Today's most advanced photographic equipment



an

illustrated

survey of

BELL & HOWELL

cine cameras

cine and slide projectors

and accessories.

May 1960





Cine photography is *not* a hobby for the "advanced amateur" only. Obscure technical know-how is *not* necessarily required.

Basically it is just a matter of ...



LOADING THE FILM . . .

SETTING THE EXPOSURE
(with the Bell & Howell
Autosets even this is unnecessary!)...





SHOOTING YOUR SUBJECT

sending the exposed film off to the manufacturers for FREE processing . . .



and, in a few days, it arrives back ready for showing to the family and friends by the comfort of your own fireside.



It couldn't be more s

So you're taking up cine...



The fact that you are reading this booklet shows that your interest has already been aroused by this most fascinating of hobbies.

Perhaps you have already tried your hand at 'still' photography and now want to extend the scope of your filming opportunities — and enjoyment — by taking movies.

Or, possibly, you are a complete newcomer to photography—still or cine — and find yourself bemused by the vast number of different types of equipment in your local dealer's shop. Or, maybe, you are already a keen cinematographer wishing to change your old equipment for something more up-to-date. Whatever, or whoever, you are we hope this little book will help you in your choice of equipment. In the pages that follow are illustrated and described the cameras, projectors and accessories produced in the famous Bell & Howell range. Because of the wide range available you might at first wonder as to which is best suited to your needs. 16 mm or 8 mm? With or without lens turret? Coupled exposure control or manual setting?

To help you answer these — and other — questions, let us take a good look at the equipment in detail . . .

A similar dial is engraved adjacent to the lens on the AUTOLOAD and MODEL 627 cine cameras. This is used in conjunction with the famous Sunomatic lens and allows for speedy and accurate exposure setting.

Where neither the setting dial or automatic exposure control are fitted, a simple calculator is attached to the side of the camera. This covers the entire range of filming conditions and allows rapid calculation of exposure and correct lens setting.



What sort of film?

In both 8 mm and 16 mm gauges you can choose between colour and black-and-white film. Both include the cost of processing in the original price of the film and, when returned from the processing laboratory, are ready to screen on your projector.

All the Bell & Howell 8 mm cameras are spool-loading. This means that you buy your film wound tightly round a metal, light-proof spool. This is simplicity itself to load — an operation which can be performed even out-of-doors provided you find a shady corner.

Bell & Howell 16 mm cameras offer two types of film loading. The MODEL 627 utilises spool loading as described above, whilst the AUTOLOAD and AUTOLOAD TURRET cameras embody magazine loading. These magazines are loaded with film by the manufacturers before purchase. To use them, you simply open the camera and slide a magazine into the empty body. Each magazine

embodies its own footage counter so that you can keep a check on the amount of film used.

What are the advantages of magazine loading? Simplicity in use and the fact that you can change from one type of film to another even if the one you already have in the camera is only half used. An advantage which, for many purposes,

compensates for the slightly higher price of the film.

Carrying cases



The camera you buy is a precision made instrument cap giving the finest possible pictures. It is *not* a delicate paparatus (Bell & Howell cameras have been up Mount I into the Arctic wastes and across burning deserts!) but, at the time, your camera must be handled with the same care as an precision instrument.

For a little extra outlay it is well worth considering the pure a carrying case to preserve that direct-from-the-factory app of your new possession.

Many types of cases specially designed to afford the maprotection to each Bell & Howell model are available. Dethese are on page 24.

By the way, this is an accessory you don't have to worry abou you buy a Bell & Howell 8 mm camera. These are always s complete with a superb ever-ready type leather case.



Finally — a word about projectors

When you have bought your camera and takfirst movie you will be eager to see it and show it to your fa and envious friends.

For this you will need a projector.

Bell & Howell have several — for both 8 mm and 16 mm the cameras, they are precision made instruments. You them illustrated from page 15 onwards.

At the moment we will only mention the 8 mm projector and *silent* film 16 mm projector. Sound film projectors are more fully described on pages 17 to 19.

In 8 mm, Bell & Howell offers you the MOVIEMASTER. This operates from mains electricity supply — simply plug in, switch on, sit back and enjoy the show!

The film threading is as easy as for the cameras and one fully loaded 400 foot reel will give you *over half an hour* of uninterrupted projection.

And when the show is over, the projector will wind the film back for you, ready for when you next want to see it.

If you wish to show your film in a neighbour's home you can carry the MOVIEMASTER as easily as a small suitcase. It weighs only 17 lbs. and packs away into its own smart protective cover.

The 16 mm silent film projector is the MODEL 613. Like the MOVIEMASTER just described, this plugs direct into the mains, embodies power rewind and is simple to thread. In addition, on the MODEL 613, any section of a film can be projected in reverse as required. A device is also incorporated to allow individual frames of your film to be projected on the screen as "still" pictures.

A carrying case is available as an extra at small additional cost.

Which gauge - 16 mm or 8 mm?



This is the question beginners usually ask — and it's a difficult one to answer. It depends so very much on what you want out of your equipment — and also on what you are prepared to spend.

If your filming interest tends towards family movies — holidays, weddings, social gatherings and so on — then 8 mm will serve you well. The equipment is compact, lightweight, inexpensive and very simple to use.



choose wisely.

16 mm is often regarded as the "professionals' narrow gauge", and, indeed, many films seen on television have been shot on Bell & Howell cameras.

But this does not mean that the equipment is any more complicated to operate. Indeed, much thought has gone into its design to produce cameras and projectors which are as light and easy to handle as possible.

