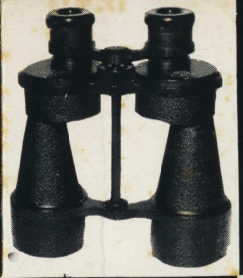
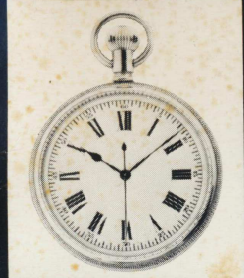
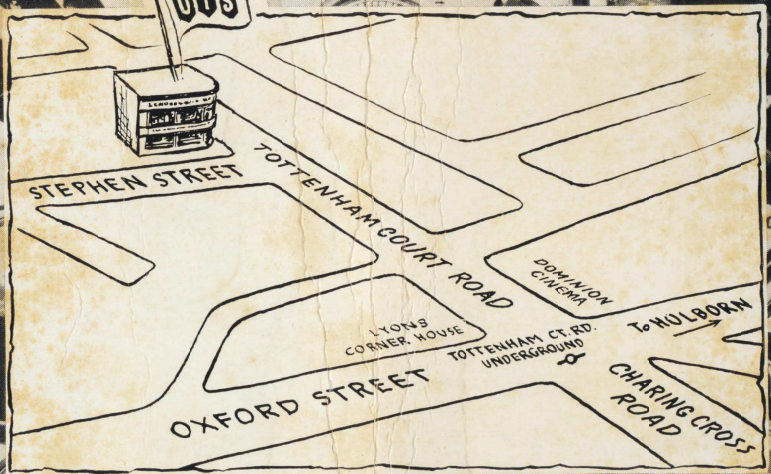
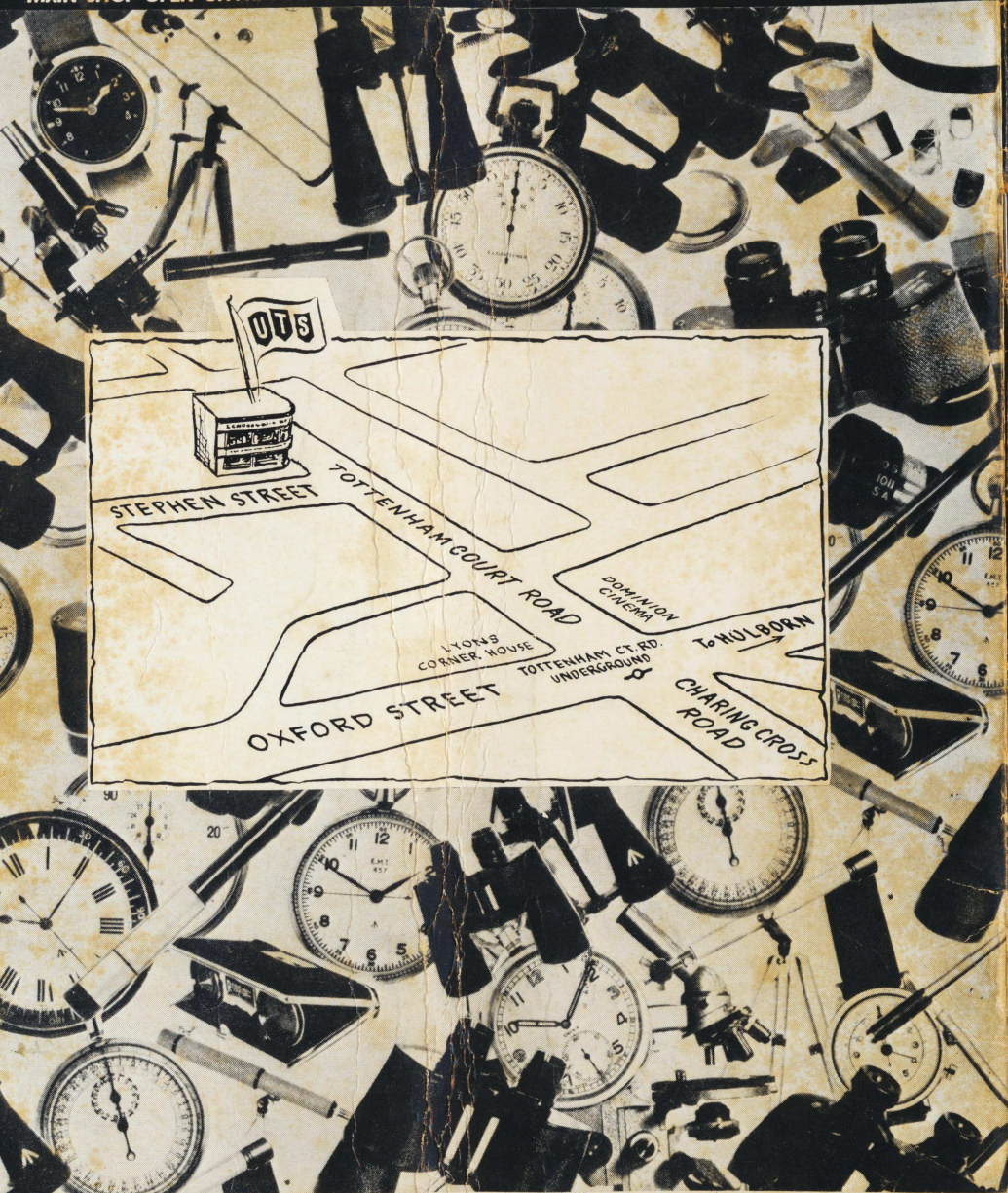
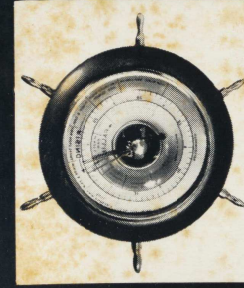
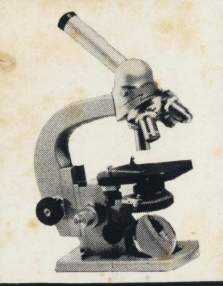


IN LONDON BE SURE TO VISIT BRITAIN'S MARKET PLACE FOR THE SCIENTIFIC MINDED, ONLY ONE  
 UTE FROM TOTTENHAM COURT ROAD UNDERGROUND STATION — NORTHERN AND CENTRAL LINES  
 BUSES 1-7-8-14-23-24-25-29-32-39-73-114-176  
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29 TOTTENHAM COURT ROAD · LONDON · W1

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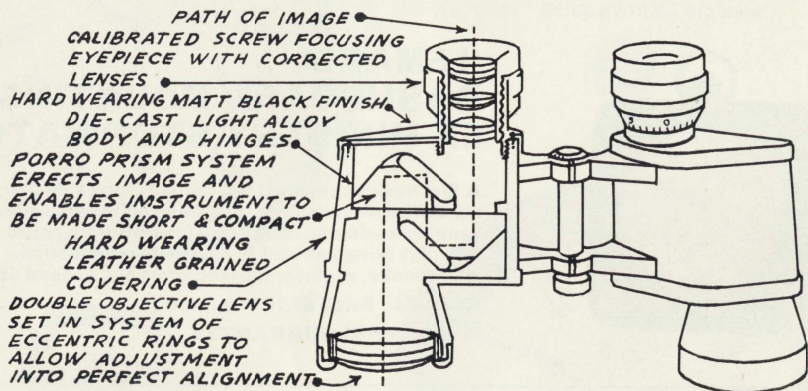


**BINOCULARS AND HOW TO CHOOSE THEM**

A binocular like a sports car . . . or a good stopwatch . . . or a set of matched golf clubs is fun to own and use. A good one isn't cheap, but neither is any top-quality item. You buy a binocular once, and you're set for life — and then some. In fact, a good binocular is just about the least perishable thing you can own, short of a cast-iron paperweight. Unless you drop it or run over it, a quality binocular will last indefinitely, and unlike most precision instruments, it requires no maintenance or adjustment whatever. All U.T.S. binoculars are guaranteed to give you just this. They're made by craftsmen from only the best manufacturers, including ourselves and they're built to exceptionally high standards, both optically and mechanically. All U.T.S. binoculars represent the best thinking on what quality binoculars should be.

