finder Objective, K-2193, matching a 6" (150mm) lens..... \$ 105.00 Other objectives available on special order. AURICON TRIPOD, Model FT-10-S12, with heavy-duty spring-balanced pan-tilt Head, specially designed to compensate for the weight of the "Super-1200" Camera. Net weight 27 pounds \$ 415.00

CARRYING CASE, Model K-1791, of Fibre and Plywood Construction, for

LOOK AT THESE PROFESSIONAL FILMAGNETIC FEATURES:

- ★ Operates from a light-weight re-chargeable battery, or on 115 volt A.C.
- ★ All-transistorized! Eliminates bulky batteries and heavy transformers.
- * Extreme portability and dependability. Weighs only 5 lbs.
- ★ Equipped with transistor-matched "Gold Seal" FILMAGNETIC Heads.
- ★ 14 transistors for frequency response to 12,000 cycles; temperature-compensated for world-wide use, winter and summer.
- * Fitted Carrying Case can be conveniently slipped under Pullman or Airplane seat.



"FILMAGNETIC" SOUND FOR COLOR
OR BLACK AND WHITE

ALL-TRANSISTORIZED FILMAGNETICS FILMAGNETICS

16 mm "Single-System" Magnetic Sound-Recording on Pre-Striped Film

Auricon All-Transistorized FILMAGNETIC Equipment provides you with a choice of either single-system Magnetic or Optical sound-track on the same film with your picture!

The FILMAGNETIC Transistorized Equipment is designed for single-system recording of High-Fidelity music and lip-synchronized talking-pictures on 16mm black and white or color film which has been pre-striped for magnetic sound-recording before the film is exposed to light. After the Camera is equipped at the Factory for use with FILMAGNETIC, the magnetic Twin-Head Recording Unit is temporarily removable from the Camera without the use of tools, thus allowing you a choice of High-Fidelity Optical or Magnetic sound-track.

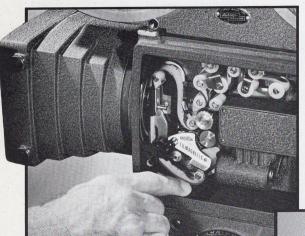
FILMAGNETIC in use since 1955 for exacting professional requirements, reduces the weight and complexity of equipment needed for shooting your sound picture. It eliminates the need for a clap-stick sync-mark at the start of each scene, being "single-system" and therefore already synchronized, yet FILMAGNETIC provides flexibility of editing, as the magnetic sound-track allows high-fidelity re-recording of "single-system" FILMAGNETIC to "double-system" magnetic or "double-system" optical sound-track, for easy editing of only those scenes which are to be used in the final picture. With the new high-fidelity re-recording circuit now provided on the FILMAGNETIC Model MA-11 Amplifier, complete with "Re-Recording or Play-Back Output" connector (23), your FILMAGNETIC equipped Camera can be used as a re-recording film phonograph, or any standard 16mm magnetic Recorder can be used for this re-recording, feeding the FILMAGNETIC sound-track from one magnetic-track to another, or from a magnetic-track to an Auricon 16mm Model RT-80 or RM-30 sound-track Recorder.

While shooting your picture, Auricon FILMAGNETIC provides all the well-known advantages of magnetic recording, with instant earphone monitoring of the actual just-recorded FILMAGNETIC sound-track inside the Auricon Camera. Only 1/24th of a second delay occurs between the sound being picked up by the Microphone, and the same sound being reproduced from the FILMAGNETIC sound-track, through the monitoring earphones. With FILMAGNETIC you can be sure that the sound you hear in the monitoring earphones is already recorded on your FILMAGNETIC sound-track inside the Auricon Camera! A selector switch on the FILMAGNETIC Amplifier Model MA-11 also allows you to monitor directly from the Microphone during rehearsals when the Camera is not running and there is no FILMAGNETIC sound-track to "listen-in" on. FILMAGNETIC eliminates the need for optical sound-track Gamma and Density control during film-lab development. Consequently, film processing can easily be adjusted by visual inspection for best original picture results only, without regard to the magnetic sound-track which is not affected by the picture-processing procedures!

Either your pre-striped camera-original film with magnetic sound lip-synchronized to your picture, or a print with re-recorded magnetic-sound-track, can be shown on any 16mm magnetic sound-projector such as the Ampro, B&H, Kodak, RCA and others. Prints with optical sound-tracks re-recorded from the FILMAGNETIC "master-original" sound-track, can of course be run on any 16mm optical sound-projector. FILMAGNETIC "master-original" sound-track can also be re-recorded without loss of high-fidelity quality onto 35mm optical or magnetic sound-on-film, together with picture enlarged on an optical printer from 16mm to 35mm.



RECORD HIGH-FIDELITY MAGNETIC (OR OPTICAL) SOUND-TRACKS WITH YOUR AURICON CAMERA!



MAGNETIC SOUND-ON-FILM . . . A single touch of your finger opens the entire sprocket film-path and retracts both FILMAGNETIC Heads automatically, for easy Camera threading. Finger points to magnetic pre-stripe on the unexposed picture film threaded thru the FILMAGNETIC Camera-Unit. This standard magnetic pre-stripe is placed on the non-emulsion side of the unexposed single-perforated film, in the area otherwise used by the optical sound-track. After picture exposure and processing, this film with FILMAGNETIC recording can be shown on any 16mm magnetic projector, such as the Ampro, B&H, Kodak, RCA and others. The FILMAGNETIC Camera-Unit provides for an S.M.P.T.E. -A.S.A. standard 28 frame spacing between magnetic-sound and picture.

(FILMAGNETIC PATENTS PENDING)

EASILY REMOVED WITHOUT TOOLS...The Auricon FILMAGNETIC Camera-Unit can be quickly removed or installed in your Auricon sound-on-film recording Camera without the use of tools (after original installation of necessary connecting-plugs, wiring and support-shaft at the factory).



OPTICAL SOUND-ON-FILM. FILMAGNETIC Camera-Unit containing the magnetic Record and Reproduce Heads is removed from the Camera without the use of tools, and replaced by an optical sound pressure roller under the sound-recording sprocket, as shown here. This returns the Camera to its original function as an optical sound-on-film recording Camera, when threaded with any regular single-perforated film. With an optical sound-on-film Auricon Amplifier plugged into the Camera instead of the FILMAGNETIC Model MA-11 Amplifier, your Auricon Camera will then record high-fidelity optical sound-on-film. This entire changeover can be accomplished in less than one minute!

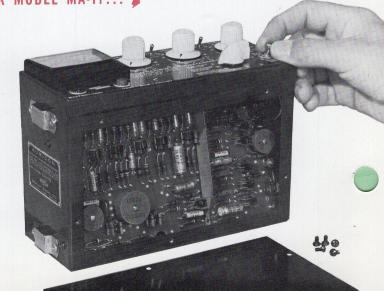
AURICON ALL-TRANSISTORIZED FILMAGNETIC AMPLIFIER MODEL MA-11...

... can operate at the freezing South Pole or the broiling Sahara Desert, without affecting its temperature-compensated 14 transistor circuitry or frequency response to 12,000 cycles. Permanent internal re-chargeable battery for 10 hours continuous recording with complete

portability; or A. C. operated when plugged into a 115 volt A. C. outlet. Amplifier weighs only 5 pounds.



"RE-RECORDING
OR PLAY-BACK OUTPUT"
(SEE OPPOSITE PAGE)





- 1 Auricon FILMAGNETIC Amplifier Model MA-11 weighs only 5 pounds, yet contains separate record, monitor and high-fidelity re-recording amplifiers, utilizing 14 temperature-compensated Transistors.
- Visual volume-indicator Meter, with large, easy-to-read scale. Meter provides recording or re-recording level, as well as battery-test and bias-test-adjustment indications.
- (3) Battery-test Button.
- (4) Bias-test Button.
- (5) 61,000 cycle bias-adjust Screw-slot.
- (6) Volume-control for high-impedance Phono Input #3.
- (7) "Speech-Music" equalization Switch for Microphone Input #2.
- 8 Volume-control for 250 ohm Microphone Input #2.
- (9) "Speech-Music" equalization Switch for Microphone Input #1.
- Three-position Selector Switch: "Film-Track Monitor," "Microphone and Phono Monitor," and "High-Fidelity Re-recording or Play-back Monitor."
- (11) Volume-control for 250 ohm Microphone Input #1.
- 12) "On-Off" Switch.
- Auricon Model E-7 High-Fidelity Microphone, 250 ohm impedance, with special non-reflecting charcoal-gray finish for professional use.
- (14) Light-weight Microphone Desk Stand.

- 15) 50 ft. Microphone-to-Amplifier shielded connecting Cable with "Cannon" Plug.
- 16 10 ft. Amplifier-to-Camera connecting Cable, with "Cannon" Plugs.
- 17 Stethoscope-type Earphones; most modern advancement for "on-the-scene" monitoring. Does not muss up hair; can be worn with a hat. Provides good acoustical-coupling to the ears, blocks out extraneous air-borne noises; like monitoring in a sound-proof booth!
- 18 FILMAGNETIC Twin-Head, Transistor-Matched "Gold-Seal" Camera-Recording Unit, complete with magnetic Record and Monitor Heads.
- (19) Connecting Plug to 115 volt A.C. wall-socket.
- 20 FILMAGNETIC Model BC-10 Duplex A.C. Power-Pack and Battery-Charger, weighs less than 3 pounds. Fully charges Model MA-11 Amplifier-Battery overnight! Also, when A.C. is available, Power-Pack will continuously operate Amplifier direct from 115 volt A.C., without recording any A.C. hum on your sound-track.
- (21) Light-weight Connecting-Cord for Power-Pack to Amplifier.
- (22) Auxiliary Shoulder-Strap for carrying.
- "(Re-Recording or Play-Back Output." When selector Switch (10) is in "Re-Recording" position, this output supplies signal for re-recording original FILMAGNETIC track, into other magnetic or optical sound-on-film recording equipment.

(SEE OPPOSITE PAGE)



Fitted and velvet-lined. Designed to slip under Pullman or Airplane seat. Contains complete FILMAGNETIC Sound-On-Film Recording Outfit, as shown on preceding page. Case containing Complete Outfit, weighs only 26 pounds.



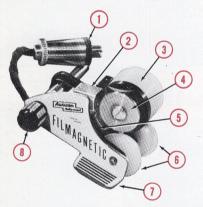
FILMAGNETIC AND AURICON ARE TRADEMARKS OF BACH AURICON, INC



FILMAGNETIC

TRANSISTOR-MATCHED "GOLD-SEAL"

Twin-Head Camera-Recording Unit



- Plug to connect magnetic heads inside Auricon Camera.
- Transistor-Matched, High-Fidelity Reproduce Head, for monitoring or re-recording from the magnetic sound-track.
- Precision-machined Recording Roller.
- Anti-hum magnetic shielding.
- Transistor-Matched, High-Fidelity Record-Head, for recording the FILMAGNETIC sound-track on pre-striped
- Precision-machined Nylon Rollers, with Sapphire Edge-Guides.
- Tab for easy one-finger threading. Push here to open both Magnetic Heads, as well as Recording Roller (3).
- Thumbscrew for easy removal of FILMAGNETIC Recording Unit from Camera, without use of tools.