Naturally, 16 mm film is more expensive than 8 mm, and this is often the determining factor in deciding between the two gauges. But, whichever you choose, if you buy Bell & Howell you

8 mm

A note about prices

The prices quoted in this booklet include Purchase Tax where appropriate.

In the case of the 16 mm cameras the price includes a specified lens. It is possible, however, to purchase any of these cameras with a lens other than that mentioned. Your Bell & Howell dealer will be happy to calculate the cost for you once you have made your choice.

All prices are subject to alteration without notice.

We hope we have helped you in your choice of equipment.
On the pages that follow you wi find illustrations of the full range Bell & Howell equipment — including slide projectors. Equipment which has behind it a tradition of optical and mechanic efficiency built by long service to the professional film industry throughout the world.

When you buy Bell & Howell you invest in a lifetime of pleasure at trouble-free filming.

Pag	e	
I	So you're taking up cine	
7 8 9	Sundial Cine Camera Autoset II Cine Camera Autoset Turret Cine Camera Sportster Tri-lens Cine Camera	8 mm CAMERAS
11 12 13 14	Autoload Cine Camera Autoload Turret Cine Camera Model 627 Cine Camera Model 70DR Cine Camera	16 mm CAMERAS
15	Moviemaster 8 mm Projector Model 613 16 mm Projector	SILENTPROJECTO
17 18 19	Introduction to Sound Filmosound 631 Projector Filmosound 640 & 636 Projectors	SOUND PROJECTO
21	& 21 8 mm Camera Lenses & 22 16 mm Camera Lenses Lens Attachments Projection Lenses and Filters	LENSES
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BELL & HOWELL 32 G.B. Film Library
III Table of Projected Picture Sizes



Sundial

8 mm CINE CAMERA

Features exclusive Sundial control for simple exposure setting. Simply turn dial to appropriate weather symbol and the aperture is automatically set for perfect pictures. Fast 10 mm f/1.9 coated lens for movies in all practical light conditions without the need to focus.

FEATURES

- Uses standard double-run 8 mm film.
- Picture window viewfinder.
 - "Three-Way" starting button.
- Governor controlled motor.
- Rugged die-cast construction

- Fast 10 mm f/1.9 coated lens.
- Simple, error-proof film threading.
- Long film run.
- Easy-to-read footage indicator.



PRICE £23 15s. 7d. complete with English Hide ever-ready carrying case.



Autoset II

8 mm CINE CAMERA

Even if you have never held a cine camera before, you can take brilliant movies with the Autoset II *every time!* The amazing Bell & Howell Electric Eye sets the camera lens for correct exposure *automatically and continuously*. It never guesses, never makes a mistake.

FEATURES

- Film speed index control enables you to set the Electric Eye to give perfect pictures on any type of film (10 to 40 A.S.A.)
- Fast 10 mm f/1.9 coated lens.
- "Three-Way" starting button.
- Long film run.
- Easy-to-read footage indicator.

- Uses standard double-run 8 mm film.
- Simple, error-proof threading.
- Picture window viewfinder
- Governor controlled motor
- Rugged die-cast constructi



*If you wish to film under unusual lighting c ditions or experiment with special effects, photo-electric cell can act as a normal expos meter. You simply take a reading from it, turn exposure control dial to "Manual" and set the l as for a normal camera.

PRICE £41 16s. od. complete with Eng Hide ever-ready carrying case.



Autoset Turret

8 mm CINE CAMERA

The latest addition to the Bell & Howell 8 mm Electric Eye range, this new camera combines the advantages of fully automatic filming with the extreme versatility of a three-lens turret.

The quick-action springloaded turret with its three fast, colour-corrected lenses — normal, wide angle and telephoto —makes you master of every filming situation.







TELE

WIDE ANGLE

NORMAL

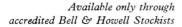
FEATURES

- Uses standard double-run 8 mm film.
- Three lens turret embodies fast f/1.9 6.5 mm, 10 mm and 25 mm coated lenses.
- Simple, error-proof film threading.

- "Three-Way" starting butto
- Picture window viewfinder.
- Long film run.
- Governor controlled motor.
 - Easy-to-read footage indicate
 - Rugged die-cast construction.









Sportster

8 mm CINE CAMERA

Built to an unequalled basic design, the Bell & Howell SPORTSTER TRI-LENS has remained unaltered sinception. Time and usage have proved that it cannot bettered in its field.

Owning a SPORTSTER TRI-LENS means that you hat your command the means of producing the most ambitious movies within the scope of 8 mm filming.

FEATURES

- Uses standard double-run 8 mm film.
- Three lens turret spring loaded for accurate location accepts standard "D" mount lenses with matching positive viewfinders.
- Five precise operating speeds 8, 12, 16, 24 and 32 frames per second. (Speed dial is individually calibrated by hand to ensure absolute accuracy).
- Wide range of world Taylor Hobson lens able (See pages 20
- Long film run.
- "Three-Way" star button.
- Governor controlle
- Geared footage i
- Critical focuser f
- Rugged die-cast construction.

PRICE £49 13s. 11d. complete with $12\frac{1}{2}$ mm f/1.9 "Serital" focusing lens and critical focuser. (Without critical focuser — £42 7s. 5d.)

FOR DETAILS OF CARRYING CASES SEE PAGE 24



Magazine film loading is quick and simple. Merely open camera, slide magazine into empty body and you're ready to film!