**which binocular is right for you ?**

Since the purchase of a binocular usually represents a one-time investment, it's important that you choose wisely. Some glasses are ideal for pastimes such as marine observation, while others are more suited for spotting a deer two miles away. If your hobbies are many and varied, by all means choose a pair of general-purpose 7 x 50 glasses. To help you select the right binocular for your individual needs and to impress your friends with binocular lore, the following paragraphs are intended to be referred to and quoted whenever the occasion demands it.



**what about magnification ?**

First of all, there's no such thing as a six by thirty binocular — this misnomer came into being when someone decided to leave out the comma and identify glasses as 6 x 30, 7 x 35, etc. The 'x' means 'times' and refers to the magnification. Thus, a pair of 6 x 30 glasses makes an object six times larger than when seen with the unaided eye, or brings that object six times closer to you, whichever you prefer. What about the '30'? Most people think this has something to do with field of view. Not so. It really stands for the diameter of the objective, or front lens, as measured in millimetres (25 mm. = 1 inch).

**can they see at night ?**

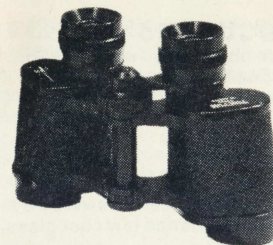
Now for another impressive term — 'exit pupil'. The exit pupil of a given binocular is the diameter of the ray of light which reaches your eye through the eyepiece, and is determined by dividing the diameter of the objective lens by the power of magnification. A 7 x 35 binocular has an exit pupil of 5 mm., which is about average, while a 7 x 50 binocular has an exit pupil which measures a whopping 7.1 mm. The exit pupil is important if you're looking for glasses which produce a bright image in dim light, because the larger the exit pupil, the better a binocular's ability to 'see' at night or through haze or fog. Normally, the pupils of our eyes are contracted to about 2 mm. in bright sunlight, but in dim light, they open to about 7 mm., and that's when glasses with a large exit pupil are important. Glasses designed for night use won't harm the eyes if used in bright sunlight because the eyes' pupils are automatically contracted to 2 mm.

**the truth about 'field of view'**

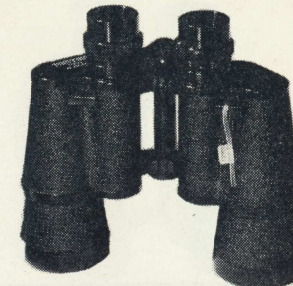
The field of view of a particular binocular is usually stated as a certain number of feet at 1,000 yards. The binocular itself is usually engraved with 'Field 7-50' or 'Field 11-0°'. At 1,000 yards, each degree equals 52.5 feet; therefore, a binocular with an 11-0° field of view would cover 577.5 feet at 1,000 yards. The wider the field of view, the easier it is for you to follow fast moving objects, like the horses on the far side.

Now that you're at home with binocular terminology, look over the complete U.T.S. line, and choose your binocular.

**TOHYOH BINOCULARS**



**TOHYOH 8 x 30**  
**No. B1046 Price £10.19.6**  
p/p 3/6



**TOHYOH 7 x 50**  
**No. B422 Price 15 gns** p/p 3/6  
**TOHYOH 10 x 50**  
**No. B990 Price £16.5.0** p/p 3/6  
(Both models fitted with dustcaps & built-in yellow sun filters)

A very popular Japanese range. Exquisite value at very moderate prices. All models complete with hide case and straps.

Also, just arrived!  
**No. B433A TOHYOH 6 x 15 WIDE ANGLE MICRO BINOCULARS**  
Field: 445 ft. at 1,000 yards.  
Centre focus operates objective lenses.  
**Price £9.19.6.** p/p 2/6



**TOHYOH 7 x 30 WIDE ANGLE MICRO BINOCULARS**  
**No. B433 Price £14.19.6** p/p 3/6

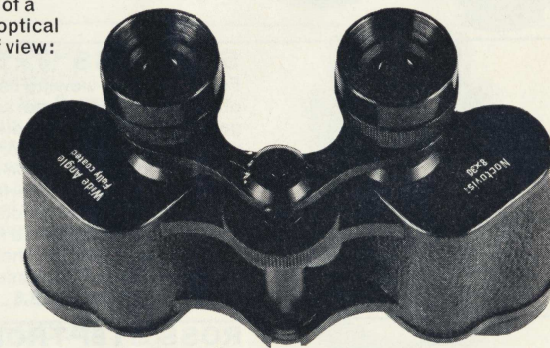
**A SELECTION OF SECOND HAND BINOCULARS IS ALWAYS AVAILABLE TO CALLERS**



**TOHYOH 8 to 14 x 50 ZOOM BINOCULARS**  
**No. B1058 Price £32.10.0**

**NOCTOVIST 8 x 30 GERMAN BINOCULARS**

A wide angle prism binocular with coated optics giving a very good optical performance and excellent resolution. Climate resisting by reason of a special anti-corrosive treatment of the optical system and metal components. Field of view: 140 yds. at 1,000 yds. Centre focus.  
**No. B1038 Price £15.7.6** p/p 3/6

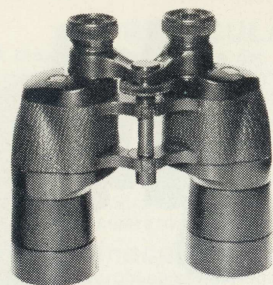


**NOCTOVIST 7 x 50 BINOCULARS**

A larger version of the above fitted with rain covers. These glasses are extremely sturdy and are very popular with big-game hunters and naturalists due to their extra resistance to climatic conditions. Their optics are coated throughout and they give brilliant definition under all kinds of lighting conditions.  
**No. B1039 Price 19 gns** p/p 3/6





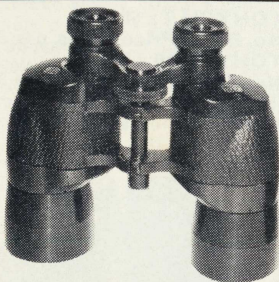


**SOLAROSS 8 x 40 BINOCULARS**

A Ross centre-focus binocular with an excellent specification and performance for general purposes at an extremely reasonable price. Linear field of view at 1,000 yds.: 94 yds. Approximate weight: 25 oz.  
**No. B325 Price £19.1.6** p/p 3/6

**SOLAROSS 9 x 35 BINOCULARS**

The popular demand for 9 x binoculars has been answered by Ross designers with this new high performance low cost glass.  
**No. B307 Price £20.10.0** p/p 3/6



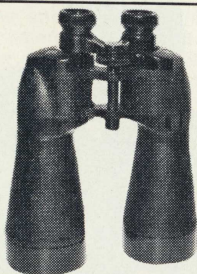
**SOLAROSS 10 x 40 BINOCULARS**

A similar model to the 8 x 40 but offering a higher magnification often required by bird watchers and for shooting, etc. Ross have managed to produce this extra power with very little sacrifice to the field of view. The real field of view is 5° and the linear field is 84 yds. at 1,000 yds. Weight: 24 oz.  
**No. B1024 Price £21.3.6** p/p 3/6