PRE-STRIPED FILMAGNETIC TRACK

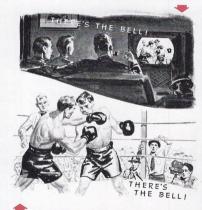
This is the magnetic stripe, put on the film before it is exposed to light.

PERMANENT, LIGHTWEIGHT, RE-CHARGEABLE BATTERY...

Finger points to Battery, which when fully charged, will operate FILMAGNETIC Model MA-11 All-transistorized Amplifier for 10 hours of sound-on-film recording. Battery is fused to assure safety in operation and maintenance.



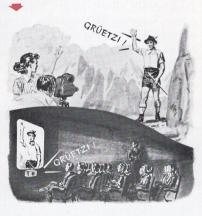
TELEVISION



FILMAGNETIC IN ACTION...

provides High-Fidelity magnetic sound with black & white or natural-color Pictures, on the same film at the same time, always lip-synchronized, and with an absolute minimum of field equipment!

EDUCATIONAL



* For further FILMAGNETIC Technical Information, see the current Filmagnetic Price Schedule.

BACH AURICON, Inc.

6950 Romaine Street, Hollywood 38, California

HOLLYWOOD 2-0931



MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931



JUNE 1, 1975

BACH AURICON, Inc.

6950 Romaine St., Hollywood, Calif. 90038

AURICON "FILMAGNETIC" EQUIPMENT

AURICON PRICE LIST FILMAGNETIC SECTION Page 1





PROFESSIONAL SYSTEM" CARRYING-CASE IS INCLUDED WITH FILMAGNETIC MODEL MA-11...

Pullman or Airplane seat. Complete FILMAGNETIC System in Carrying-Case, with Instructions, net weight 26 pounds \$1,325.00

THE NEW ALL-TRANSISTORIZED FILMAGNETIC MODEL MA-11 SYSTEM CAN BE USED IN ANY AURICON CAMERA ALREADY EQUIPPED TO TAKE THE FORMER MODEL MA-10 FILMAGNETIC SYSTEM . . .

YOUR EXISTING AURICON CAMERA (with or without Optical Sound-On-Film Galvanometer already installed) can be modified to accommodate the Filmagnetic Recording Unit. Prices listed below include the same Filmagnetic "System" of Camera Twin-Head Unit and Model MA-11 Amplifier supplied with new Auricon Cameras for \$13'25,00, plus your Camera modified for "Filmagnetic." Prices also include any minor Camera repairs or parts that must be replaced due to normal Camera wear, in order that the full benefits of your FILMAGNETIC installation are realized...



FILMAGNETIC MODEL MA-11 AMPLIFIER, WITH CAMERA UNIT installed on your existing... Auricon Super-1200, Model CM-74.....

On Auricon Cameras which have been modified for non-standard film magazines by outside technicians, the installation of Auricon "Filmagnetic" will be made on our regular time and material basis, if more than a normal amount of "Filmagnetic" installation work is required. We will be glad to furnish free cost estimates in advance, on request.

"FILMAGNETIC" IS SOLD WITH THE WELL KNOWN AURICON 30-DAY MONEY-BACK GUARANTEE. YOU MUST BE SATISFIED!

REMOVABLE TYPE RE-CHARGEABLE BATTERY, Model RB-20-A for use in Filmagnetic Amp	olifier Model MA-11-U.
Sold only with Safety Canister Model SC-10-A as K#7846	

0	CABLE, Model	K#7063 for Filmagnetic	Amplifier Model MA-11 to Camera or Recorder. 12 feet long with	4C 0E
	connectors			46.25

	charcoal-gray finish for motion picture work (less cable). Net weight 2 pounds	78.40
	WIND-SCREEN, Model K#1917 for Microphone above. Eliminates wind-noise when recording outdoors. Net weight ½ oz.	15.00
	CABLE, Model K#2544 for Microphone above. 50 ft. with Connectors, (Please specify for Amplifier Model MA-11	00.50

MICROPHONE EXTENSION CABLE, Model K#2547, 50 ft. with Connectors, (Please specify for Amplifier Model

NOTE: ALL PRICES ARE F.O.B. LOS ANGELES, SUBJECT TO CHANGE WITHOUT NOTICE.

Steps to be taken when shooting "FILMAGNETIC" lip-synchronized Talking Pictures with Magnetic Sound on Pre-Striped Film...

AURICON "FILMAGNETIC" PRICE SCHEDULE

AND TECHNICAL INFORMATION



- 1. Obtain Single-Perforated Film of the type you wish to use for your picture photography, Black & White, or Color. Before purchasing Color Film, first check that it can be processed at present with Magnetic Pre-Stripe on it. For instance, "Ansco" Color-Films with pre-stripe can be processed. Those Eastman Color-Films using "Jet-Black" anti-halation backings cannot be pre-striped for conventional processing at present. Almost all types of Black & White Negative or Reversal pre-striped film can be processed. Check with your local Film-Processing Laboratory on this before buying your film.
- 2. Have your Single-Perforated Raw-Stock Film Pre-Striped. If your local Camera Dealer cannot supply pre-striped Film, or pre-stripe service, we suggest you contact one of the Companies listed in alphabetical order below.
- 3. Mount FILMAGNETIC Unit in your Auricon Camera in place of Optical sound-on-film Sprocket-Pressure-Roller. Connect FILMAGNETIC Amplifier to your Camera in place of Optical sound-on-film Recording Amplifier. Thread Camera with pre-striped Film, and you can then record Magnetic "Single-System" Sound! By placing Amplifier Selector-Switch to "Film-Track-Monitor" position, you will be able to hear, in the Monitor Headphones, the Magnetic Sound-Track you are recording inside the Camera with only 1/24th of a second delay!

FOR PRE-STRIPING SERVICE . . . We suggest that the following Organizations be contacted for Pre-Striping your single-perforated raw stock, Black & White or Color Film. (We will be glad to add more names to this list as soon as they are made available to us.)

Mr. Marvin E. Becker MARVIN BECKER FILMS 915 Howard Street San Francisco 3, Calif.

Mr. James A. Barker CAPITOL FILM LABORATORIES, INC. 1905 Fairview Ave., N.E. Washington, D.C.

Mr. T. Fogelman CONSOLIDATED FILM INDUSTRIES 959 No. Seward Street Hollywood 38, California

Mr. H. Gausman GENERAL FILM LABORATORIES CORP. 1546 North Argyle Avenue Hollywood 28, California

Mr. Wm. B. Larsen THE LARSEN CO., INC. 2357 West Roscoe Street Chicago 18, Illinois

Mr. Seth B. Larsen THE LARSEN CO., INC. 1322 N. Cole Avenue Hollywood 28, California

Mr. W. Deacy REEVES SOUNDCRAFT CORP. 10 East 52nd Street New York 22, New York

Mr. Bruce L. MacPherson REEVES SOUNDCRAFT CORP. 342 North La Brea Avenue Los Angeles 36, Calif.

SONOCOLOR France

Mr. R. J. Beaudry SHELLY FILMS, LTD. Brockhouse Road Toronto 14, Ontario Canada

WORLD-WIDE "PYRAL" PRE-STRIPING SERVICE ...

FRANCE PYRAL S.A.R.L 47,rue de l' Echat Creteil, Seine S.C.I. PATHÉ 14 avenue de la Plage, Joinville, Seine

GERMANY PATHEX Schmalfilm G.m.b.H. **Brette Strassel** Dusseldorf

BELGIUM BRITISH EQUIPMENT S.A. 199 rue Royale Brussels SYNCHROFILM 27 A Bd de L'Abattoir Brussels

FLECTRONICA 9 Mitchellsgade Copenhagen V

DENMARK

GREAT BRITAIN ZONAL FILM FACILITIES LTD. The Tower Hammersmith Broadway London, W.6.

ITALY **FONOPRESS** Via Mazzini n° 31

HOLLAND RENO HANDEL MIJ. N.V. Gebouw Hirsch Amsterdam C

PORTUGAL CENTRO DE COOPERACAO TECNICA Rua Dom Joao V 2 Lisboa

SWITZERLAND CINEGRAM S.A. 3, rue Beau-Site Geneva

9 Marine Lines

TURKEY DAR FILM Galatasaray, Yenicarsi nº 32 Istanbul

PHOTOPHONE EQUIPMENTS LTD.

I FRANON LEBANON PICTURES Bisharatt Building Parliment Street Beyrouth

MALAYA MAGNETIC STRIPPING AND RECORDING C° MALAYA LTD. Optorg Building 124 Robinson Road Singapour

PHILIPPINES MARSMAN & CO. LTD. P.O. Box 297 Manilla

SIAM FAR EAST FILM LTD. 5 Wireless Road

EGYPT AIRMEC EGYPT 17 rue Dobrieh Cairo

CHILE

SOUTH AFRICA AFRICAN FILM PRODUCTIONS LTD. Johannesburg

LOBENSTEIN Y KELLER LTDA Casa Loben Agustinas 1070-Bandera 183 Union Central 1077.81 Santiago, Chile

COLOMBIA EMPO Y FOTO ESTRELLA Carrera 7 A nº 12-86 Bogota

HAWAII S.O.S. RECORDING & RADIO SERVICE 1545 So. Beretania Street Honolulu 14

URUGUAY Colonia 1189 Montevideo

VENEZUELA MICRON S.A. Apartado 2445 Caracas

AUSTRALIA MAGNETIC PRODUCTS PTY. LTD. 484 George Street Sydney, N.S.W.

FOR PROCESSING OF YOUR PRE-STRIPED FILM . . . Contact your local Film Processing Laboratory regarding picture processing of Black & White Pre-Striped Single-Perforated Magnetic Sound-on-Film. For processing "Ansco" Color Film with Pre-Striped Single-Perforated Magnetic Sound-on-Film, contact:



Mr. E. H. Rechberger, Manager ANSCO PROCESSING LABORATORY 2299 Vaux Hall Road

BACH AAAAA

Aurican |

MAIL YOUR ORDER FOR FILMAGNETIC EQUIPMENT TO:



BACH AURICON, Inc.

6950 Romaine Street Hollywood, California 90038

Telephone: (213) 462-0931



GUARANTEE All Auricon Equipment is sold with a 30-day money back Guarantee and a 1 year Service Warranty. You must be satisfied!

MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931

LITHO

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8950 Romaine St., Hollywood, Calif. 90038

APRIL 15, 1971

"SPECIAL INSTALLATIONS" SECTION

GENERAL PRICE LIST Page 1

AURICON Television-Transcription "TV-T" KINESCOPE-RECORDING SHUTTER:

The TV-T Shutter (U.S. Patent 2,677,012) can be installed in any Auricon Camera to produce 16mm Kinescope Recordings, picture and sound, at 24 f.p.s. or 25 f.p.s. These films can be projected on any standard 16mm sound projector, or be re-telecast. They can be photographed from a standard-type home TV Receiver or from a closed-circuit line-monitor at the TV Station.