BELL & HOWELL

Autoload

16 mm CINE CAMERAS

There are two AUTOLOAD cameras available — the SUNOMATIC AUTOLOAD and the AUTOLOAD TURRET. The basic specification (outlined at the bottom of page 12) is the same for both cameras.

SUNOMATIC AUTOLOAD

Simply dial up the weather for perfect pictures! Turn the exclusive Bell & Howell Sunomatic pointer to the correct weather symbol, press the starting button and you're taking wonderful colour movies.

For the beginner, the Sunomatic control means ease of operation and first class films. For the expert it brings perfection and versatility, because the lens can be set so quickly that no movie-making opportunity need ever be missed. Incidentally, the Sunomatic lens may be removed if desired and replaced by any standard "C" mount 16 mm lens (see pages 21 & 22).

speed is also the keynote of the magazine-loading feature. No need to thread the film — magazines are pre-threaded and can be loaded into the camera in a second — even in brilliant sunlight. You can change from colour to black and white film at any moment, even half way through a film, without fogging a single frame.



SUNOMATIC AUTOLOAD

£75 17s. 1d. complete with 20 mm. f/1.9 "Sunomatic" lens.

£89 16s. od. complete with I'' f/I.4 "Ivotal" lens.

AUTOLOAD TURRET

£87 3s. 9d. complete with I'' f/I.9 "Serital" lens. £101 2s. 9d. complete with I'' f/I.4 "Ivotal" lens.

BELL & HOWELL

Autoload Turret

16 mm CINE CAMERA

Similar to the SUNOMATIC AUTOLOAD in most respects the AUTOLOAD TURRET features a dual lens turret in place of the Sunomatic control. This turret, which is spring loaded fo accurate location, accepts standard "C" mount 16 mm lenses with matching positive viewfinders (see pages 21 & 22). To ensurapid lens changes, the turret plate is rotated on a central swing pivot and the selected lens and viewfinder are instantly located in the filming position.

FEATURES common to both the AUTOLOADS

- Use standard magazines of 16 mm film (50 feet capacity).
- "Three-Way" starting buttoLong film run.
- Five precise operating speeds 16, 24, 32, 48 and 64 frames per second. (The speed dial is individually calibrated by hand to ensure absolute accuracy.)
- Governor controlled motor.
- to ensure absolute accuracy.)

 Ratchet-type winding handle.
- Built-in exposure calculator is use with accessory lenses.
 - Attractively finished in bla leatherette and satin chrome.





Model 627

16 mm. CINE CAMERA

Representing the best in quality and economy, the MODEL 627 is the ideal camera for the "big picture" enthusiast.

The principal features which recommend this camera to 16 mm users are its dual-lens turret, Sunomatic control dial and super-powerful motor — one effortless wind gives the incredible run of 32 feet representing nearly 80 seconds of continuous filming at normal speed.

Loading, too, couldn't be simpler. The MODEL 627 accepts either 50 or 100 foot spools. To load, just drop in the spool, insert the film end into a channel and press the starting button. In an instant the camera is ready for shooting!

FEATURES

- Uses standard spools of 16 mm film (50 or 100 feet capacity).
- Dual lens turret spring loaded for accurate location — accepts standard "C" mount 16 mm lenses with matching positive viewfinders (see pages 21 & 22).
- Five precise operating speeds 8, 16, 24, 32 and 48 frames per second. (The speed dial is individually calibrated by hand to ensure absolute accuracy.)

- "Three-Way" starting butto
- Super-powerful governor co trolled motor.
- Reserve power dial (shows you when to wind motor).
- Easy-to-read footage counter
- Attractively finished in leatherette and satin chrome



PRICE £87 3s. 9d. complete with 20 m f/1.9 "Sunomatic" len

Price £192 10s. od. complete with I'' f/I.9 "Serital" lens.

(Compartment case extra at £11 is. 8d.)



BELL & HOWELL

Model 70DR

16 mm CINE CAMERA

The MODEL 70DR is a camera much favoured by professional cameramen and amateur film makers everywhere. Its solid dependability and ease of handling make filming a real pleasure.

FEATURES

- Uses standard spools of 16 mm film. (50 or 100 feet capacity).
- Three lens turret accepts standard "C" mount lenses with coupled positive viewfinders (see pages 21 and 22).
- Seven precise operating speeds — 8, 12, 16, 24, 32, 48 and 64 frames per second. (The speed dial is individually calibrated by hand to ensure absolute accuracy).

- Governor controlled motor.
- "Three-Way" starting button.
- Hand crank for extra long runs and special effects.
- Critical, through-the-lens focusing.
- Geared footage counter.

Other versions of this popular camera are available embodying electric motor drive, external 200 and 400 feet film magazines and super-speed motor for extreme slow motion effects. A fully detailed leaflet will gladly be supplied on request.



Moviemaster

8 mm PROJECTOR

The perfect partner for your 8 mm cine camera. The brilliant light output from the revolutionary "Truflector" lamp sets a new standard in 8 mm projection of colour films.

The unique Taylor Hobson "Filmovara" lens, a masterpiece of modern lens design, permits fingertip control of picture size in a second — no equipment to move — no matching of screen to projector — simply "zoom to fit the room".

FEATURES

- Projects standard 8 mm film.
- Simple, error-proof film threading.
- 400 feet film capacity.
- Recessed film gate for complete film protection.
- Single 3-position switch controls motor and lamp.

- Variable speed control.
- Motor driven rewind.
- Quick action tilt contro
- Self lubricating mechan
- Operates from 200 to volts AC mains supply.
- Embodies its own sincarrying case.