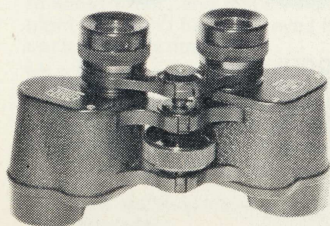
**SOLAROSS 12 x 40 BINOCULARS**

An alternative model from the new Solaross series giving a higher degree of magnification but with some small sacrifice in light transmission and field of view. Its light gathering power is quite sufficient however for it to be used under any but very poor lighting conditions. Field of view (real): 4° 10'. Field of view (linear at 1,000 yds): 73 yds. Field of view (apparent): 50°. Weight: 24 oz. (approx.)  
**No. B1025 Price £26.0.0** p/p 3/6



**SOLAROSS 16 x 60 BINOCULARS**

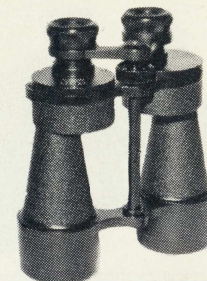
For long-range viewing beyond the scope of most binoculars, offering a thrilling opportunity for really exciting close-ups of game or birds, etc. Although high-power glasses are generally recommended for use from a steady position (i.e. tripod), the light-weight construction and cleverly balanced design are such that they can be held perfectly steady in the hands for considerable periods. These binoculars give a really remarkable performance in width of field and light-gathering power with such a high magnification and have an accurate centre focusing system not usually found in glasses of this power. Weight: 43 oz.  
**No. B308 Price £32.8.6** p/p 3/6



**ROSS STEPTRON 8 x 30 BINOCULARS**

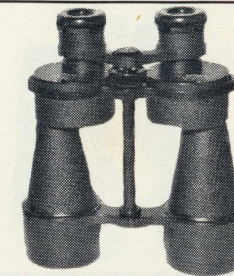
An ideal model for travelling and particularly for ladies. Extremely wide field of view (144 yds. at 1,000 yds.). Combined with good stereoscopic vision at all distances. As with all Ross binoculars their light power is greatly improved by 'coating' of all interior optical surfaces and a genuine English hide carrying case, lanyard and full length adjustable carrying strap are also provided with each pair. Weight: 20 oz.  
**No. B1026 Price £41.0.0** inc. p/p  
 ROSS STEPTRUVA 9 x 35 also available. Similar to the above, giving a linear field of view of 128 yds. at 1,000 yds. Weight: 24 oz. **No. B1037 Price £43.5.0** inc. p/p

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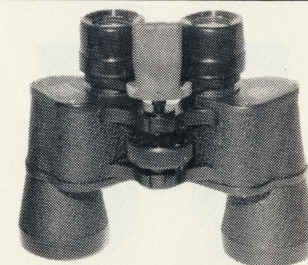
**STEPLEVEN 11 x 50 BINOCULARS**

Ideal for all long-range viewing, especially observation of wild life. The coated lenses and prisms in this model are a great advantage in maintaining image detail under poor as well as glaring light conditions. Linear field of view at 1,000 yds.: 104 yds. Approx weight: 33 oz. The handsome solid leather, velvet lined carrying case which is a feature of Ross binoculars gives perfect protection to your glasses during a lifetime of hard usage.  
**No. B1028 Price £57.4.6** inc. p/p



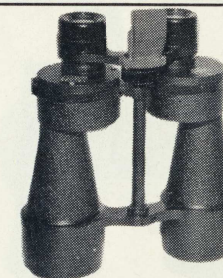
**STEPLUX 7 x 50 BINOCULARS**

Tremendous light-gathering power and wide field make this world-famous glass a favourite with yachtsmen. Chief among its advantages is the brilliant clear image obtainable under the most adverse light conditions. Linear field of view at 1,000 yds.: 125 yds. Approx. weight: 32 oz. A really first class binocular for all purposes.  
**No. B1027 Price £55.2.6** inc. p/p



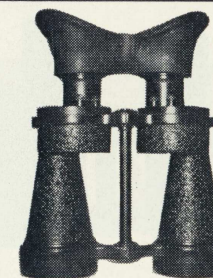
**SPECTAROSS 8 x 40 BINOCULARS FOR THE SPECTACLE WEARER**

It is not generally realized how much the interposition of spectacles when using ordinary binoculars reduces the field of view and spectacle wearers have had to endure the inconvenience of constantly removing their glasses. Supplied with brow pads these binoculars correct this deficiency by restoring this lost field of view, at the same time making full use of the corrected vision provided by the spectacles. An exclusive Ross development they have a linear field of view of 109 yds. at 1,000 yds. Approx. weight: 25 oz.  
**No. B1029 Price £47.5.6** inc. p/p



**SPECNORM 9 x 50 BINOCULARS FOR THE SPECTACLE WEARER**

Encouraged by the immense popularity of the Spectaross, Ross Ltd, have introduced a further glass of this type to answer to the need for higher magnification. With 50 mm. objective lenses this binocular gives an exceptional performance both under normal and poor lighting conditions. As with the Spectaross the Specnorm has the special Ross feature of telescopic eyecups which only have to be extended for the normal sighted. Approx. weight: 34 oz.  
**No. B1030 Price £59.2.6** inc. p/p



**ROSS (Ex Ministry) FIXED FOCUS NIGHT BINOCULARS**

These fine prismatic binoculars were specially designed for night light transmission to give a wide field of view. They have fixed focuses making them not only ideal for general uses but invaluable for night viewing. They are most dependable where distances under observation are constantly changing as they eliminate the necessity to frequently alter the focus. Supplied complete with transit case.  
**No. B305A Price £17.10.0** p/p 3/6



**WRAY WRAYSTAR 8 x 40 BINOCULARS**

The relatively small dimensions and low weight of this centre focus glass have only been made possible by a newly designed optical system giving an aperture ratio never before achieved by any other maker in the world. The light-gathering power and beautiful balance combined with its unique optical system makes this the ideal binocular for sportsmen. The exceptionally wide field of view allows for extended observations with complete steadiness. Field of view: 148 yds. at 1,000 yds. Height: 4 3/8". Weight: 25 oz. Complete with leather sling case.  
**No. B1035 Price £30.14.6 p/p 3/6**

**WRAY 'ELEVEN' 11 x 60 BINOCULARS**

A high magnification centre focus instrument for long-range viewing, ideal for all purposes where magnification is a more important factor than field of view. A favourite of bird watchers, big-game hunters, race goers, etc. Effective aperture of objective lenses: 60 mm. Field of view at 1,000 yds.: 93 yds. Angular field of view: 5.4°. Relative brightness: 41.6. Height: 7". Weight: 39 oz. Fully coated lenses. Complete with leather sling case.  
**No. B1036 Price £38.18.10 inc. p/p**

**MICRO-CROWN 7 x 20 MINIATURE BINOCULARS**

Popular even with those who already own full-size binoculars, these miniature glasses give an excellent optical performance. They are ideal pocket or rucksack binoculars for they are so easy to stow. Less than 2 1/2" high they fit conveniently into the pocket or a lady's handbag. They have centre wheel focusing and are very modestly priced.  
**No. B403 Price £7.17.6 p/p 2/6**  
 Also obtainable with a gold finish: **No. B403A Price 8 gns. p/p 2/6**

**RUSSIAN 7 x 50 BINOCULARS**

A really magnificent prismatic binocular. Coated optics with individual focusing adjustment. Angular field of view 6° 48'. Diameter of exit pupil 7.1 mm. Light alloy construction. Waterproof and dustproof. Complete with anti-glare filters. An all-purpose glass suitable for every use. Highly recommended by experts. Including genuine hide case and lanyard.  
**No. B328 Price £18.10.0 p/p 3/6**  
 We regret that the rubber covers shown in our illustration are no longer available.  
 Also available with centre wheel focusing: **No. B328A Price £19.10.0**