Cameras equipped with the TV-T Shutter can also take normal motion pictures of "live" subjects by using a picture exposure of 1/60th of a second instead of the 1/50th of a second used on standard Auricon Sound Cameras.

AURICON "SUPER-1200" MODEL CM-74:

"TV-T" Shutter, ordered Factory-installed with new Camera \$ 203.25

CONVERSION CHARGE ON EXISTING AURICON "SUPER-1200" CAMERA. MODEL CM-74; CM-74-A; CM-74-B; CM-74-C; CM-74-E; and CM-74-G:

Convert Variable-Shutter to fixed "TV-T" Shutter; exchange price ... \$ 148.50 Convert standard fixed-Shutter to "TV-T" Shutter; exchange price ... \$ 250.00

AURICON-PRO Model CM-71; PRO-600 Model CM-75; PRO-600 SPECIAL Model CM-77; CINE-VOICE Model CM-72 and CINE-VOICE II Model CM-72A:

"TV-T" Shutter, ordered Factory-installed with new Camera:



- (a) 60 Cycles, 24 frames per second \$ 137.50 (b) 50 Cycles, 24 frames per second \$ 157.50
- (c) 50 Cycles, 25 frames per second \$ 167.50

Convert existing Auricon-Pro, Pro-600, Pro-600 Special, or Cine-Voice Cameras to "TV-T" Shutter; exchange price:

- (a) 60 Cycles, 24 frames per second \$ 156.25 (b) 50 Cycles, 24 frames per second \$ 176.25
- (c) 50 Cycles, 25 frames per second \$ 186.25

NOTE: When a "TV-T" Shutter is to be installed in a CINE-VOICE Camera, Model CM-72 or CM-72A (usually supplied with a constant-speed motor as standard equipment), this constant-speed motor must be replaced with a synchronous motor, at \$154.00 additional on a new Cine-Voice Camera ordered at the Factory, or \$190.00 additional (exchange price) on existing Cine-Voice Cameras. To check if your Cine-Voice Camera is already equipped with a synchronous motor, check for the word "SYNCHRONOUS" engraved on the Cine-Voice Footage-Indicator Name-Plate.

All Auricon-PRO (Model CM-71), PRO-600 (Model CM-75), PRO-600 "SPECIAL" (Model CM-77), and Super-1200 (Model CM-74) Cameras are always furnished with synchronous motors as standard equipment at the Factory, so these Cameras DO NOT require a motor-conversion when the Auricon "TV-T" Kinescope-Recording Shutter is installed.

"DATASYNC" Sync-Pulse System, Model DSP, 1.8 Volts

installed in Auricon Camera, including Sync-Pulse Output Cable, 10-ft. long, with 3-pin male connector at camera side and open end at recorder side, for installation of plug to connect with user's recorder.

Installed in Cine-Voice II Camera, Model CM-72A .. K-1895 \$ 95.00 Installed in Pro-600 Camera, Model CM-75 K-8334 \$ 98.00 Installed in Pro-600 Special Camera, Model CM-77 . K-8334 \$ 98.00 Installed in Super-1200 Camera, Model CM-74 K-1292 \$ 128.00

Ektachrome Film-Flow Roller Kit, K-8361,

can be installed by user in a few minutes in Auricon "Cine-Voice II", Pro-600, and Pro-600 Special Cameras without use of special tools .. \$ 26.50

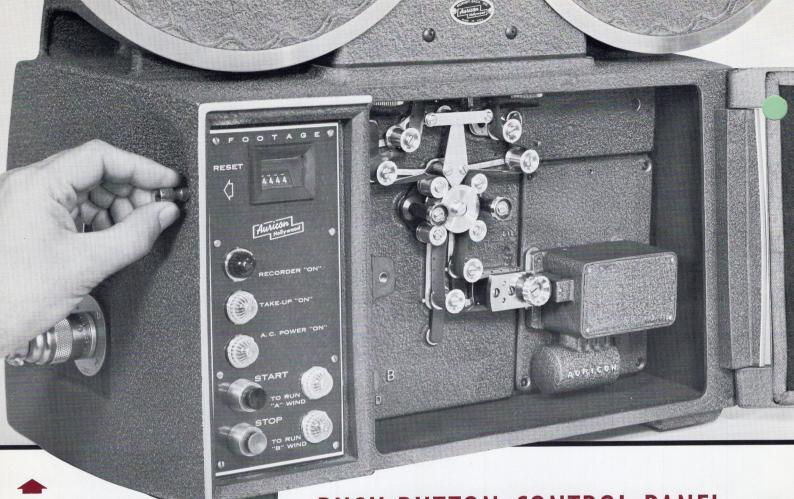
PRICE LIST CONTINUED



"AURICON-1200" RECORDER... Model RM-30

for 16mm Optical Sound-On-Film Recording

- Available for Variable-Area or Variable-Density Optical Sound-On-Film Recording. Can be supplied for use with existing Auricon Amplifiers.
- ★ 1200 ft. Film Magazines for up to 33 minutes of continuous recording. 600 ft. Magazines also available. Model RM-30 Recorder uses same Magazines as "Super-1200 Model CM-74" Camera.
- Sturdily constructed of aluminum castings, precision machined and attractively styled. Finished in a gun-metal color baked-enamel.
- Self-Blimped with sponge-rubber interior lining. Completely quiet in operation, can be run within 6 feet of the recording microphone. Push-button Control Panel with Indicator-lights for dependable operation.
- Safety-interlocked film-flow. Recorder will not run unless takeup-belt is in correct position, etc.
- Triple-filtered film-flow insures "flutter-free" and "wow-free" High Fidelity Recording.



Internally-illuminated geared footage-indicator, completely silent in operation, with convenient hand reset-knob.



CONVENIENT CARRYING HANDLES

PUSH-BUTTON CONTROL PANEL

with "Safety-Interlocked" Film-Flow Indicator-Lights

The Indicator Lights on the RM-30 Recorder Control Panel, show at a glance that the machine is running film satisfactorily. The "Recorder On" Light glows only when energized by film-operated safety-switches which are part of the RM-30 Recorder film-flow path.

The Recorder is powered with a reversible, synchronous motor permitting "A" or "B" Wind emulsion-position sound-tracks to be recorded. Indicator-lights on the Control Panel show the position of the Recorder-Motor reversing-Switch for making "A" or "B" tracks. Full instructions for using "A" or "B" wind are furnished.

The film at the recording position is edge-guided by jewel-hard Sapphire surfaces (U.S. Patent 2,506,765) for precision placement of the Sound-track on film.

For complete information concerning prices, see "Auricon General Price List"





6900 Romaine Street, Hollywood 38, Calif.



ALPRICON 16 M/M SOUND RECORDER Model RT-80

Portable, weighs only 20 lbs.

Quiet, Self-Blimped by its carrying case.

Two-way operation for A or B wind sound tracks.

Variable area sound track.

Built-in synchronous motor.

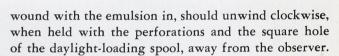
√ 200 ft. film capacity, daylight loading.

In making professional 16 mm. sound pictures, it is very often desirable to have the sound-track separate from the picture, for independent editing of soundtrack or picture.

The Auricon Double-System 16 mm. Sound Recorder is designed for 200-foot daylight-loading spools of film, its capacity matching the Auricon Cameras, or the 200-foot magazine of the Cine-Kodak Special. The Model RT-80 Recorder film-flow utilizes a feed and take-up sprocket, with a separate triple-filtered sound-recording sprocket.

In making double-system talking-pictures in 16 mm., one situation is present which does not occur in 35 mm. The 16 mm. film has only one row of perforations, and the picture film in the 16 mm. camera may be a negative or a reversal positive. To make combination picture and sound-track duplicates from these two kinds of picture films requires sound negatives of "A" or "B" wind emulsion position if both sound-track and picture films are to be printed in contact with the duplicate, emulsion to emulsion, as is the case in most film laboratories.

The term "A Wind" emulsion position simply means that an unexposed roll of single-perforated sound film wound with the emulsion in, should unwind counterclockwise, when held with the perforation and the square hole of the daylight-loading spool, away from the observer. "B Wind" emulsion position means that an unexposed roll of single-perforated sound film,



The Auricon Recorder will produce either A or B wind emulsion position sound-tracks. B wind negative sound-track can be used for *contact*-printing with a B wind negative picture film. (Both negative and reversal picture film is *always* B wind.)

If the B wind picture film is reversal color or black and white, an A wind negative sound-track is made in the Auricon Recorder, to be first contact-printed to a B wind master-sound-track positive, for final contact-printing, in combination with the reversal color or black and white original B wind picture, on an A wind reversal color or black and white duplicate (for projection). This is explained more completely in the Auricon Instruction Book. (Each contact-printing of picture or sound-track reverses the emulsion position or wind, from A to B, or B to A.)

A single switch on the Auricon Model RT-80 Recorder reverses the mechanism and motor for either A or B wind sound-tracks. A built-in synchronous 115 volt 60 cycle motor not only insures running at correct 24 frames-per-second speed, but makes it possible to record in double-system with any synchronous-motor-driven camera, such as the Auricon Sound Camera which has a synchronous motor, or the Cine-Kodak Special with Auricon Synchronous Motor Drive Unit. (A 50 cycle Model RT-80 Recorder is available to special order.)

In portable 16 mm. talking-picture photography it is often necessary to record under conditions not found in studios. The Recorder may have to run in the same room with the microphone. The Auricon Recorder, therefore, has been silenced by floating the mechanism on rubber mounting-blocks, and by lining the case with sound-absorbing material.

6950 Romaine St., Hollywood, Calif. 90038

BACH

"DOUBLE-SYSTEM" RECORDER SECTION

APRIL 15, 1971

GENERAL PRICE LIST Page 3

SUGGESTED MODEL RM-30 AURICON "1200" RECORDER OUTFIT

FOR SHUTTER-NOISE-REDUCTION VARIABLE-AREA

(RCA type) HAIRLINE-CENTERED OPTICAL SOUND TRACK, consisting of ...



Recorder Head, Model RM-30, less Magazines and Galvanometer ... (for "DOUBLE-SYSTEM" SYNCHRONOUS RECORDING) \$ 2,231.25 Film Magazine, Model M-74-12, 1200-ft. 16mm film capacity \$ 260.00 Model "S" Variable-Area 16mm Sound-on-Film Recording Galvanometer, 843.00 with Shutter Noise-Reduction, installed and film tested \$ Amplifier, Model NR-40-S4, complete with Model PP-40 Power Pack, Amplifier-to-Power Pack Cable, Amplifier-to-Recorder Cable, and molded-rubber Power Cord for 115 volt 50 - 60 cycle A.C. wall-outlet connection (see General Price List, Page 4, for detailed description of NR-40 Amplifier) Microphone, Model E-6 "High-Fidelity", with 50-ft. cable \$ 94.25 Headphones, "High Fidelity" hi-impedance Stethoscope type with cord and plug\$ TOTAL COST OF AURICON "1200" RECORDER OUTFIT \$ 4,504.25

SUGGESTED MODEL RM-30 "AURICON 1200" RECORDER OUTFIT AS DESCRIBED ABOVE, BUT FOR VARIABLE-DENSITY (W.E. type) SOUND TRACK, with ...