PRICE £36

complete with "Filmovara" lens.

£33 with standard "Increlite" f/1.6 lens in place of "Filmovara".



Model 613

16 mm PROJECTOR

For the projection of flickerless, steady pictures the MODEL 613 is without equal. Error-proof controls, conveniently placed, ensure faultless operation.

Moreover, the MODEL 613 features "safe-lock" sprockets to ensu correct film threading. These sprockets, provided with only a single row of teeth, permit the projection of either double or single perforated 16 mm film stock.

FEATURES

- Silent projection of all standard 16 mm films.
- Simple, error-proof film threading.
- 800 feet film capacity.
- Recessed film gate for complete film protection.
- Motor and lamp controlled by independent switches.
- Variable speed control.

- Motor driven high-speed rewind.
- Pilot light.
- Still picture projection co
- Reverse projection contro
- Accepts 750 watt pre-fo
- Quick action tilt control.
- Operates from 200 to 250 AC mains supply.

PRICE £90 complete with 2" projection lens and 750 watt lar

(Carrying case available as an extra at £6 6s. od.)



Ambitious 16 mm camera users will, sooner or later, want to add the magic of sound to their pictures. This can be done in many ways — by playing gramophone records or tape recordings with their own commentary added, or, by actually recording sound on to the film itself and playing it back simultaneously with the showing of the picture on one projector.

Difficult? Requires expert knowledge and ability? Not a bit of it! The Bell & Howell FILMOSOUND 640 illustrated on page 19 makes sound recording as simple as movie taking!

The principle is very easy to understand. Imagine your commentary, music and sound effects recorded on a tape recorder. If you play this when you project your film you will probably find that it is impossible to keep sound and picture matching — or "synchronised" as it is commonly called. For instance, you might have a picture on your screen of a door being slammed. The sound of the slam might occur a few irritating seconds before or after the actual action. Imagine, now, that your tape recorder has become part of the projector — is actually built into it. Your commentary, music, and effects, instead of being recorded on a separate piece of tape are now recorded on a sensitised "stripe" which runs down the side of your film. This "stripe" can be added to your film after it is returned from processing.

The first time you project this film you simply sit beside the projector and speak your commentary into a microphone which is plugged into the amplifier. A gramophone can also be plugged into another inlet in order to add music and effects.

Complete your audiences' entertainment—give them sound with your home movies.

Having run the film completely through the projector it is rewout (the motor does this for you on the FILMOSOUNDS) and the projected again. This time you will hear the sound you record being faithfully reproduced by the powerful amplifier in completely synchronisation with the pictures.

But this is not all.

The FILMOSOUND 640 will also play back optical sound track. These are the professionally produced tracks which are used cinemas throughout the world. Many of these professional filr are available for hire on 16 mm from the G.B. Film Library at can be projected on the equipment which is described in t following pages.

Now, not only can you add sound to your own movies, but you ca by owning a FILMOSOUND projector, present really profe sional film shows for family and friends by your own fireside!

So far we have described only the FILMOSOUND 640.

There are two other models available in the range — the FILMO SOUNDS 631 and 636.

In appearance and performance the three projectors are identical but it must be noted that the models 631 and 636 will reproduce only professionally made optical sound tracks.

"Compact" versions are available of each model with builting removable 6" speakers. But, of the three projectors, the 636 is the most portable as it requires no transformer. Think of it — ever thing you need for perfect sound movie shows contained in or single, easily carried unit.

A recently introduced version of the FILMOSOUND 631 (the 631 S permits magnetic strip to be reproduced but not recorded.

Filmosound

631

16 mm SOUND PROJECTOR

Acknowledged the ideal, general purpose machine for large or small audiences. Simple to operate, this versatile equipment incorporates all the necessary features for perfect sound projection.

A version of this model — the 631SP — is ideally suitable for use as a "slave" machine for the projection of films which incorporate a magnetic track recorded on a "master" model 640.



Features

- Project standard 16 mm sound or silent fi
- Simple, error-proof film threading.
- 2,000 feet film capacity gives up t uninterrupted showing.
- Recessed film gate for complete film prote
- Accept 1,000 watt pre-focused lamp.
- Governor-controlled motor speeds.
- Still picture and reverse projection contr
- Powerful, printed circuit amplifier read to a high quality public address system microphone or record player.
- Exclusive factory-sealed system of perma tion.
- Motor driven high-speed rewind.
- Automatic pilot light.
- "Safe-lock" sprockets.
- Motor and lamp controlled by independ
- Operate on 110 volts AC mains supp. FILMOSOUND 636 which operates dis to 250 volts).

Descriptive literature giving more detailed information about sound projectors is available free from your dealer or direct from: Rank Precision Industries Ltd., Mitcheldean, Glos.

Filmosound

640

16 mm SOUND PROJECTOR

BELL & HOWELL

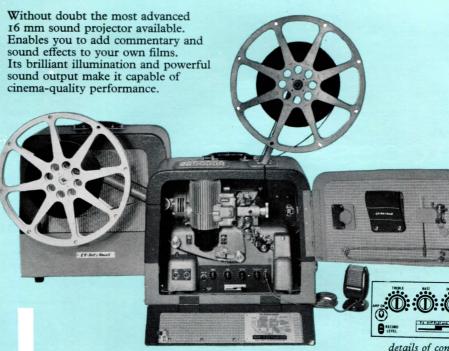
Filmosound

636

16 mm SOUND PROJECTOR



The "lightweight" of the FILMOSOUND family. Designed for a lifetime of trouble-free service, the 636 has ample light and sound output for most locations. In the case of the "compact" version, the 6" speaker built into the projector case makes this one of the most portable of all sound projectors.