**RUSSIAN 8 x 30 BINOCULARS**

These excellent binoculars are superbly constructed and fitted with an individual focusing adjustment. The angular field of view is 8° 30'. The optics are fully coated and the diameter of exit pupil is 3.8 mm. They are of light alloy construction and are watertight, dustproof and supplied with antiglare filters and leather case.  
**No. B333 Price £13.10.0 p/p 3/6**  
 Also available with centre wheel focusing: **No. B333A Price 15 gns.**



**EX-ARMY OFFICERS 6 x 30 RECONNAISSANCE BINOCULARS**

Manufactured by leading British makers such as Taylor Hobson, Kershaw, Watson-Baker, etc, to the most stringent Government specifications. They will stand a great deal of rough usage and are absolutely weatherproof. Individual eyepiece focusing. Due to their sharp definition and high light transmission they are considered to be ideal for general usage including sporting events, bird watching, etc. Estimated value £25.0.0.  
**No. B301 £7.15.0 p/p 3/6**  
 (New genuine leather case £1.5.0 extra)

**ROSS 7 x 50 EX-R.N. BINOCULARS**

Manufactured by Ross of London for the Admiralty, these glasses are noted for their tremendous light-gathering power and wide field of view. The brilliant definition by night or day has made them extremely popular with yachtsmen as well as for general purpose use. Individual eyepiece focusing. The linear field of view is well over 125-1,000 yards. An ideal glass for those who require the combination of brightness, sturdiness, wide field of view and performance. Original list price £48.0.0.  
**No. B300 In mint condition £19.19.0 p/p 3/6**  
 (New genuine leather case £1.10.0 extra, optional)

**EX-ADMIRALTY 7 x 50 BINOCULARS**

(Our recommendation)  
 These binoculars are of similar construction with identical optical specification of the genuine Bausch & Lomb 7 x 50 binoculars. They are fully bloomed and are made under licence or by arrangement with Bausch & Lomb of Rochester, New York. They are in perfect condition and are supplied complete with straps and leather case under a five-year guarantee. Manufactured by Anchor Optical Co. Ltd. of New York.  
**No. B309 Price £24.0.0 p/p 3/6**  
 Also 7 x 50 National Instrument Corp. of Texas Zeiss pattern available.  
**No. B316 Price £22.0.0**

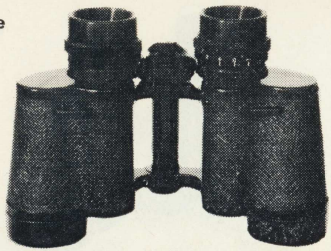
**TRIPOD MOUNTING RECONNAISSANCE BINOCULARS (ex-Government)**

A sturdy day and night glass with fitted yellow filters for use in haze and bright conditions. Built to stringent government specification for service use. Tripod supported. Magnification 7 x. Net Weight: 16 lb. Contains two achro doublets f:210 mm. 50 mm. clear aperture, two Porro Abbe prisms, left-hand 25 mm. aperture, and two right-hand. Two plano-convex lenses 25 mm. diam. L.H. and R.H. with cross graticule, two achro doublets f:35 mm. 26 mm. clear aperture. Complete with wooden case and tripod. Original cost approximately £150.  
**No. B404 Price £19.10.0 p/p paid**

**UNISCOPE 20 x 80 WIDE-ANGLE LIGHT-WEIGHT LONG DISTANCE BINOCULARS**

Designed for long-distance and intensive close-up viewing these glasses are really unique, for although they are easier to manipulate when mounted on a tripod, unlike most binoculars of this power they are extremely successful when hand held. They have an accurate centre focusing mechanism with right-hand eyepiece adjustment and a linear field of view of 184 ft. at 1,000 yds. In beautiful grey wrinkle finish and complete with rubber eye cups and convenient hand held carrying case.  
**No. B1053 Price £85.0.0 inc. postage.**  
 Extending Tripods: £6.19.6 each  
 Come and test them yourself from our showrooms.

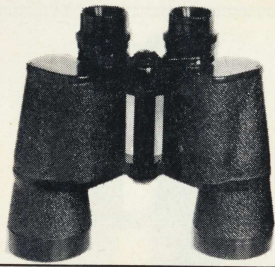




**REGENT 8 x 30 BINOCULARS**

Extremely popular general-purpose glasses and absolutely fantastic value for the price these excellent centre focus binoculars are fitted with lenses of Chance-Pilkington glass. Their linear field of view at 1,000 yds. is 378 ft., they have a 3.75 mm. exit pupil with an effective aperture of 30 mm. They weigh only 18 oz. and are supplied complete with straps, sling and carrying case.

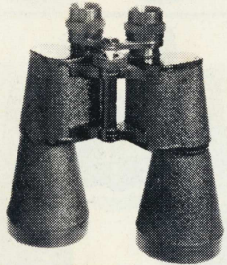
**No. B320 Price £8.3.9 p/p 3/6**



**REGENT 7 x 50 BINOCULARS**

The constant demand for these excellent all-purpose glasses is proof enough of their all round high performance. Precision centre focusing and a first-class optical system with lenses of Chance-Pilkington glass they are probably the finest binocular value for the price obtainable today. They have terrific light gathering power and an amazing field of view: 369 ft. at 1,000 yds. They weigh 34 oz., are very steady to hold and come complete with straps, sling and carrying case.

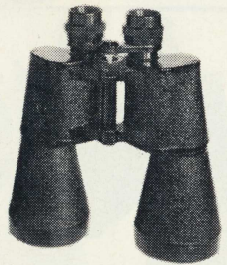
**No. B315 Price £10.4.6 p/p 3/6**



**REGENT 10 x 50 BINOCULARS**

Almost identical to the above 7 x 50 glasses but more powerful. They weigh exactly the same: 34 oz. and their reduced field of view of 310 ft. at 1,000 yds. is still high for a binocular of this power. Like all Regent binoculars they are easy to handle (with centre wheel focusing) and built to last. Their lenses are of Chance-Pilkington glass and they are complete with straps, sling and carrying case. Fantastic value for the price.

**No. B318 Price £10.10.6 p/p 3/6**



**REGENT 12 x 50 BINOCULARS**

Regent binoculars are noted for their excellent performance and lasting quality, this model is indeed no exception. Designed originally for those who require the extra power for either long-distance viewing or close-up nature study, they have become extremely popular with general viewers by virtue of their outstanding ability. They have a wide field of view for glasses of this strength: 265 yds. at 1,000 yds., weigh approximately 30 oz. and are well balanced for steady viewing over long periods. Complete with straps, sling and carrying case.

**No. B324 Price £14.14.0 p/p 3/6**

**THE REGENT-LUX RANGE**

Also obtainable are these more de-luxe versions of the above Regent range. They have a streamlined design with retractable eyecups for spectacle wearers with chrome ribbing on the eyecups and central focusing column.

Specifications and prices:

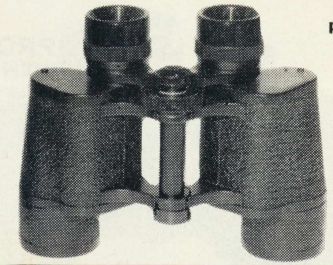
Model	Exit Pupil	Field (Angular)	Field (1,000 yds.)	Weight	Price
8 x 30	3.66 mm.	7.2°	378 ft.	19 oz.	£10.11.9
8 x 40	5.0 mm.	6.0°	315 ft.	25 oz.	£12.9.0
7 x 50	7.1 mm.	7.0°	369 ft.	38 oz.	£14.7.9
10 x 50	4.93 mm.	5.5°	288 ft.	38 oz.	£14.19.0

Postage and packing 3/6

**BECK 9 x 35 OLYMPIC BINOCULARS**

Made in West Germany by the famous Beck Optical Co., of Kassel these first-quality centre focusing binoculars are ideal for all purposes due to their high performance. They have an exit pupil of 3.9 mm. and give a linear field of view of 118 yds. at 1,000 yds. They weigh only 18 oz. and are 5 1/4" high. Complete with English made hide metal trimmed luxury case with sling.