"RCA" Type Hairline-Centered Optical Sound-Track)

Model T-70D Variable-Density Galvanometer installed and film tested in place of Model "S" Variable-Area Galvanometer and Amplifier Model NR-40-D4 in place of Amplifier Model NR-40-S4 \$ 4,333.25

NOTE: Auricon "1200" Recorder equipped with Modulite Model "S" Variable-Area Galvanometer may also be used with Auricon NR-25-S7 (battery operated) Amplifier, or when equipped with T-70D Galvanometer may also be used with Auricon NR-25-D7 Amplifier.

MODULITE GALVANOMETER OPTICAL-SYSTEM AND RECORDING LIGHT MODULATOR UNIT, K-7506 for Variable-Area Sound-Tracks,

(Produces Professional Variable-Area Shutter-Noise-Reduction

K-7507 for Variable-Density Sound-Tracks;

assembled in an aluminium casing, intended for mounting on single-system cameras or double-system recorders, for 16 or 35 mm.

Supplied with 3 Exposure Lamps and 1 Connecting Plug for installation on user's output cable. Net weight 2 1/4 pounds \$ 625.00

AVAICON

BACH AURICON, Inc.

8950 Romaine St., Hollywood, Calif. 90038



APRIL 15, 1971

RECORDING AMPLIFIERS FOR OPTICAL SOUND MODELS NR-40 and NR-41

GENERAL PRICE LIST
Page 4

AURICON "CUSTOM" AMPLIFIER, MODEL NR-40, for 16mm Optical Sound-on-Film Recording. ALL A.C. OPERATED (uses no batteries). Complete with separate Model PP-40 Power-Pack, Amplifier-to-Power-Pack Cable, Amplifier-to-Recorder Cable, and molded-rubber A.C. Power Cord, to connect Power-Pack to 115 Volt A.C. power outlet. Operates from 115 Volt 50 or 60 cycle current, 125 watts. May also be used with Auricon Single-System Optical-Sound Cameras. Amplifier and Power-Pack, with 3 Connecting Cables described above, less Headphones, Microphones or Carrying Case. Net weight 52 pounds \$ 1,056.25 CARRYING CASE FOR NR-40 AMPLIFIER ONLY, MODEL K-3628. Heavy duty, fibre-covered exterior, velvet-lined interior, Net weight 19 pounds\$ 117.50 CARRYING CASE FOR PP-40 POWER-PACK ONLY, MODEL K-4183. Heavy-duty, fibre-covered exterior, velvet-lined interior, with compartment for microphone and cable. Net weight 16 pounds \$ 109.50 The Auricon "Custom" all-AC-operated Amplifier, Model NR-40, is available in 6 sub-models for use with a variety of Auricon Galvanometers and soundtrack exposure lamps, as listed below: NR-40-A4 for V.A. Galvanometer and 4 Volt Exposure Lamp NR-40-A7 for V.A. Galvanometer and 7 Volt Exposure Lamp NR-40-D4 for V.D. Galvanometer and 4 Volt Exposure Lamp NR-40-D7 for V.D. Galvanometer and 7 Volt Exposure Lamp NR-40-S4 for "S" Galvanometer and 4 Volt Exposure Lamp NR-40-S7 for "S" Galvanometer and 7 Volt Exposure Lamp When ordering, please specify which sub-model wanted.

AURICON "CUSTOM" AMPLIFIER, MODEL NR-41, for 16mm Optical Sound-on-Film

Recording. ALL A.C. OPERATED (uses no batteries). With self-contained

Power Supply. Complete with Amplifier-to-Camera or Amplifier-to
Recorder Cable, and A.C. Power Cord to connect to 115 volt A.C. Power

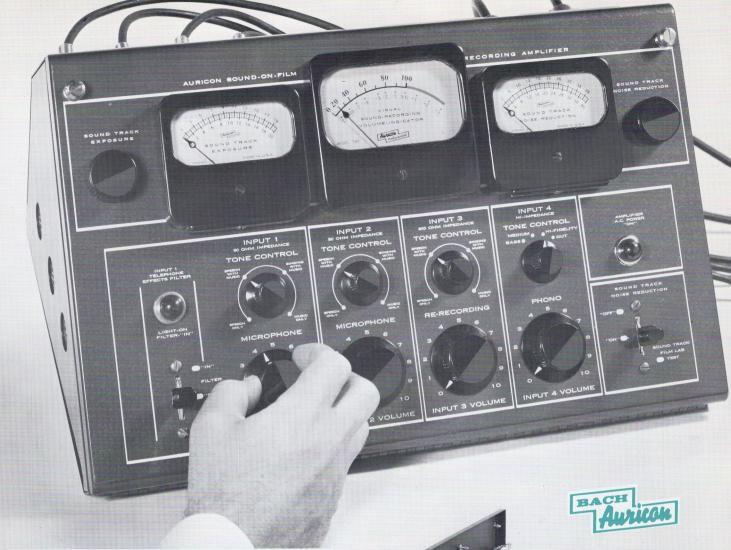
outlet. Operates from 115 volt, 50 or 60 Cycle current. Power

consumption: 125 watts.

For use with T-70A or T-70D, or MODEL "S", or "MODULITE" Light Modulator and either 7 volt 0.2 amp. or 4 volt 0.75 amp. Exposure Lamps. Amplifier has one input for a signal of 0.25 volt RMS, which can be adjusted for an impedance of 62.5 ohms to 600 ohms, balanced or unbalanced line.

With cabinet, Net weight 59 pounds \$ 862.00

For Rack Mounting, Net weight 40 pounds \$ 752.00

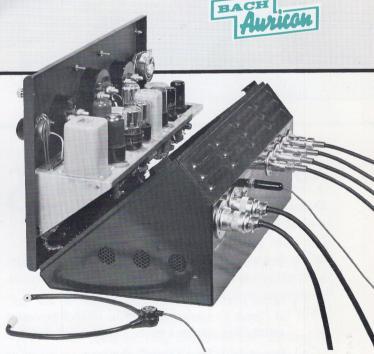


AURICON "Custom" ALL AC OPERATED AMPLIFIER

Model NR-40 for Optical Sound-on-Film...

The Auricon Model NR-40 all AC operated Recording Amplifier with separate Power-Pack, is contained in two metal chassis. The Amplifier-Controls and Meters are mounted in the Monitor-Desk pictured above. The separate Power-Pack furnishes all the necessary current for operating the NR-40 Amplifier.

The Power-Pack also provides completely filtered DC current for lighting the Sound-On-Film recording Galvanometer Sound-Track Exposure-Lamp located inside the Camera or Recorder.



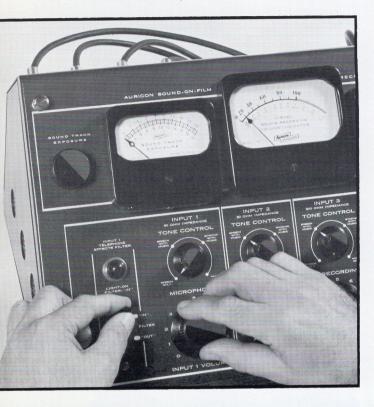
4

Tilt-up hinged Control-Panel construction.

The Power-Pack connects to the NR-40 Amplifier chassis with an 8 ft. power-cable, so that the Pack can be placed in any convenient out-of-the-way location where it is plugged into a 115 volt, 50 or 60 cycle AC power outlet, drawing 150 watts.

"TELEPHONE-EFFECTS FILTER"

The Auricon Model NR-40 Amplifier features two 110DB high-gain microphone-inputs, each provided with a continuously adjustable four-position "Speech-Music" Tone Control. Both "Input 1" and "Input 2" are low impedance (50 ohms) for use with all types of professional microphones. In addition, "Input 1" is provided with a "Telephone-Effects Filter" Key for recording scenes involving simulated telephone conversations. A blue Pilot-Light on the Monitor-Desk indicates when the "Telephone-Effects Filter" Key is "on."



Many dramatic scripts now incorporate scenes involving telephone conversations, police-car radio-conversation, army walkie-talkie scenes, aircraft radio, underwater divers communicating with the surface, science-fiction scenes, or even puppet-show voices. For all these types of scenes, the new Auricon "Telephone-Effects Filters" on the NR-40 Amplifier provides easy and inexpensive means of creating these illusions in a single take, instead of using expensive re-recording methods which are often prohibitive because of the extra time and expense involved.

When shooting a scene involving a telephone conversation, for instance, the dialog of the actor who is "on camera" and talking into the dummy telephone, is picked up on a microphone feeding into "Input 2." Another actor who is supposedly talking over the telephone to the actor "on camera" is picked up by a second microphone feeding into "Input 1" with the Telephone-Effects Filter "in." The two microphones should be some distance apart so that neither microphone picks up dialog intended for the other. In this way, with a single "take," a scene involving a telephone conversation can be recorded onto the sound track with the "off camera" voice giving the illusion of being heard by the actor who is talking on the dummy telephone, "on camera."

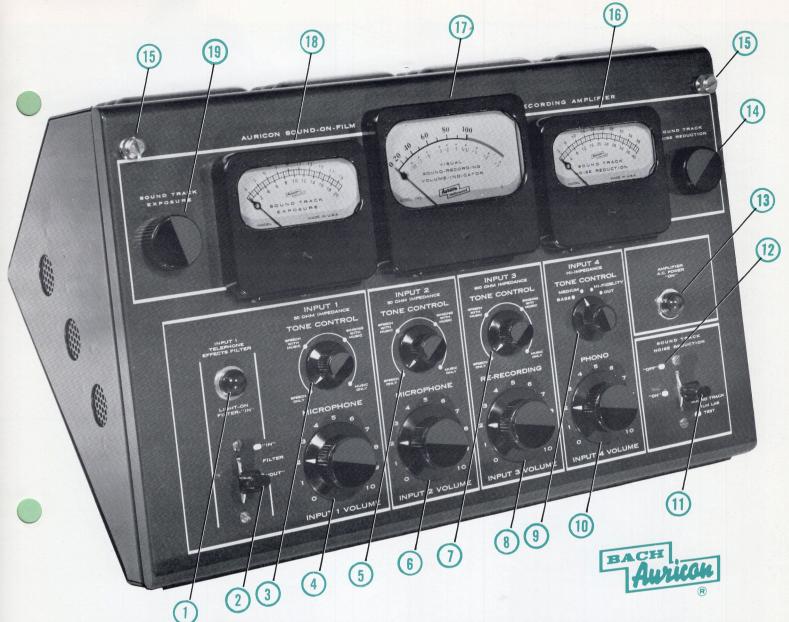
If only one microphone is available to shoot the "telephone conversation" scene, the camera can photograph a close-up of the actor "on camera" who is holding the dummy telephone, while the actor who is supposedly replying over the telephone stands to one side of the scene just outside of camera range but in such a position that the microphone can pick up his voice satisfactorily. It then becomes necessary for the sound-recording-amplifier operator to be familiar with the dialog in the scene, so that he can cut "in" the telephone effects filter when the "off camera" voice is being recorded, and cut "out" the telephone-effects filter when the actor being photographed holding the dummy telephone is talking, etc.