PRICES

FILMOSOUND 631S

£246 complete with 2" projection lens, 750 watt lamp and

FILMOSOUND 631C "COMPACT" £219 complete as for model 631S above but with built-in 6" speaker replacing 12" speaker.

FILMOSOUND 631SP £270 complete as for model 631S above but with the addition of a plug-in magnetic play-back head.

FILMOSOUND 631CP "COMPACT" complete as for model 631SP above but with built-in 6" speaker replacing 12" speaker.

FILMOSOUND 636 £221 10s. 0d. complete with 2" projection lens, 750 watt lamp and 8" speaker.

FILMOSOUND 636S complete as for model 636 but with replacing 8" speaker.

FILMOSOUND 636C "COMPACT" complete as for model 636 but with speaker replacing 8" speaker.

FILMOSOUND 640S

complete with 2" projection lens, 750 w speaker and microphone.

FILMOSOUND 640C "COMPACT complete as for model 640S above but 6" speaker replacing 12" speaker.

(Transformer for use with either 631 o £18 extra.)

FILMOSOUND projectors are available only through accredited Bell & Howell Stockist

Accessories



Lenses for your Camera and Projector

Technical superiority and traditional craftsmanship go hand in hand in the production of the Taylor Hobson lenses illustrated in the following pages. Their outstanding qualities have long been realised in the motion picture industry — eight out of ten Hollywood studio cameras are equipped with Taylor Hobson lenses.

These famous lenses combine precision with practical design. The lens barrel is finished in a pleasing and durable satin chrome, focusing and aperture setting rings are fluted for easy operation, and scales are deeply engraved to give clarity and accurate adjustment. Moreover, all the lenses are fully corrected for use with colour film and glass surfaces are hard-coated to increase light transmission and improve image contrast.

8 mm Camera Lenses (For the BELL & HOWELL Sportster Tri-Lens and all 8 mm cameras using standard "D" mount).





6½ mm f/1.75 universal focus "Pelotal" PRICE £23 5s. 0d



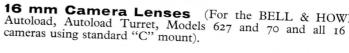


 $12\frac{1}{2}$ mm f/2.5 universal focus "Trital" PRICE £6 19s. 6d



 $12\frac{1}{2}$ mm f/1.9 focusing lens "Serital".

PRICE £13 19s. 0d.





0.7'' f/2.5 focusing lend Wide Angle.

PRICE £20 18s. 6€



1'' f/1.9 focusing lens "Serital".

PRICE £20 18s. 6d.



1" f/1.4 focusing len "Ivotal".

PRICE £34 17s. 6d



 $1\frac{1}{2}$ " f/1.9 focusing lens "Serital".

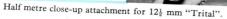
PRICE £24 8s. 3d.





1'' f/1.9 focusing lens "Serital".

PRICE £20 18s. 6d.



PRICE 14s. 6d.







2" f/2 focusing lens "Telekinic".

PRICE £27 18s. 0d.





2.8'' f/2.8 focusing lens "Telekinic".

PRICE £,31 7s. 9d.





4'' f/4 focusing lens "Telekinic".

PRICE £34 17s. 6d.





6" f/4.5 focusing lens "Telekinic" PRICE £58 2s. 6d.

16 mm Positive Viewfinders

to match lenses listed



PRICE £2 8s. 10d.

1"
PRICE £2 3s. 7d.

2"
PRICE £2 8s. 10d.

2.8"
PRICE £2 12s. 4d.

4"
PRICE £2 18s. 2d.

6"
PRICE £3 3s. 11d.

0.7"

Lens Attachments



The Wide Angle Attachment increases the area covered by the normal 10 mm lens by 50%. Invaluable for filming large groups of people, panoramic landscapes and in restricted spaces.

PRICE: £9 19s. 8d. complete with leather case.

The Telephoto Attachment takes a close-up at a long distance. An object at 100 yards can be brought within the equivalent of 20 yards. The perfect solution to those "hard to get" shots of children at play, birds and animals.

PRICE: £9 19s. 8d. complete with leather case.

LENS CAPS

Front and rear metal lens caps give complete protection from dust and moisture in addition to safe-guarding the lens from accidental damage. They are supplied to fit any of the lenses listed.

Lens attachments differ from les in that they are screwed in from the lens elements already moun in the camera to provide a differ focal length.

For the SUNDIAL and AUTOSET II cameras there are such attachments:





PRICES:

Metal front lens cap 98
Metal rear lens cap 58
Rubber front lens cap 28
Telephoto or wide angle attacl rear lens cap 28
Telephoto or wide angle attacl front lens cap 88

Projection Lenses

A complete range of the renowned Taylor Hobson high-resolution lenses is available for all Bell & Howell 16 mm projectors.

8 mm users have the choice of the popular Taylor Hobson "Increlite" or the amazing "Filmovara" zoom-to-fit-the-room lens.



8 mm

20 mm, I" and $1\frac{1}{2}$ " "Increlite" f/1.6 PRICE £5 10s. od. each.

"Filmovara" 15 to 20mm f/1. variable focal length projection lens provides finger-tip control of picture size. PRICE: £8 10s. od.

*Specially designed "High Resolution" lenses for specialised use demanding the most critical screen definition.