**No. B992 Price £33.0.0 p/p 3/6**



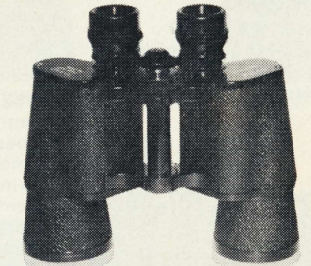
**NIPOLE 10 x 50 BINOCULARS**

We are happy to introduce this excellent range of precision binoculars. New to this country, they are of first-class construction with high-grade optical components. We can confidently guarantee them for seven years against defects in workmanship and they are supplied complete with a pigskin case and straps.

**No. B1033 Price £15.10.0 p/p 3/6**

**NIPOLE 8 x 30 BINOCULARS**

**No. B1034** Another popular size from this range. A smaller version of the above. **Price £10.19.6 p/p 3/6**

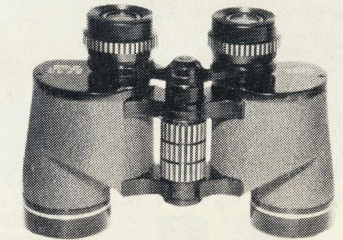


**LUNA 8 x 30 BAUSCH & LOMB STYLE BINOCULARS**

Introducing a special grade light-weight binocular with centre wheel focusing and retractable eyecups which can be adjusted when used by spectacle wearers. They also have a tripod bush for mounting them on to a standard pan head camera tripod. Black and grey finish, supplied complete in latest style vee-slotted black case with lanyard, sling and presentation box.

**No. B1019 Price £16.18.6 p/p 3/6**

*Please check for availability.*

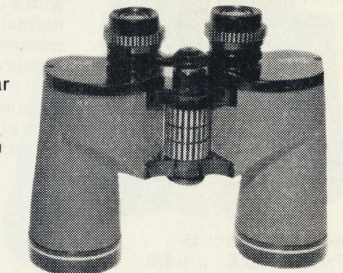


**LUNA 7 x 50 BAUSCH & LOMB STYLE BINOCULARS**

A general-purpose centre wheel focusing light-weight binocular with retractable eyecups for spectacle wearers. Recently introduced to this country from Japan, they have become extremely popular in a short space of time. They are attractively finished in black and grey with a bush for mounting on to a standard pan head camera tripod. Complete in modern vee-slotted black case with lanyard, sling and presentation box.

**No. B1018 Price £21.10.0 p/p 3/6**

*Please check for availability. Other sizes available on application.*

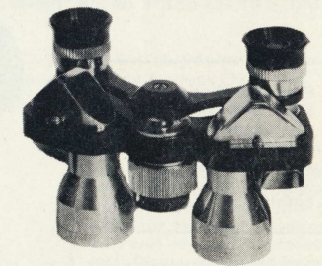


**NIPOLE MICRON PRISMATIC BINOCULARS**

Also now available for the first time in U.K. are the remarkable Nipole Micron prismatic binoculars. These powerful miniature glasses will prove particularly popular with ladies or anyone who requires an extremely compact and precision instrument which will fit into pocket or handbag.

- 10 x 40 **£15.15.0**
- 6 x 15 **£8.15.0**
- 12 x 40 **£16.16.0**
- 7 x 18 **£9.10.0**
- 12 x 50 **£17.17.0**
- 8 x 20 **£10.10.0**
- 7 x 23 Wide Angle **£13.19.6**
- 10 x 20 **£10.19.6**
- 8 x 25 Wide Angle **£14.10.0**
- 7 x 30 **£12.19.6**
- 10 x 30 Wide Angle **£14.19.6**

p/p 2/6



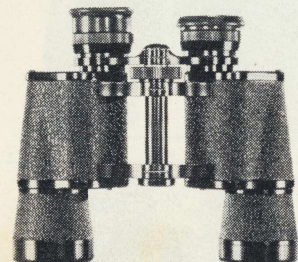


**'PROMOTIONAL' BINOCULARS BY SCOPE WITH FOLD-DOWN SOFT RUBBER EYE CUPS**

On going to press we are happy to introduce this distinguished line of Zeiss centre focus pattern binoculars; new to this country. Really superb quality glasses in popular sizes, they are economically priced. Each is a precision optical instrument with high resolution amber coated optics. Extremely lightweight, but rugged as they are made of the finest aluminium or magnesium alloys. Fitted with soft rubber eye cups with full field viewing that extend for normal use and fold away for use by spectacle and sunglass wearers they also provide comfortable viewing in extremely cold weather by preventing metal/skin contact.

No. B1054 8 x 30  
Price £11.96 p/p 3/6  
No. B1055 8.5 x 40  
Price £12.18.6 p/p 3/6

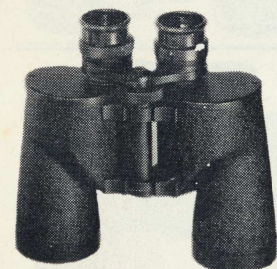
The traveller, sportsman, and ornithologist will appreciate the special lubrication that affords smooth operation in all weather extremes. Each model comes complete with SCOPE patented Easy Access Case providing convenience and lifetime protection deserved by a precision instrument plus free informative booklet, *The Inside Story of Your Scope Binocular*. All attractively gift packed.



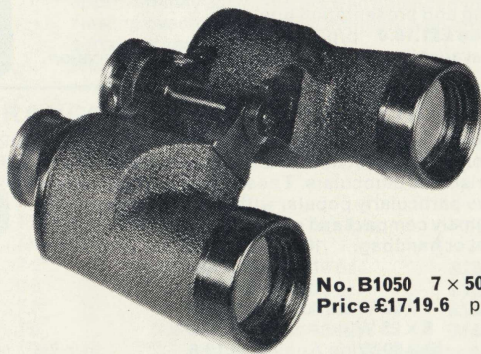
No. B1056 7 x 50  
Price £15.0.0 p/p 3/6  
No. B1057 10 x 50  
Price £15.10.0 p/p 3/6

**SCOPE 'OVERFIELD' BINOCULARS**

Another of our latest introductions, these handsomely styled precision binoculars are constructed in the Bausch & Lomb centre focus pattern with a unique optical system that extends the field of view beyond that normally offered. An exceptional group embodying superior optical components and light-weight alloy construction for which SCOPE is so widely acclaimed. With amber coated optical surfaces for increased light transmission and finest visual resolution. They have soft rubber eyecups, are fully guaranteed and are complete with SCOPE patented easy access case plus usual SCOPE information booklet. Attractively gift packed.



No. B1049 9 x 35  
Price £15.3.6 p/p 3/6



No. B1050 7 x 50  
Price £17.19.6 p/p 3/6

**Part Exchange —**  
We welcome the opportunity to part exchange your present binoculars for any shown in this catalogue.