AURICON Model NR-40 SPECIFICATIONS Optical Sound-On-Film Amplifier

- Blue Pilot-Light goes "on" when "Telephone-Effects Filter" is inserted in the "Input 1" microphone circuit.
- Key for inserting Telephone-Effects Filter "In" and "Out" of "Input 1" microphone circuit, without producing switch-clicks, noise, or a volume-change during recording.
- Four-position "Tone Control" of microphone pickup on "Input 1," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high fidelity recording results on "Input 1."
- (4) "Input 1" microphone volume-control knob.
- Four-position "Tone Control" of microphone pickup on "Input 2," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high fidelity recording results on "Input 2."

- (6) "Input 2" microphone volume-control knob.
- Four-position "Tone Control" for re-recording from magnetic-tape or 600-ohm-impedance line, on "Input 3," providing for "Speech Only—Speech With Music—Singing With Music—Music Only," insures high-fidelity recording results on "Input 3."
- (8) "Input 3" Re-recording Volume-Control Knob.
- 9 Four-position "Tone Control" for re-recording from phonograph records on "Input 4," providing for four steps of tone equalization to assure maximum fidelity of re-recording from phono-disc to optical Sound-On-Film.
- (10) "Input 4" Phono Re-recording Volume-Control Knob.



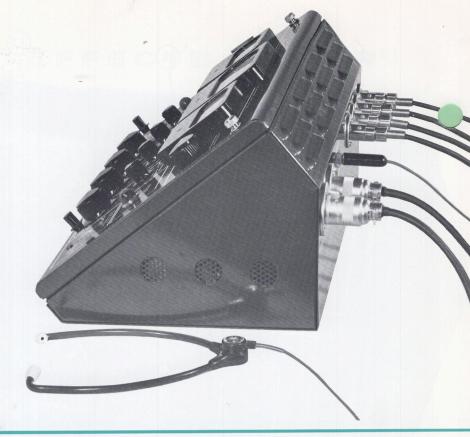
- "Sound-track Film-Lab-Test" Key, removes the noise-reduction from the sound-track during recording of a test-strip at the beginning or end of a roll of film, for subsequent film-processing-laboratory densitometer measurements which require a silent (unmodulated), unbiased (without noise-reduction) Sound-track to determine sound-track density.
- "Sound-Track Noise-Reduction" Key "On-Off," permits recording Sound-tracks without noise-reduction for direct-playback as a negative; for test purposes; etc.
- Red Pilot-Light Indicates Amplifier AC Power "On" or "Off."
- "Sound-track Noise-Reduction" Control Knob used with Meter 16, reduces the background noise on the sound-track (which is like needle-scratch on a phonograph record) when the film is played-back on a 16mm optical sound projector.
- Two thumb-screws for unlocking hinged Amplifier Control-Panel, provide access to components for easy maintenance and servicing.

- Meter with internally-illuminated dial, indicates "Sound-track Noise-Reduction" bias-current, as set by Control Knob 14. Permits perfect control of Noise-Reduction-bias with regard to film-emulsion, processing, type of sound-track being recorded (Negative or Reversal, etc.), and the content of the Sound-track (Piano-Solo recording, for instance, employs less noise-reduction-bias than Orchestral-recording). Instructions for proper noise-reduction use are furnished with NR-40 Amplifier.
- "Visual Sound-Recording Volume-Indicator" standard VU Meter with internally-illuminated yellow-face dial, shows loudness of sounds recorded on Optical-Sound-On-Film Track.
- Meter with internally-illuminated dial indicates "Sound-Track-Exposure" lamp-brightness; provides Sound-Track-Density Control for films of varying emulsion speeds.
- "Sound-Track-Exposure" lamp-brightness Control-Knob, Used with Meter. (18).

THE AURICON "CUSTOM" MODEL NR-40 AMPLIFIER CHANNEL is equipped throughout with heavy-duty Connectors, and highest-quality shielded-cable.

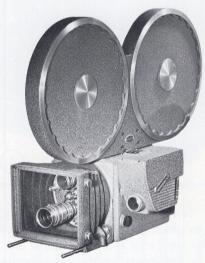
STETHOSCOPE-TYPE HEADPHONES

are furnished because they are the most modern advancement for "on-the-scene" monitoring. Do not muss up the hair, and can be worn with a hat if desired. They provide good low-frequency acoustical-coupling to the ears, enabling the sound-operator to check with extreme accuracy on hum-pickup or room-acoustics and rumble. These plug-in type stethoscope Monitor-Phones also exclude extraneous air-borne noises from the ear-passages so that in effect the sound-operator enjoys the advantages of working in a sound-proof booth when using these stethoscope headphones.





16mm "AURICON-1200" RECORDER Model RM-30... 1200 ft. film capacity for up to 33 minutes of continuous recording, reversible synchronous-motor driven for "A" or "B" wind "Double-System" 16mm Optical Sound-On-Film operation. Available for Variable-Area or Variable-Density Recording.



"SUPER 1200" 16mm Optical Sound-On-Film Camera...
1200 ft. film capacity for up to 33 minutes continuous recording of High-Fidelity "Single-System" Talking Pictures, in natural-color or black & white.

For complete information concerning prices,

see "Auricon General Price List".

BACH AURICON, Inc.

6950 Romaine Street, Hollywood 38, Calif.

HOLLYWOOD 2-0931



6950 Romaine St., Hollywood, Calif. 90038

MICROPHONE SECTION

GENERAL PRICE LIST Page 5

JUNE 1, 1973

MICROPHONES:

Model E-6.

Dynamic Microphone, Auricon Guaranteed High-Fidelity Flat Frequency Response over entire Recording Spectrum, 50 ohms impedance, for use with all Auricon Optical-Sound Amplifiers. Special Matte-black Finish, for Low visibility when used for T.V. Interview filming etc. Net weight 2 pounds (Without Cable)

\$ 71.75

Model E-7.



Dynamic Microphone, Auricon Guaranteed High-Fidelity Flat Frequency Response over entire Recording Spectrum, 250 ohms impedance, for use with Auricon Filmagnetic Amplifier MA-11. Special non-reflecting charcoal gray finish, for Low visibility when used for T.V. Interview filming etc. Net weight 2 pounds (Without Cable) \$ 78.40



Model 635A, Omnidirectional Broadcast Dynamic Microphone. Low impedance, 50-250 ohms. Ideal for hand-held and stand use. Non-reflecting matte satin chrome finish. Supplied with 18-ft. cable and stand clamp. Length 6", width of head 1-3/4".

Net weight 6 oz. \$ 94.50



Model 649B, Omnidirectional Miniature Lavalier Microphone. Low impedance, 50-250 ohms. Non-reflecting gray finish. Ideal for Television Interview filming etc. when used in pairs. Supplied with 30-ft. cable, neck cord, belt clip and stand clamp. Length 2-1/4". Net weight less accessories 1-1/8 oz. \$ 122.50

(Microphones and Cables continued on Page 6)

K-1689

8950 Romaine St., Hollywood, Calif. 90038

Auricon GENERAL PRICE LIST Page 6

MICROPHONE SECTION

M	[(R	0	P	Н	0	N	E	A	C	C	E	S	S	0	R	I	E	S	:

Microphone Windscreen, Model K-1917, for Auricon Microphones E-6 and E-Net weight 1/2 oz	15.00
Microphone Deskstand, K-1916, for Auricon Microphones E-6 and E-7. Net weight 1/2 pound	\$ 7.50
Cameraman's Microphone "Third Hand" Neckstrap, K-1765, holds Auricon Microphones E-6 or E-7 in speaking position, leaving hands free for camera operation	\$ 16.20
Headphones, K-2551, hi-impedance Stethoscope "High Fidelity" type, with cord and plug. Net weight 1.2 oz	\$ 19.50
Microphone Cable, K-2544, for Auricon Microphones E-6 and E-7, 50-ft. long. Net weight 2 pounds	\$ 22.50
Microphone Cable, WINTERIZED, 50-ft. long, as described above. Remains flexible at minus 40° F (Or 40° C)	\$ 75.00
Microphone Extension Cable, K-2547, 50-ft. long, connects Microphone Cable K-2544 to all current Auricon Amplifiers and extends standard Microphone cable to 100 feet length. Net weight 2 pounds	\$ 22.50
Microphone Extension Cable, WINTERIZED, 50-ft. as described above. Remains flexible at minus 40° F (Or 40° C)	\$ 75.00



The Auricon portable power supply is used to operate the camera and/or recorder motors in the field when line current is not available. It consists of a 12-volt non-spill aircraft storage battery driving a rotary convertor which generates 115 volt A.C. 60 cycles, a control panel which has a frequency control, and a reed Frequency-Meter for exact setting of the 60 cycle frequency. (A 50 cycle model is also available.)

The battery, and the convertor with its control panel are housed in two carrying cases for easy portability. The total weight, with the storage battery is 62 lbs.

This unit will operate a single-system Auricon Camera for four hours or over 8000 ft. of film, or a double-system equipment consisting of a Camera and a Recorder running in synchronism, for two hours on a single charge of the battery.

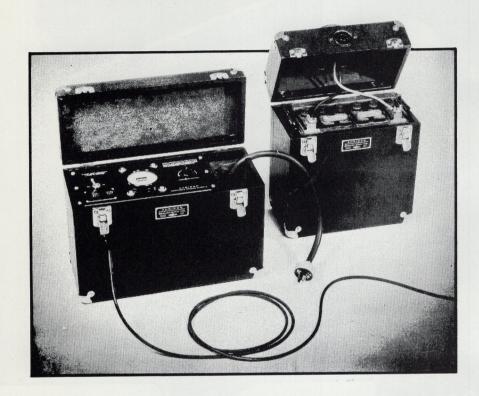
Under actual shooting conditions, this would be enough capacity for an average week's photographic work. However, the battery can be re-charged overnight, and this much film could be run in one day if necessary. If a still heavier schedule is necessary, two storage batteries can be alternated, one running and one on charge.

With this Auricon power supply unit it is possible to shoot single or double-system sound pictures anywhere, such as on a train, boat, plane, or in an automobile. It also provides power for those locations where the power-line current is D.C. or the wrong frequency.

This portable power supply unit is designed for use

with Auricon synchronous motors only. It cannot drive synchronous motors used by other camera manufacturers, as these draw more current and require much larger convertors.

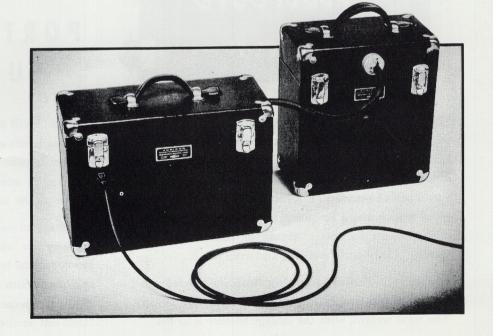
Also available is a 12-volt storage-battery charger. Please see price list for details.

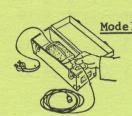


Arricon Model PS-21 Portable Power Supply unit with 12 volt storage battery in separate carrying case.

With carrying cases closed, the power supply is silent in operation and can be used in the vicinity of the sound-recording microphone.