16 mm

I" f/1.9 £10 os. od. $2\frac{1}{2}$ " f/1.65 £15 os. od. $1\frac{1}{2}$ " f/1.9 £12 os. od. 3" f/1.8 £16 os. od. $1\frac{3}{4}$ " f/1.5 £21 os. od. $3\frac{1}{2}$ " f/2 £21 os. od. 2" f/1.6 £7 1 os. od. 4" f/2.2 £21 os. od. $2\frac{1}{4}$ " f/1.6 £21 os. od.*

Filters

Filters are available for the SUN AUTOSET II and AUTOSET TURRET cameras.

What they do

Both these filters are for use with Kodachrome colour film.

The A. to D. permits you to us indoor-type colour film outdoor Without it you will find your fi have an unpleasant orange cast The HAZE or SKYLIGHT mpictures of distant scenes sharp clear even on cloudy or hazy daddition it removes the blue ca pictures taken under "overcast"

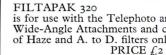
How they are sold

For the SUNDIAL or AUTO cameras, these filters are obtain sets complete with a neat leather wallet. These sets are called FILTAPAKS.



FILTAPAK 206

consists of a Haze Filter, A. to Filter and Close-up lens (for fil closer than 6 feet from the cam PRICE f.2





For the AUTOSET TURRET camera special triangular-shape filters are supplied. These can quickly attached to the camera cover all three lenses. Haze and PRICE £2 19s.

None of these filters in any way the operation of the Electric Ey Exposure Control.

Filters are not supplied for Bell & Howell 16 mm cameras.



For the AUTOLOAD also available a handy sheath case. This, how does not accept spare f accessories £,3 9s. 9d.

8 mm carrying cases, a complete with the SUN **AUTOSET II & AUT** TURRET cameras, ar available separately.

PRICES

Sundial £I Autoset II

Autoset Turret £2

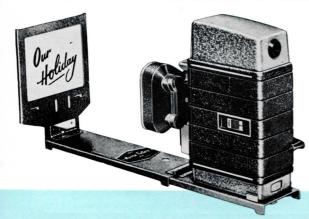


8 mm CAMERA WR STRAP. For use with SUNDIAL, AUTOS AUTOSET TURRE SPORTSTER TRI-L cameras, the wrist stra into the tripod bush of camera enabling it to safely and securely.

PRICE 9s. 4d.

8mm MOVIE TITLER

The Movie Titler is a complete and versatile outfit that can easily be carried in the pocket and is immediately ready for action. Simple to use, this titler enables you to make ambitious titles or fascinating close-up shots with absolute simplicity. And what a difference titles make to your films. They bring a smoothly flowing and self explanatory film story that you never imagined possible. Without titles your movies are really only half completed!



PRICE £3 is. od. complete with special close-up lens* and titling cards in leather pouch. Spare titling cards is. 6d. per dozen

REELS AND CANS

Strongly constructed in high grad durable alloy, lightweight cine reand cans can be supplied for use both 8 mm and 16 mm films.





The following	sizes	are	availabl
---------------	-------	-----	----------

Gauge	Capacity in feet	Reels	Cans
mm		£ s. d.	£. s. d.
8	200	3 3	1 9
8	400	4 3	2 3
16	400	4 3	4 0
16	800	10 0	8 6
16	1600	18 6	14 0
16	2000	166	I 5 0

^{*}When ordering state whether required for SUNDIAL, AUTOSET II, AUTOSET TURRET, SPORT-STER TRI-LENS or the earlier SPORTSTER DUO and SPORTSTER cameras. The serial number of your camera should also be mentioned.

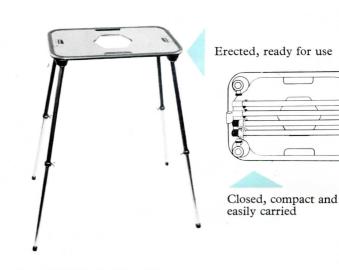
Projector Stands

The BELLMONT STAND

is a compact, rigid and easily assembled unit which will accommodate the heaviest of projectors. Adjustable from 4′ 6″ projection level down to 28″ with a lower shelf to support large accessories, spools, transformer etc.

PRICE £19 19s. od.

For perfect picture presentation a sturdy projector stand is a really essential item. Unless you are going to risk scratching the dining-room table or sideboard!



The BELLDEAN STAND

is a strong, lightweight projector stand for everyday use. Rapidly and easily assembled, the telescopic legs are securely held to the platform with knurled screws. The height is adjustable from 37'' to $18\frac{1}{2}''$ and the complete stand weighs only 12 lbs. PRICE £9 9s. od.

Projector

8 mm

The MOVIEMASTER 8 mm projector features the revolutionary new Atlas "Truflector" lamp. This lamp, as you will see from the illustration, embodies its own prefocused reflector, thus ensuring maximum light output. Despite its rated output (a modest 150 watts) this little marvel has a light output 2 to $2\frac{1}{2}$ times greater than that of a conventional 500 watt projector lamp.

Price £1 198. 6d.

16 mm

When changing lamps on Bell & Howell FILMOSOUND projectors you have no worries about checking for alignment. The filament is *always* situated in the correct position for maximum light output. This is ensured by exclusive Bell & Howell specifications to which all projection lamp manufacturers adhere.

That is why it is essential when ordering spare lamps to specify the make and model number of your equipment — as well as the voltage required.