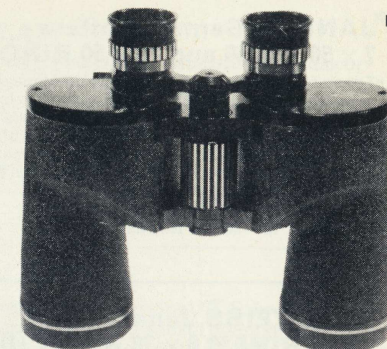
No. B1059 12 x 50  
Price £16.0.0 p/p 3/6



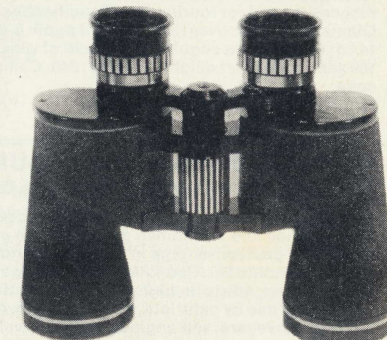
**SCOPE 'CUSTOM' BINOCULARS**

We bring you the best from the world markets and indeed we are proud to introduce this new shape in binocular design, an all new streamlined American concept based on the famous Bausch & Lomb pattern. Highest resolutions amber-coated optics employing the newest rare earth optical glass elements, extremely rugged and light-weight alloy construction, clamp prisms for a lifetime of true-axis precision alignment. Oversized focusing bar for faster focusing control, micrometer precise moving parts. Fitted with fold-down soft rubber eyecups and complete with patented easy access case. Attractively gift packed.

Our popular free technical advice service available by post or from the fully trained assistants in our showroom guarantees complete satisfaction. Their suggestions regarding the correct magnification and size of binoculars for your specific purpose will prove invaluable in aiding you to choose the right model.



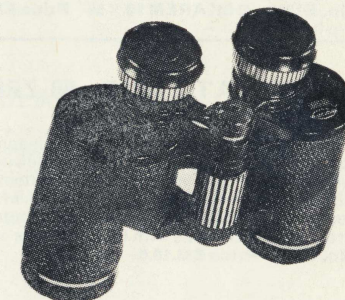
No. B1047 8 x 40 Price £19.2.6 p/p 3/6



No. B1048 10 x 50 Price £20.12.0 p/p 3/6

**SCOPE 'DELUXE' BINOCULARS**

Another stop press introduction — the last word in binocular design and in optical performance in the Bausch & Lomb centre focus pattern each model features Clamped Prisms of Barium Crown Glass, (BAK<sub>4</sub>). The world's finest. All optics are amber coated for Ultra-violet haze penetration and superior light transmission. Each features streamlined American design of light weight, yet outstandingly rugged magnesium alloy, with locked true-axes alignment micrometer-precision moving parts with an oversized focusing bar provide faster, smoother focusing.



No. B1051 8 x 40 Price £24.10.6 p/p 3/6

Bodies are luxuriously finished in grey with elegant black trim. With patented Easy Access Case and Soft Rubber Eye Cups. Attractively gift packed.



No. B1052 7 x 50 Price £26.1.6 p/p 3/6

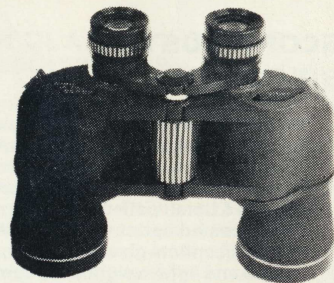
It is impossible to show the many individual binoculars that we hold. So be sure to visit our showrooms where you will see many interesting glasses not listed here.



**JANIK — German Pattern**  
7 × 50, 8 × 30 and 10 × 50 BINOCULARS

These superbly made centre focusing binoculars come in three popular sizes of magnification: 7 × and 8 × for general purpose viewing and 10 × for birdwatchers and others that require that extra magnification. Of modern design with bloomed optics throughout, they have retractable eyecups and are sealed against moisture and dust. Field of view 7.1° on 7 × 50, 8.25° on 8 × 30, 6° on 10 × 50.

No. B887 7 × 50 Price £26.10.0  
No. B1000 8 × 30 Price £17.15.0  
No. B888 10 × 50 Price £27.0.0  
p/p 3/6



**CARL ZEISS Jena**  
**DELTRINEM 8 × 30 BINOCULARS**

A name that needs no introduction and this model is probably the most popular in the Zeiss range, an established favourite on the racecourse and for touring, etc. Specification: Magnification: 8 ×; Diameter of objectives: 30 mm.; Exit pupil: 3.75 mm.; Luminosity: 14.06; Field of view angular: 8.50; Field of view in yards at 1,000 yds.: 150 yds.; Index for twilight capacity: 240. Complete in leather sling case.

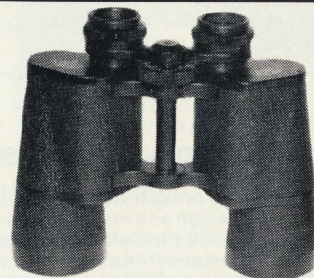
No. B1031 Price £43.5.0 inc. p/p



**CARL ZEISS Jena BINOCULARS**  
**BINOCTEM 7 × 50 and DEKAREM 10 × 50**

Two models with world-wide fame, the Binoctem is a great favourite of sportsmen and yachtsmen due to its high geometric luminosity which is of great advantage in failing light and under adverse weather conditions. Also found on the bridge of many a ship. The Dekarem, due to its high twilight index of 500, is particularly suitable for use by naturalists, ornithologists, navigators, big-game hunters, surveyors, and engineers, etc, as well as for astronomical observations.

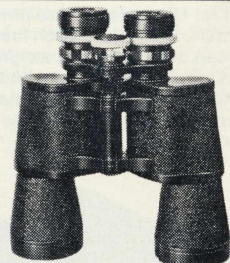
Both models have a linear field of view of 128 yds at 1,000 yds.  
No. B1032 BINOCTEM 7 × 50 Price £69.17.6  
No. B1033 DEKAREM 10 × 50 Price £76.10.0  
p/p free



**GREENKAT 7 to 12 × 50 ZEISS PATTERN**  
**ZOOM BINOCULARS**

This extraordinary instrument boosts magnifications from 7 × to 12 × without refocusing. By merely revolving a lightly balanced wheel, the user can instantly bring a distant object to the end of his fingertips. The field of view at 1,000 yds. at 7 × is 314 ft. which is only reduced to 277 ft. at 12 ×. This is really fantastic value, unbeatable at the price. Complete with leather straps and case.

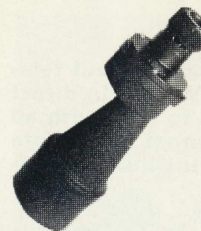
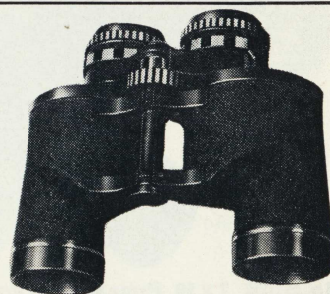
No. B998 Price £33.10.0 p/p 3/6



**GREENKAT 7 to 12 × 40 AMERICAN**  
**PATTERN ZOOM BINOCULARS**

Lighter in weight and smaller in size than the above zoom binocular this glass may appeal to the walker by virtue of its more compact nature. A part from the fact that its objective lens is 40 mm. in diameter, giving slightly less field of view it will do everything that the 7 to 12 × 50 will do and due to its construction the change in magnification can be brought about by a simple lever action as opposed to the knurled wheel. Field of view at 1,000 yds.: 323 ft. at 7 × reducing to 289 ft. at 12 ×.

No. B999 Price £27.18.9 p/p 3/6



**ROSS 7 × 50 MONOCULAR**

This instrument is noted for excellent vision at all times even for 'dusk or night' viewing because of its excellent light-gathering power and wide field. Although these monoculars are ex-Government issue, they come to you in as new condition and are superb value at the price.