Model PS-15 Portable Power-Supply Unit, for Auricon Cine-Voice II and Pro-600 Special Cameras. Generates 115-Volt A.C. from 6-Volt or 12-Volt automobile battery. For ordering details, please see Auricon Price List Cine-Voice Section, Page 2. 60-Cycle Models (from 6 or 12-Volt D.C. battery) \$ 108.50 50-Cycle Models (from 6 or 12-Volt D.C. battery) \$ 118.00

Model PS-21AL Portable Power-Supply Unit, for Auricon Pro-600 and Super-1200 Cameras, consisting of a 12-Volt non-spill Aircraft Storage Battery (K-1760) in Battery Carrying Case (K-5217), and a Rotary-Converter generating 60 Watts of 115-Volt A.C., plus a control panel with Frequency-Regulator and Frequency-Meter for exact output of cycles. Total net weight of 2-case unit 50 pounds \$ 337.00 (Order K-3870 for 60-cycle or K-3871 for 50-cycle operation).

Battery, K-1760, 12-Volt non-spill Aircraft Storage Battery. Net weight 20 pounds. Price when bought as spare \$ 72.75

Battery Charger, K-1828, 12-Volt tapering Selenium-Rectifier with Meter, automatic Circuit-Breaker protection, and connecting cables for charging PS-21 Power-Supply battery. Net weight 12 pounds \$ 46.75

Step-Down Transformer, K-4142, to run Camera or Recorder motors from 230 Volts; changes 230 Volts to 115 Volts, either 50 or 60 cycles; complete with A.C. cord and Connector. Net weight 4 1/2 pounds . \$

JUNE 1, 1975

BACH AURICON, Inc. 6950 Romaine St., Hollywood, Calif. 90038

GENERAL PRICE LIST Page 8

TUBES, BATTERIES, MISCELLANEOUS ACCESSORIES

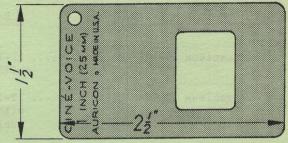
Tested Tubes for Auricon Sound-On-Film Recording	Amplifiers:
K-1953 1U5 \$ 3.40 K-1954 3V4 \$ 4.45	K-1955 3Q5GT \$ 5.70 K-1957 1C5GT \$ 4.10
Set of Tubes for RA-31 Amplifier (4 of K-19	953 and 1 of K-1954) \$ 18.05
Set of Tubes for NR-25 Amplifier (4 of K-19	953 and 3 of K-1954) \$ 26.95
Batteries for Auricon Sound-On-Film Recording Amp	olifiers:
"A" Batteries:	"B" Batteries:
K-1781 1-1/2 Volt \$ 7.10	K-1779 45 Volt \$ 5.35
K-1780 1-1/2 Volt \$ 4.48	K-1782 45 Volt \$ 7.55
K-1778 6 Volt \$ 4.20	
Set of Batteries for NR-25 Amplifier:	1 of K-1781) \$ 45.70
(4 OI K-1/02, 2 OI K-1//0,	1 of K-1/of) 3
Set of Batteries for RA-31 Amplifier:	4 22 50
(2 of K-1779, 2 of K-1778,	1 of K-1780) \$ 23.58
Battery Eliminator, Model EB-20, eliminates all b	eatteries in NR-24 and NR-25
type Auricon Amplifiers, making the Amplifi	er entirely 115 Volt, 50-60
Cycle A.C. operated. Amplifier battery-lea	
from the Battery Eliminator, and may be di	
when regular portable battery operation is Net weight 35 pounds	
Turret Lock Knob, K-4294, for use with Cine-Voice	
Pro-600 Special Cameras. Net weight 1 oz.	9 3./3
Exposure Lamps, selected and pre-focused, for Aur Recording:	icon Sound-On-Film Optical
K-3278 7 Volt, .2 amp	\$ 6.50
K-3279 4 Volt, .75 amp	\$ 7.10
K-3280 6 Volt, 1.0 amp	\$ 7.40
A.C. Power Cord, K-1831, all molded rubber, 2-wir	e type, for 115 Volt A.C. \$ 6.50
10 feet long	9 0.30
A.C. Power Cable, K-7355, 10 feet long, with 3-wi	re Cannon Connector at
Camera-Recorder end, molded rubber 3-pin gr	
at power-outlet end, with Adapter to plug in	
outlet, with pigtail on Adapter for grounding	ng. Net weight 12 oz. \$ 26.50
Portable Tripod Dolly, K-4227, provides convenien	nt mobility for
Auricon Tripod-mounted Cameras. Net weight	: 16 pounds \$230.00
	1 Not made to 5
Hard Fibre Carrying Case, K-4419, for Auricon Dol	
Shoulder Support Bracket, K-2118, provides a stea	
operation of Auricon Camera; adjustab	
operator. Net weight 5 pounds	9223.00

MATTES FOR AURICON FINDERS

For Cine-Voice Camera Model CM-72 with finder showing field size of 15mm without matte:

Blank	K-2813	2	inch	K-1679
17mm		2.5	inch	K-2859
1 inch	K-1678	3	inch	K-1680
40mm	K-2843	4	inch	K-2844

List Price each \$ 1.90

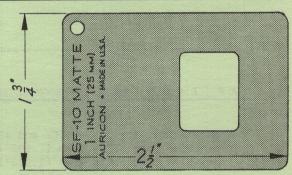


These mattes are 1-1/2 inch wide and will not fit Cine-Voice Cameras with SF-10 finders.

For Cameras Cine-Voice - Model CM-72, CM-72A; Pro-600 Model CM-75; and Pro-600 Special Model CM-77 with SF-10 finders showing field size of 13mm without matte:

Blank	K-4248	2 i	inch	 K-4253
15mm	K-4249	2.5 5	Inch	 K-4254
17mm	K-4250	3 i	inch	 K-4255
1 inch		4 j	inch	 K-4256
40mm	K-4252			

List Price each \$ 1.95

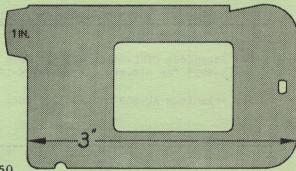


These mattes are 1-3/4 inch wide and will not fit Cine-Voice finders with an open frame size of 15mm.

For any Auricon Camera equipped with finder Model EIF-20. This finder shows an open frame of 17mm without matte:

Blank	K-3227	2.5	inch	 K-1275
20mm	K-1272	2.8	inch	 K-3630
1 inch	K-1273	3	inch	 K-1276
1.5 inch	K-1756	4	inch	 K-1277
35mm	K-2964	4.5	inch	 K-3003
40mm	K-2845	6	inch	 K-1278
2 inch	K-1274			

List Price each \$ 2.50

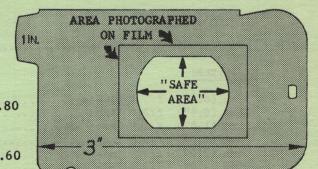


"TV" Mattes - available for EIF-20 finder: Indicates "Safe Area" for titles, etc. when shooting films for television.

17mm	K-3916	2	inch		K-3922
1 inch	K-3918	2.5	inch		K-3924
40mm	K-3920	3	inch	••••	K-4800

List Price each \$ 2.80

Complete Set of 6 "TV" Mattes (K-7701) (17mm; 1"; 40mm; 2"; 2.5"; 3") \$15.60





6950 Romaine St., Hollywood, Calif. 90038

Auricon

GENERAL PRICE LIST

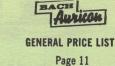
Page 10

LENSES

ZOOM LENSES	DESCRIPTION	Cat. No.	Price
Angenieux 10x12A AZO	12-120mm, f/2.2	. K-8242 \$	2,330.00
Angenieux 10x12A AU-600		. K-7945 \$	2,745.00
Angenieux 10x12A AU-1200		. K-7944 \$	2,745.00
	Total Constitution (Constitution of the Constitution of the Consti		
A D A P T E R S FOR ANGENIEUX ZOOM-	LENSES		
A D A F I E R S FOR ANGENTBOX ZOON-			
C-Mount Adapter for CINE-VOICE a When Slot opening is 23mm (. When Slot opening is 26mm (1.	nd AZO Zoom Lenses (without Thre 905") please order K-8255 (old s 023") please order K-1796 (new s	tyle).	75.00
C-Mount Adapter for AU-600 and A When Slot opening is 23mm (. When Slot opening is 26mm (1.	U-1200 Zoom Lenses (without Thre 905") please order K-8237 (old s 023") please order K-1793 (new s	tyle).	75.00
THE THE PROPERTY OF THE ANALYSIS	IOPHIPIN O MOINE ADADTEDS		
THREADED RINGS FOR AN	IGENIEUX C-MOUNT ADAPTERS		
		ė.	12.25
For Angenieux CINE-VOICE and AZO (K-8256 for old-style Adapter	; K-1952 for new style Adapter)	Υ	12.25
For Angenieux AU-600 and AU-1200		styles) \$	12.25
For Angenieux A0-600 and A0-1200	Zoom Herses R-0200 (1100 Zoom C		
		. Mad the set one was the first off the set off the set of the	
FIXED FOCAL-LENGTH	I LENSES		
KERN-PAILLARD:			2511 50
10mm (0.4") f/1.6 Switar		K-6145 \$	354.50
SCHNEIDER:			
10mm (0.4") f/1.8 Cinegon		K-7636 \$	296.66 218.88
16mm (0.6") f/2.0 Xenon 25mm (1.0") f/1.4 Xenon		K=7602 \$	212.22
50mm (2.0") f/2.0 Xenon		K-7604 \$	224.44
75mm (3.0") f/2.8 Tele Xenar . 100mm (4.0") f/2.8 Tele Xenar .		K-7605 \$	200.00
150mm (4.0") 1/2.8 Tele Xenar .		K-7607 \$	273.33



6950 Romaine St., Hollywood, Calif. 90038



USEFUL INFORMATION WHEN ORDERING AURICON SOUND-ON-FILM EQUIPMENT

<u>Power-Requirements</u>:

Auricon Cameras and Recorders are designed to operate from standard 115 Volt single-phase alternating-current. Auricon equipment is available for either 50 or 60 cycle operation. In the United States the electric current is 115 volts at 60 cycles except in a very few areas. Outside the United States the current is often 50 cycles with voltages up to 345 Volts. Check with your local Power Company to determine if your current is 115 or 230 Volts at 50 or 60 cycles. If your current is 3-phase, one "leg" and "ground wire" can be used to obtain single-phase current of the same frequency.

When using Auricon Equipment "on location" where Alternating Current is not available, the Auricon Portable-Power-Supply Units are used. These Units are powered by storage batteries and generate 115 Volt Alternating Current of either 50 or 60 Cycles. The PS-15 Unit drives the Auricon Cine-Voice Camera, Model CM-72 and CM-72A, or the Pro-600 Special Model CM-77 Camera. The larger Auricon PS-21 Unit will drive any Auricon Camera plus the Model RM-30 or RT-80 Auricon Recorders for "double-system" synchronous work.