Lamps

Table of Projector Lamps for 8 mm and 16 mm

Model	Base	Voltage	Watts	Price
				£ s.
606	A1/87	110	400	2 2
606H	A1/47	Mains*	500	2 4
606M	A1/47	110	500	2 4
625	A1/7	Mains*	500	2 6
635	A1/184	21.5	150	1 19
613M/631/ 640	A1/53	110	750	2 13
613H/636	A1/53	Mains*	750	2 13
613M/631/ 640	A1/91	110	1000	3 2
			25 25 1	

*It is essential when ordering mains voltage projector lamps to state the voltage required.

Screens

The Miralyte Minors

to or or or te it it sit

The amateur's first choice. Easy to use — can be stood anywhere on a flat surface as small as 5" square, or hung from ceiling or wall. Super glide roller action opens screen without effort, and tension bar automatically locks it in correct position in *one* simple movement!

You *can* project films on to an ironed sheet or plain white wall. But, for brilliant pictures rendered in their true colours you *must* have a screen.

The MIRALYTE range is the ideal choice. Economical, extremely light and simple to erect, these screens give the professional touch to family screenings.

				S	urface
		Ma	tt W	hite	Beaded or
		£	s.	d.	£
30" × 22"		 4	19	6	5
30" × 30"		 5	2	6	5
40" × 30"		 5	7	6	5
40" × 40"		 5	10	0	5
52" × 40"	1	 7	13	4	8
60" × 45"		 11	13	4	13
72" × 54"		 15	10	0	18

An accessory item for use with Miralyte Minor scree (up to $40'' \times 30''$) is the special tripod and top plate assembly. Using this accessory you are able to erect a screen even where there is no wall convenient to han from or table to stand it on.

Price £2 1

The top plate assembly is also available as a separate to convert standard camera tripods. Price

The Miralyte Tripod Range

A projection screen of advanced design. The screen rolls up from its streamlined metal case with absolute smoothness and is held flat and rigid by a revolutionary tension device.*

All models have strongly constructed, collapsible tripod legs which are easily extended to provide substantial support for the screen. A positive lock control permits fast and effortless adjustment of screen height from the floor.

Why three surfaces?

The three surfaces in which Miralyte screens are supplied fulfil different functions.

Beaded screens are particularly recommended where added brilliance is required and the angle of view is more or less frontal.

Matt white screens provide an even distribution of light from any angle of view.

Perlux screens offer the brilliance of beaded, combined with the even brightness of matt white.

Miralyte Standard Tripod Screens

Mir	aly	te De	Lι	ıxe	Tri	po	d Sc	ree	ens
* This	app	lies to A	Aira	ilvte	De I	uxe	e Screi	ens 1	in to
50″ ×	50	For la	arge	r sc	reens	a	hand i	oper	ated
winch	is a	vailable	as	an	optic	mal	extra	at	£4.

			winch is available	e as an optional	extra at £4.
Screen Size	Matt white	Beaded or Perlux	Screen Size	Matt white	Beaded or Perlux
	\pounds s. d.	\pounds s. d.	10" \ 20"	£, s. d.	\pounds s. d.
40" × 30"	7 15 0	8 15 0	40" × 30" 40" × 40"	8 19 6	9 19 0
40" × 40"	8 5 0	9 5 0	50" × 40"	10 19 6	12 19 6
50" × 40"	9 9 6	11 9 6	50" × 50"	11 15 0	14 2 6
	9 9 0	11 9 0	60" × 45"	17 10 0	19 10 6
50" × 50"	10 5 0	12 12 6	60" × 60"	19 0 0	2I IO O
(-""	,		$72'' \times 54''$	24 0 0	27 0 0
60" × 45"	16 0 0	18 0 0	$72'' \times 72''$	25 17 6	29 0 0
60" × 60"	17 10 0	20 0 0	80" × 60"	26 19 6	30 5 0
	1, 10 0	20 0 0	$80'' \times 80''$	27 12 0	30 19 0
$72'' \times 54''$	22 10 0	25 10 0	96" × 72"	32 4 0	35 17 6
72" × 72"	24 7 6	27 10 0	96" × 96"	34 0 0	37 19 6
1- ~ /2	24 / 0	27 10 0	120" \times 96"	45 0 0	50 0 6

BEADED SCREEN PROJECTOR

MATT WHITE PROJECTO

Your own design?

Thinking of building a screen into a window pelmet or mounting one on the reverse side of a picture on your wall? Whatever your requirement, we shall be happy to quote you.

Miralyte Portable Wide Screen

Adjustable for three picture ratios: Cinemascope, wide screen and standard film. Despite its size (15 ft. \times 6 ft. when fully extended) this screen can be erected in a few minutes. It breaks down into four easily portable units. PRICE: Matt white £60, Beaded £75

Box Screens. Standard box screens, mounted on spring rollers are available to order. Prices from £11 10s. od. to £65.

Audience situated in shaded section see less brilliant picture than those seated in direct line with projector.

Although picture is less than with beaded scr reflection is of even b from any viewing positi



Slide Projectors

FEATURES ...

common to both Bell & Howell Slide Projectors.

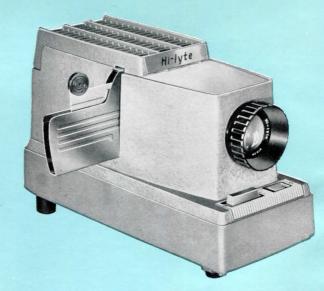
- Operate direct from 200/250 volts AC mains.
- High velocity fan cooling.
- Built in on/off switch.
- Readily accessible lamp and optics.
- Tilt control.
- Robust, die-cast construction.

HI-LYTE 707

- 300 watt compact filament lamp.
- Standard 4" colour corrected anastigmat lens.