No. C603 Price £8.15.0 p/p 2/6  
(Lined English leather case 25/- extra)

**10 × and 20 × MONOCULARS**

These high-quality Monoculars, made exclusively for U.T.S. by a leading British manufacturer can be easily carried in the pocket being only 6½" long and weighing only 12 oz. They have fully bloomed optics for absolute maximum light gathering power and wide field of view. Together with micrometer eyepiece focusing they become a reliable instrument capable of giving hours of unexpected pleasure.

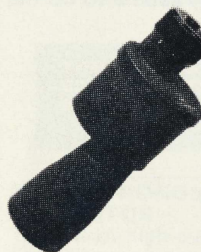
No. C602 10 × monocular £8.5.0  
No. C823 20 × monocular £8.10.0  
p/p 2/6  
(Velvet lined leather case 25/- extra)



**The 'LINDERMANN' SPOTTERSCOPE**  
**20 Power POCKET MONOCULAR**

A super lightweight prismatic spotterscope. Can easily be carried in the pocket at all times and will provide hours of unexpected pleasure that only 'close-ups' can give. Specially quick micrometer focusing 20 power. 43 mm. object glass. Length 6½". Weight 9 oz.

No. C601 Price £5.17.6  
p/p 2/6  
(Velvet lined leather case 25/- extra)



**EX ARMY 6 × 30 MONOCULAR**

Former British Army reconnaissance monocular made by leading optical manufacturers to stringent ministry specifications. They fit conveniently into the pocket or rucksack and are extremely sturdy. Their first class optical system and components give a wide field of view and excellent light gathering power. They are noted for giving the best possible vision under all kinds of light conditions.

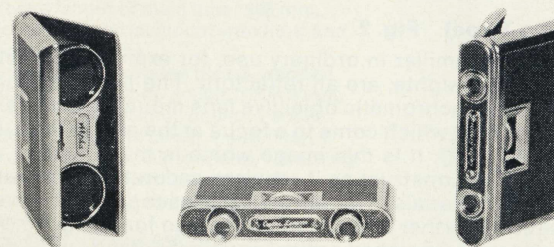
No. C825 Price £5.10.0 p/p 2/6



**2.5 × 30 OPERA**  
**GLASSES**

Handy, convenient glasses for the theatregoers, etc. Folds to the size of a cigarette case and fits conveniently into the pocket. Centre focus. Red and Green leatherette finish.

No. B337 Price 19/11 p/p 1/6





## INTRODUCING THE WORLD'S FINEST TELESCOPES ...

U.T.S. is rapidly becoming known as a leading authority in astronomical telescopes and carry the largest and widest variety in the country. We are in direct contact with world-wide manufacturers who constantly keep up to date with all advancements and thus are able to pass on to our clients the most up to date equipment and information. All telescopes are manufactured with top quality components and fully guaranteed.

## THE FUNCTION OF A TELESCOPE

There are three important functions which a good telescope is required to perform. The first and most important is **LIGHT GATHERING POWER**. This is the amount of light concentrated by a telescope lens or mirror into the image at its primary focus. It is a function of the aperture of the telescope only, and is independent of focal length and magnification. Thus the larger the aperture, the greater the resolving power.

Resolving power is an important function. In an Astronomical Telescope, resolving power depends on the size and quality of the objective lens or reflecting mirror. The larger the aperture of the telescope the greater is its ability to resolve closely adjacent objects — double stars, for instance, and more detail on the moon and planets are visible.

## CHOICE OF TELESCOPE

Telescopes fall naturally into two classes; refracting or lens telescopes, and reflecting or mirror telescopes. The reflecting mirror type, because of its economy, seems to be the most popular choice of instrument for the beginner.

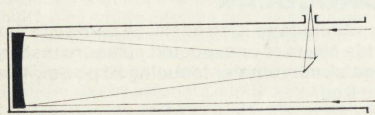


Fig. 1

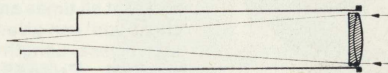


Fig. 2

## THE REFLECTOR (Mirror Type) Fig. 1

In a reflecting telescope, the image of a distant object is 'reflected' off a concave aluminized or silvered mirror to a plane diagonal mirror. This, in turn, reflects the image through to the outside of the tube, when it can be examined with an eyepiece (Fig. 1).

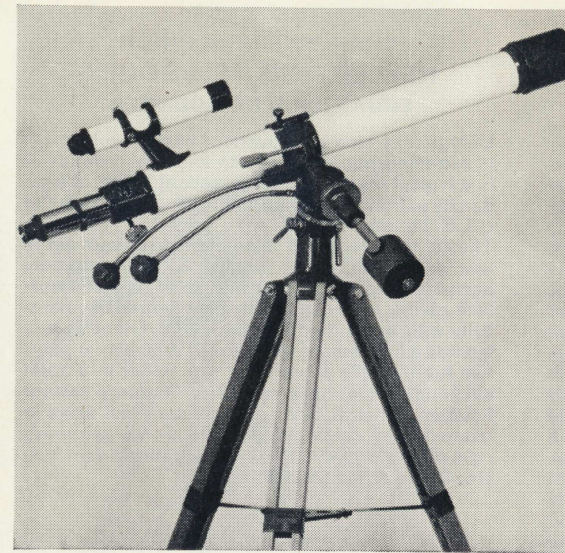
The chief advantage of the reflecting telescope is that it is easier and cheaper for an amateur to grind and polish his own mirror or buy a finished one than it is to make or buy an achromatic objective lens of equivalent diameter. Assuming that the mirror is correctly curved, the resolving power is usually a function of the aperture of objective lens or mirror. Thus, with a reflecting telescope, you can see *more and better for less money and effort*.

There are, of course, several books on the art of building a reflecting telescope and grinding and polishing parabolical mirrors.

## THE REFRACTOR (Objective Lens Type) Fig. 2

The refracting telescope is the type most familiar in ordinary use, for example, the telescopes used at sea, and in the form of gunsights, are all refractors. The principal component of a refracting telescope is the large achromatic objective lens mounted at the end of the tube. This lens gathers the rays of light which come to a focus at the end of the tube where a primary image is formed (See Fig. 2). It is this image which is magnified by an eyepiece. Such a lens system is difficult to construct as it requires accurate alignments, precise colour correction and expensive materials. The refracting telescope is, however, easy to use once made, since it requires no further adjustment other than focusing.

We have the largest range of telescopes and finished optical parts in England.



## THE 3" ASTRONOMICAL REFRACTOR

page 31

This exceptionally superb instrument is rapidly becoming one of the most popular of its specification. The magnification is 36 ×, 72 ×, 101 ×, 182 ×, 202 ×, 364 ×. The 6 × 30 finder scope, the equatorial and altazimuth with slow-motion mount and field tripod together with the undermentioned accessories make this telescope a necessity for the qualified amateur. Magnification powers: 364 ×, 202 ×, 182 ×, 101 ×, 72 ×, 36 ×. Clear aperture: 77 mm. Focal length: 900 mm. Finder scope: 6 × 30. Accessories: three eyepieces (SR 5 mm., HM 9 mm., 25 mm.), one erecting prism, one star diagonal prism, one sun projection screen, one sun glass, one 2 × Barlow lens, one 6 × 30 finder, one wooden two-section tripod. Packed in wooden carrying box. **No. C831 Price £74.15.0 inc. p/p**

MB

THOUSANDS OF OTHER ITEMS IN STOCK—IF THIS CALAGUE DOES NOT HAVE YOUR REQUIREMENTS—WRITE OR TELEPHONE US

WE CARRY A WIDE RANGE OF BOOKS ON ASTRONOMY AND OTHER SCIENTIFIC SUBJECTS — LISTS AVAILABLE ON APPLICATION

## Y-518 ASTRONOMICAL REFRACTOR

This superb high-quality telescope is generally recommended by qualified astronomers for all who make a study of the heavens. The advantages this telescope has over others of the same price are too various to mention — the following specifications will help to indicate its value to enthusiasts:

Magnification powers: 73 ×, 101 ×, 146 ×, 182 ×, 202 ×, 364 ×

Clear aperture: 60 mm.