Types of Optical Sound-Tracks:

Auricon Cameras and Recorders are available with any one of three 16mm Sound-on-Film Recording Galvanometers. These are:

- 1. Auricon "Model T-70A" Unilaterial-Variable-Area, our economy priced recording Galvanometer for High-Fidelity sound-tracks; can be biased for noise reduction. ("RCA" type track)
- 2. Modulite "Model S" Noise-Reduction-Shutter Variable-Area, our High-Fidelity Galvanometer with "Biased" auxiliary-shutter for maximum (16 db) noise-reduction. Sound-track always runs perfectly centered in sound-reproducing scanning-beam of projector. ("RCA" type track)
- 3. Auricon "Model T-70D" Variable-Density, our Recording Galvanometer for High-Fidelity Variable-Density sound-track; can be "biased" for noise-reduction. Sound-track always runs perfectly centered in the sound-reproducting scanning-beam of projector. ("W.E." type track)

Noise-Reduction on Sound-Tracks:

When used with any of the above three Recording Galvanometers, "Noise-Reduction" bias on the sound-track reduces the background noise (which is like needle-scratch on a phonograph record) when the film is played on a sound projector.

"Variable-Area" or "Variable-Density" Optical Sound-on-Film:

"Variable-Area" sound-tracks can be used for all negative-positive or reversal B&W or Color sound-on-film recordings. However, when recording Variable-Area sound-tracks on B&W panchromatic-negative, the sound-track negative <u>must</u> be held below 1.2 silver density to prevent distortion in the resulting print, for excellent quality sound without "Gamma" Control.

"Variable-Density" sound-tracks can be used for all negative-positive or reversal B&W or Color sound-on-film recordings, and excellent results can be obtained from panchromatic-negatives when prints are required. However, Variable-Density sound-tracks must only be processed in a film laboratory with "Gamma" (grey-scale-contrast) Control during development, for professional sound quality.

APRIL 15, 1971

BACH AURICON, Inc.

6950 Romaine St., Hollywood, Calif. 90038



GENERAL PRICE LIST Page 12

Please specify the following when ordering:

- 1. Model Numbers of all equipment ordered, so that we can fill your requirements correctly.
- 2. Whether 50 or 60 cycle 115 volts. For operating 115 volt Auricon equipment from 230 volt power lines, use the stepdown transformer listed on Page 7. Converts 230 volts to 115 volts at 50 or 60 cycles.
- 3. Type of Recording Galvanometer: Variable-Area; Variable-Density; or MODULITE Model "S" Variable-Area Shutter-Noise-Reduction.
- 4. Type of Camera Finder or Door: Model SF-10 Finder; Auto-Parallax Model EIF-20 Finder: Zoom-Lens Door; etc.

Free Technical Advisory Service:

The Technical Advisory Service Department of Bach Auricon, Inc. will provide technical consulting service and detailed information on all phases of motion picture work, without charge. Please call on us at any time to assist you with your photographic and sound-recording "talking-picture" problems and questions.

> Technical Advisory Service Write to:

> > Bach Auricon, Inc. 6950 Romaine Street

Hollywood, California 90038

Guarantee and Warranty:

New equipment manufactured by Bach Auricon, Inc. is warranted to be free from defects in materials and workmanship and will be replaced without charge at the factory within one year from the date of delivery. This express warranty is in lieu of and excludes all other warranties. New equipment manufactured by Bach Auricon, Inc. is sold on a 30-day money-back guarantee. If you are not satisfied with the equipment, simply return it prepaid for shipping charges, and in new condition within 30 days from the date of purchase for a full cash refund.

BACH AURICON, INC.

MAIL YOUR ORDER TO: BACH AURICON, Inc.

6950 Romaine St.

HOLLYWOOD, CALIF. 90038

(We also specialize in World-Wide Insured-Safe Export Shipments)

Telephone:

(213) 462-0931

Telegram Address: BACH AURICON FAX, Hollywood, Calif.

Cable Address:

BERNDTBACH, Hollywood, California (U.S.A.)





MANUFACTURERS OF SOUND-ON-FILM RECORDING EQUIPMENT SINCE 1931





6950 Romaine St., Hollywood 38, Calif.



TECHNICAL FACT-SHEET No. 964

April 15, 1971

Page 1

ANGENIEUX - ZOOM LENSES 12-120 MM

USED ON AURICON CAMERAS

A) GENERAL INFORMATION.

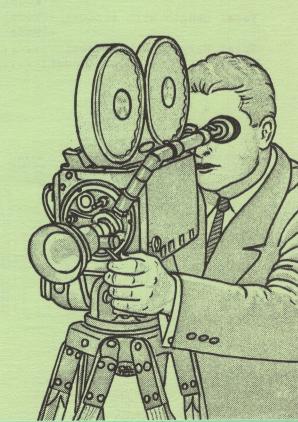
For over 50 years, pioneering work has been performed in various countries to develop varifocal lenses. From very early beginnings and simple designs, quite acceptable "rubber lenses" had been created before World War II, all featuring variations in zoom range, aperture and focal length. Considerable progress in zoom lens design was made after the war. But it was left to such a genius as Pierre Angenieux to solve the tremendous optical and mechanical problems involved in moving lens elements of different focal lengths, within the barrel of the lens, at the same time maintaining perfect control of all spherical, astigmatic and chromatic factors. This could be achieved only by optical elements and mechanical cams designed and built to extraordinarily precise tolerances. Thus, in 1962 - after many years of patient research - Ets.

Pierre Angenieux in France introduced a new zoom lens for 16mm motion picture cameras, with features before believed to be unobtainable.

This new Angenieux Zoom Lens has a 10-to-1 ratio, a zoom range from 12 to 120 millimeters, an aperture from f/2.2 to f/22, and a focus range from 5 feet (or approx. 1.50 meter) to Infinity. With its appearance the motion picture photographer can enjoy the creative advantages of a reflex zoom lens and still get professional quality sharpness through the entire 10-to-1 range. As a result the cameraman no longer has to carry numerous fixed focal length lenses or change camera positions, since the zoom lens allows perfect framing within the 12-120mm range.









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B) DESCRIPTION OF ANGENIEUX ZOOM LENS 12-120MM FOR 16MM AURICON CAMERAS.

The new 10:1 Angenieux Zoom Lens for 16mm motion picture cameras is supplied in black finish. Various mounts are available and for the Auricon camera a special Angenieux C-Mount Adapter is supplied with the lens.

The <u>reflex viewfinder system</u> makes the wide range of the lens even more practical, as no parallax correction is necessary and the action can be followed while zooming since the cameraman can see exactly what will appear on the film.

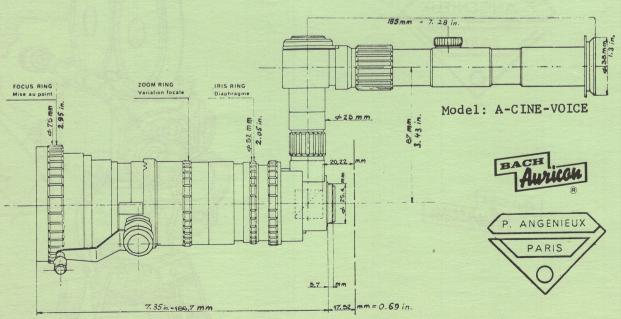
Ground glass focusing in the reflex viewfinder insures sharp images, especially when used at the longest focal length. Focusing is achieved by rotating the front component of the lens. A distance scale is engraved on the Focusing Ring.

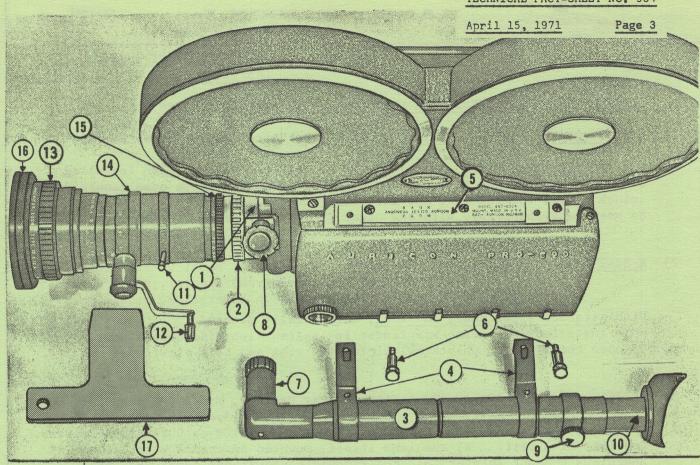
Zooming is done with the satin-chrome finished short zoom lever (for fast zoom) or by turning the brilliant-chrome finished crank handle (for extremely smooth traveling effects). The crank is pulled out to engage, and pushed in to disengage.

Aperture is set with the Iris Ring. F-Stops are marked in white numbers, T-Stops are engraved in red. For exact definition of T-Stops see Page 6 for explanations.

C) SPECIFICATIONS.

Zoom Range: 12 to 120 mm Aperture: f/2.2 to f/22 T-Stop Calibration in Red. Focus Range: 5 feet (1.50 meter) to Infinity Field Angles: 56° to 6° Light Transmission: 63% Total Length without finder: 7.35 in. $(186.7 \, \text{mm})$ - (Model A-CINE-VOICE. 14 in. (350 mm) Total Length with finder: - (Model A-AZO 17 in. (430 mm) (500 mm) -(Model A-AU-600/1200 20 in. Total Weight with finder: 3 1bs. (1.3 kilos) Total Weight without finder: 2-1/4 lbs. (1 kilo)





D) ANGENIEUX ZOOM LENS 12-120 MM

AND

AURICON PRO-600 SPECIAL CAMERA MODEL CM-77



- 1 Angenieux C-Mount.
- (2) Lens Locking Ring.
- Angenieux-Auricon Viewfinder.
- Wiewfinder Mounting Brackets.
- 5 Auricon Mount Bar.
- 6 Thumb Screws.
- (7) Coupling Tube.
- 8 Soft-rubber Gasket.
- (9) Eyepiece Locking Screw.

- Movable Eyepiece for proper adjustment to your eyesight.
- Lever for rapid zooms. May be used in four positions.
- Hand Crank for smooth slow zooms. Push in to release.
- (13) Focus Ring.
- (14) Zoom Ring.
- (15) Iris Ring.
- 16 Filterholder-Sunshade.
- T-Wrench for C-Mount Adapter.





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- E) DESCRIPTION OF ANGENIEUX ZOOM LENS MODELS FOR AURICON CAMERAS.
 - 1) K-7943 Model 10x12A CINE-VOICE: Fits Cine-Voice Camera, Model CM-72A.

With attached viewfinder, $7\frac{1}{2}$ " long, horizontally mounted. When installed on camera, viewfinder is located alongside camera door. To open camera door, unlock swivel locking ring and tilt viewfinder upwards. This zoom lens can be used interchangeably with any other Cine-Voice Camera.

2) K-8242 Model 10x12A AZO: Fits Cameras Cine-Voice, Model CM-72, Pro-600 Model CM-75, and Pro-600 Special, Model CM-77. Limited usefulness on Super-1200, Model CM-74.

With attached viewfinder, 10" long, horizontally mounted.
When installed on camera, viewfinder is located alongside camera door.
To open camera door, unlock swivel locking ring and tilt viewfinder upwards.