HI-LYTE 66

- 750 watt illumination.
- Standard 6" colour corrected anastigmat lens.



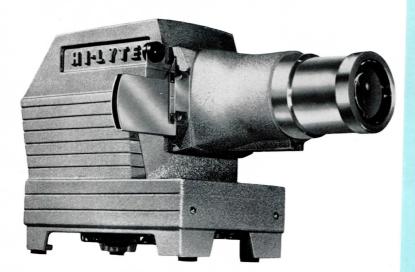
The Hi-Lyte 70

SLIDE PROJECTOR

The Bell & Howell Hi-Lyte 707 with its ultra-mode styling, handsome hammer finish, its ease of operation at extreme compactness, sets the standard for economic high quality 35 mm slide projection.

Now you can see your colour slides as faithful reproductions of the actual scene — in natural high-fidelity color thanks to the special compact-filament lamp and balance optical system of the Hi-Lyte which provides whith brighter illumination with correct "colour balance PRICE £16 178. 6d. complete with lens and slide carri

(lamp extra at £1 13s. o



The Hi-Lyte 66

SLIDE PROJECTOR

A superbly styled, sturdily constructed projector for the presentation of $2\frac{1}{4}'' \times 2\frac{1}{4}''$ slides. The advanced design includes up-to-date technical refinements that ensure perfect reproduction and provide absolute protection for your slides.

PRICE £35 os. od.

complete with lens and $2\frac{1}{4}'' \times 2\frac{1}{4}''$ slide carrier.

PRICE £34 5s. od.

complete with lens and 2" \times 2" slide carrier.

(750 watt lamp extra at £2 13s. od.)

Accessories

The numbers in brackets indicate model for which acre designed. Thus: (66) — Hi-Lyte 66 (707) — Hi-I

LENSES A range of colour-corrected anastigmathy Taylor Hobson is available for the HI-LYTE 66.

Lens		
4" f/2.8 (66)	 	£10 os. od.
6'' f/2.8 (66)	 	£.11 17s. 6d.

LAMPS

	to	S.	a.
300 watt mains lamp (707)	I	13	0
500 watt mains lamp (66)		6	
750 watt mains lamp (66)	2	13	0

It is essential, when ordering projector lamps, to state voltage r

CARRYING CASES

Visiting friends? Take your Bell & Howell slide projector with you in its matched, high grade fibre carrying case.

	£	s.	d.
Hi-Lyte 707	I	19	6
Hi-Lyte 66	2	19	6



SLIDE CARRIERS

Hi-Lyte 66	2" × 2" slide carrier
Hi-Lyte 66	$2\frac{1}{4}'' \times 2\frac{1}{4}''$ slide carrier

£ 2 2

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UPPER DIMENSION IS WIDTH OF PICTURE — LOWER DIMENSION IS HEIGHT OF PICTURE (Measurements are in feet and inches)

							(
	Lens focal					DISTAN	ICE IN	FEET F	ROM P	ROJECT	TOR TO	SCREE	EN			
	length	8	10	12	15	20	25	30	35	40	45	50	60	75	100	125
8	20 mm	I 9 I 4	2 2 I 8	2 7 2 0	3 3 2 5	4 4 3 3	5 5 4 I	6 7 4 II	7 8 5 9	8 9 6 7	9 IO 7 4	10 II 8 2				
mm	I"		I 10 I 4	2 2 I 8	2 9 2 I	3 8 2 9	4 8 3 5	5 7 4 2	6 6 4 10	7 5 5 7	8 5 6 3	9 4 6 11	11 3 8 4	14 0 10 5		
	$\mathtt{I}\tfrac{1}{2}''$						3 I 2 3	3 8 2 9	4 4 3 3	4 II 3 8	5 7 4 2	6 2 4 7		9 4 6 11		
	I"	2 II 2 2	3 8 2 9	4 5 3 4	5 7 4 2	7 5 5 7	9 4 6 11	11 3 8 4	13 I 9 9							8
	I ½"	I II I 5	2 5 I IO	2 II 2 2	3 8 2 9	4 II 3 8	6 2 4 7	7 6 5 7	8 9 6 6	10 10 7 5	11 3 8 4	12 6 9 4				
	2″		I 10 I 4	2 2 I 8	2 9 2 I	3 8 2 9	4 8 3 5	5 7 4 2	6 6 4 10	7 5 5 7	8 5 6 3	9 4 6 11	11 3 8 4	14 0 10 5	18 9 13 11	23 17
16 mm	2½"		I 5 I I	I 9 I 3	2 2 I 8	2 II 2 2	3 8 2 9	4 5 3 4	5 3 3 II	5 II 4 5	6 8 5 0	7 5 5 7	9 0 6 8	11 3 8 4	15 O 11 2	18
	3″						3 I 2 3	3 8 2 9	4 4 3 3	4 II 3 8	5 7 4 2	6 2 4 7	7 5 5 7	9 4 6 11	12 6 9 3	15 11
	$3\frac{1}{2}''$						2 7 I II	3 2 2 4	3 8 2 9	4 3 3 2	4 9 3 7	5 4 3 II	6 5 4 9	8 o 5 II	10 8 7 11	13
	4″		ч				2 3 I 8	2 9 2 I	3 3 2 5	3 8 2 9	4 2 3 I	4 8 3 5	5 7 4 2	7 ° 5 2	9 4 6 11	11 8

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Enclosed is literature describing other products which you will want to add to your outfit in due course; your local photo dealer will be glad to tell you more about

We wish you many hours' enjoyment with equipment.

Bell E Howell



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