3) <u>K-7945 Model 10x12A AU-600</u>: Fits cameras Pro-600, Model CM-75 and Pro-600 Special, Model CM-77.

DOES NOT FIT CINE-VOICE or SUPER-1200 Cameras.

Consists of 3 parts: a) the lens itself, mounted on camera with Angenieux C-Mount Adapter; b) the removable viewfinder tube; c) the coupling which connects zoom lens and viewfinder tube.

Viewfinder tube, 12½" long, is removable from zoom lens and connects with the zoom lens approximately at a 45° angle, and extends across the camera top to total length of the camera, and protrudes about 1" beyond the installed magazine. This viewfinder arrangement allows comfortable focusing with either right or left eye, even for cameramen wearing glasses. No interference with camera door, which can be opened without removing lens or viewfinder.

Viewfinder tube affixed to camera top with two brackets, held with two thumb screws. In order to make this arrangement dependable, our engineers have designed a special <u>Bach-Angenieux Mount</u>. It consists of a metal bar mounted on the outside of camera and a supporting bar on the inside of camera.

Another feature, added by our engineers and much appreciated by cameramen, is the phasing pin inserted into the C-Mount Adapter. Precision doweled into place, and engaging into a matching hole drilled into the lens seat, this arrangement eliminates all the usual problems of orienting the lens to the horizon. Zoom lens and C-Mount Adapter are factory matched for optical perfection and should always be used together. In case of need when using non-matching lens and adapter, the phasing pin can easily be removed.

In view of these special features, this Angenieux zoom lens model must be custom-fitted at the factory by our optical specialists to an individual Pro-600 or Pro-600 Special camera.

4) <u>K-7944 Model 10x12A AU-1200</u>: Fits Super-1200 Camera, Model CM-74.

Features similar to our K-7945, except for slight changes necessary to mount viewfinder on Super-1200 Camera. This lens must also be custom-fitted at the factory by our optical specialists.

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F) HOW TO MOUNT YOUR ANGENIEUX ZOOM LENS 12-120 MM ON YOUR AURICON CAMERA PRO-600 MODEL CM-75, PRO-600 SPECIAL MODEL CM-77, SUPER-1200 MODEL CM-74

Step 1: Insert Index Pin (a Bach Auricon exclusive)
of Angenieux C-Mount Adapter (1) into the
precision machined pin hole at C-Mount Lens
Seat on Auricon Camera.

Tighten Angenieux C-Mount Adapter on Lens-Turret, using special Angenieux-Auricon Wrench supplied.

This Bach Auricon exclusive feature phases Zoom Lens to Camera perfectly in 20 seconds with no field adjustment needed!

Step 2: Insert Angenieux Zoom Lens into Angenieux C-Mount Adapter 1.

Turn Lens Locking Ring 2 clockwise until lens is solidly locked.

Step 3: Mount Angenieux-Auricon Viewfinder (3) by placing Viewfinder Brackets (4) on holes of Auricon Mount Bar (5) and fasten brackets with two Auricon Thumb Screws supplied (6).

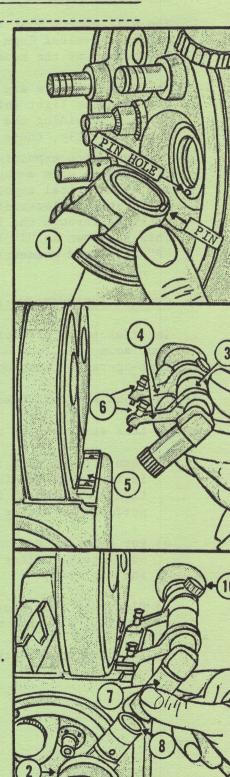
Leave Coupling Tube (7) locked in lifted

Leave Coupling Tube (7) locked in lifted position.

This Bach-Auricon exclusive feature is rugged enough to use finder as an auxiliary handle without disturbing the built-in precision of the Angenieux Zoom Lens!

- Step 4: Unscrew Coupling Tube (7) from its lifted position on the finder tube and gently lower into position, coupling the Viewfinder and Zoom Lens optically. Soft-rubber gasket (8) seals out light and dust.
- Step 5: Adjust Movable Eyepiece (10) to your eyesight and zoom lens is ready for operation.







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G) "T" Stop Calibrations.

You will notice that two different calibrations are engraved on the Iris Ring of the Angenieux Zoom Lens 12-120mm: White numbers on top and red numbers on the bottom of the zoom lens.

The white numbers are "F" Stops, and the red ones "T" Stop values. "F" Stops are based on light entering the lens and are calculated mathematically on the basis of dividing the focal length of the lens by the diameter of the diaphragm. Until recently, these stops were the only ones used.

However, when exposures became more critical, especially for color films, differences were encountered in exposure between various lenses even when set at identical exposure values. This has led to a new type of lens calibration, electronically calculated, based upon actual transmission of light through the lens, without any loss due to reflection or absorption. This is known as "T" (Transmission) Stop. "T" Stops are more accurate than "F" Stops and whenever available should be used.

H) GENERAL INSTRUCTIONS FOR ANGENIEUX ZOOM LENSES.

In order to obtain optimum performance from and best photographic results with your zoom lens, you must observe several special rules in addition to basic lens-operating instructions.

- 1) Front and rear element of zoom lens must be perfectly clean.
- 2) Lens seat must be clean and free from grit or foreign matter.
- 3) When fitting zoom lens to camera, make sure that Angenieux C-Mount Adapter is firmly seated into lens mount and that Lens Locking Ring holds zoom lens tightly seated in C-Mount Adapter. Any looseness or clearance can ruin the performance of the zoom lens.
- 4) For focusing set zoom position at its maximum focal length and open iris completely. After Focus Ring has been set, zoom lever can be used in any position.
- 5) Plan your zoom shots with reason. Avoid zooming too fast or too much. Usually, slow and unobtrusive zooms are much more effective.
- 6) For good zoom shots camera should be mounted on an Auricon Tripod.





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I) WARRANTY AND SERVICE.

The Angenieux Zoom Lens 12-120mm is manufactured by Ets. Pierre Angenieux in France and represents the product of finest craftsmanship in lens making. The Angenieux factory covers its lenses with the usual manufacturers' warranty against defects in material or manufacture. Bach Auricon, Inc., by listing Angenieux zoom lenses on its own Auricon invoices, represents the Angenieux factory and will assist in any way possible when performance problems are encountered with Angenieux zoom lenses supplied by Bach Auricon, Inc.

However, it should be clearly understood that the warranty for Angenieux zoom lenses signifies FOB Factory in France. Therefore, should it become necessary to return a lens to the factory in France for service under warranty, shipping expenses and delays due to distance and Customs formalities have, unfortunately, to be expected.

For Service, we carry a small stock of accessories for Angenieux Zoom Lenses 12-120mm, such as adapters, mounting brackets and rubber eyepieces. You may consult our Technical Advisory Service for any service problems you encounter with your Angenieux zoom lenses, even though service on optical or mechanical parts of Angenieux zoom lenses can only be provided by the Angenieux factory in France.

NEVER ATTEMPT TO ADJUST OR REPAIR YOUR ZOOM LENS YOURSELF SPECIAL INSTRUMENTS ARE NEEDED FOR PROPER ADJUSTMENT !

BACH AURICON, Inc.

6950 Romaine Street, Hollywood 38, Calif.

HOllywood 2-0931 ... Area Code 213



















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Australian Broadcasting Commission Catholic Film Productions Herald Sun TV Pty. Limited Independent Television News, Ltd. Sixteenth Olympiad Television Corporation Ltd. Video Film Corporation Pty. Ltd.

AUSTRIA

Filmtechnik, J. Zabloudil International Atomic Energy Comm.

BELGIUM

Société Belge Industrielle

U. S. Operations Mission

BRAZIL

Escritorio Tecnico de Agricultura Pan American Press and Film Ltd.

BURMA

A-1 Film Company, Limited State Film Promotion Board

CANADA

CFRN - TV CHAB - TV

CHCT - TV CHEK - TV Limited

CKCK - TV

CKNX - TV
Canadian Broadcasting Corp.
Canadian Dept. of Defence Production
Channel 12 Limited
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Notre Dame Hospital
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Toronto Board of Education

CEYLON

Lanka Nawajeewana Movietone Ltd.

CHILE

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Lions International

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DENMARK

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Dept. de Education Secundaria

ENGLAND

British Broadcasting Corp.
Granada TV Network Limited
Independent Television News
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Park Pictures, Ltd.
Rank Precision Industries, Ltd.
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FEDERATION OF MALAYA

Prime Minister of Malaya

FRANCE

North Atlantic Treaty Organization Radiodiffusion-Télévision Française (RTF)

GERMANY

NBC Newsfilm, Central Europe Suedwestfunk Siemens & Halske A.G.

GREECE

Fono-Film Corp.

GUATEMALA

Productora Cinematografica Gualtemateca

NETHERLANDS

Nederlands Universitair Instituut

HONG KONG

Elephant Radio Service

INDIA

Projection of India Pictures

INDONESIA

U. S. Foreign Service Department

IRAN

Princess Shams Pahlevi

IRAO

Baghdad Studio for Film & Cinema Co. Ltd.

IRELAND

J. J. Roche & Co., Ltd.

ISRAEL

United Film Works Limited

ITALY

R.A.I. Italian Radiotelevision Southern European Task Force

JAPAN

Christian A-V Center Majestic Radio Studios Osaka Christian Mission

KENYA

Minni Cine Films

LEBANON

Studio Georges Chammas

LIBY

U. S. Operations Mission

MEXICO

Centro Regional de Education Filmo Rex Instituto Politecnico Nacional Instituto Tecnologico de Guadalajara Television de Mexico XHNL - TV

MONACO

Prince Rainier III

MOROCCO

International Films

NEW ZEALAND

A. H. Reynolds Film Productions

NORWAY

Norwegian Broadcasting Television Syekon Film

OKINAWA

G.K.L. Film & Sound Studios

PAKISTAN

Government of Pakistan

PANAMA

International Photo, Inc.

PERU

Radiales & Television "El Sol" Radio America - TV

PHILIPPINES

Chinese Commercial News

PUERTO RICO

WIPR - TV

SOUTH AFRICA

South African Broadcasting Corp. Springbok Films & Theatres Stafford Smith Films

SOUTH RHODESIA

Central African Film Unit

SWEDEN

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SWITZERLAND

Max Lussi

THAILAND

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URUGUAY

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Alpha Radio

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Caterpillar Tractor Company Cessna Aircraft Company The Church of Jesus Christ of Latter Day Saints Civil Aeronautics Administration The Cleveland (Ohio) Board of Education Cleveland (Ohio) Police Department Colgate Palmolive-Peet Company College of the Pacific Colorado Agricultural & Mechanical College City of Colorado Springs Police Department Columbia Broadcasting System, Inc. Columbia College Columbia Pictures Communication Workers of America Compton (Calif.) Junior College District Convair Division of General Dynamics Bing Crosby Enterprises, Inc. Dade County (Florida) Board of Public Instruction Detroit Board of Education

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