Focal length: 910 mm.

Light collecting power: 54 times

Resolving power: 2.1 second of arc

Faintest discernible star: 10.9 magnitude

Main tube: white smooth finish

Closed length of main tube: 905 mm.

Mount: equatorial mount with hour and declination circle

Accessories: wooden tripod, wooden cabinet, 1 SR 5 mm. ocular, 1 HM 9 mm.

ocular, 1 HM 12.5 mm. ocular, 1 6 × 30

finder, 1 diagonal prism, 1 sun filter, 1

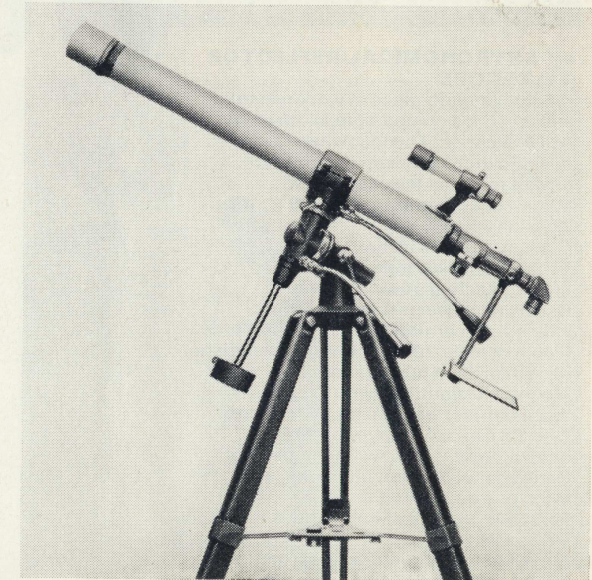
moon filter, 1 2 × Barlow lens, 1 erecting

prism, 1 sun projection screen, 1

equipment tray, 1 link chain, 2 flexible

handles.

**No. C641 Price £58.19.6 inc. p/p**

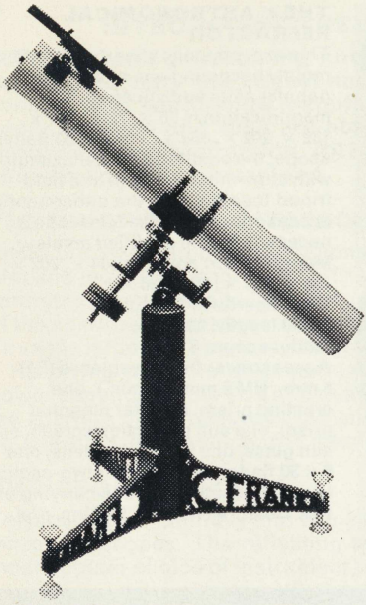




**CHARLES FRANK 6 INCH REFLECTING TELESCOPE EQUATORIALLY MOUNTED**

Of high precision and advanced design, this model is extremely popular with schools and colleges. It is a typical example of the excellent range of high quality astronomical instruments to be found in the U.T.S. showrooms.

The 48" focal length, 6" diameter mirror is of pyrex low expansion glass worked to an extremely accurate parabolic figure with an aluminised surface giving an exceptionally high degree of reflectivity with a resultant aperture of  $f/8$ . Other details include a lightweight seamless 7" diameter aluminium tube, a fully achromatic star finder in 3 point suspension mount, a standard 'German' pattern Equatorial mount using 1" diameter steel axles in reamed alloy castings. Mounted on an extremely rigid pillar stand with levelling adjustments on feet.  
**No. C983 Price £98.0.0**



**MB**

**4 1/2" ASTRONOMICAL REFLECTOR TELESCOPE**

Another superb piece of workmanship with qualities comparable to others at twice the price. The following specifications will help to show the advantages this telescope has.

Magnification powers: 45 x, 90 x, 150 x, 225 x, 300 x, 450 x.

Clear aperture: 114 mm.

Focal length: 900 mm.

Light collecting power: 182 times.

Resolving power: 1.1 second of arc.

Faintest discernible star: 12.1 magnitude.

Finish of main tube: white smooth finish.

Length of main tube: 911 mm.

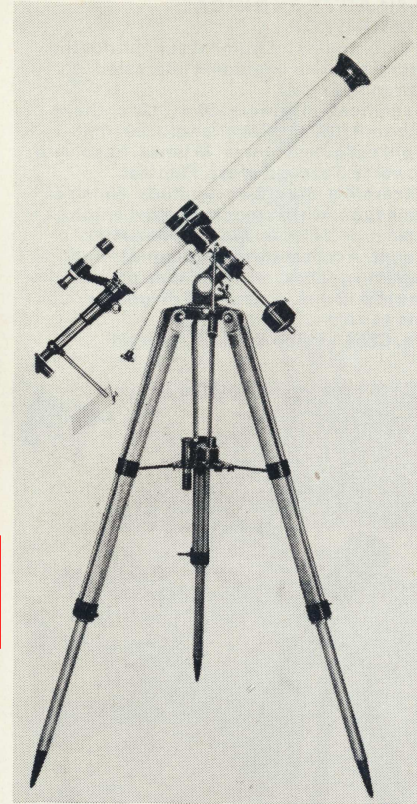
Mount: altazimuth mount.

Accessories: wooden tripod, gift box, One SR 4 mm. ocular, one HM 6 mm. ocular, one 5 x 24 view finder, one 2 x Barlow lens, one sun filter, one moon filter, one equipment tray.

**No. C640 with altazimuth mount.**

**Price £34.10.0 inc. p/p**

**No. C843 with equatorial slow motion mount. Price £45.19.6 inc. p/p**



**Y-517 ASTRONOMICAL REFRACTOR**

Another fine instrument greatly valued by enthusiasts who have purchased one. It is a high-quality instrument supplied with a full range of accessories.

Magnification powers: 56 x, 112 x, 117 x, 234 x.

Clear aperture: 60 mm.

Focal length: 700 mm.

Light collecting power: 54 times.

Resolving power: 2.1 second of arc.

Faintest discernible star: 10.9 magnitude.

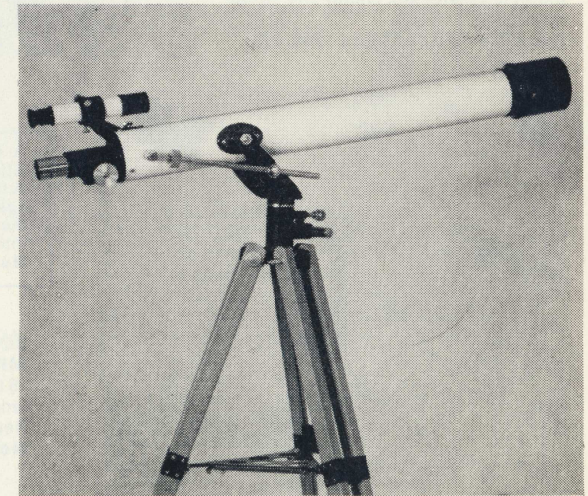
Finish of main tube: white smooth finish.

Length of main tube: 680 mm.

Mount: altazimuth mount with vertical and horizontal fine adjustment.

Accessories: wooden floor tripod, styrofoam-lined wooden cabinet, one H 6 mm. ocular, one H 12.5 mm. ocular, one 5 x 24 viewfinder, one 2 x Barlow lens, one star diagonal prism, one sun lens, one 1.5 x erecting eyepiece, one equipment tray.

**No. C615 Price 29 gns. inc. p/p**



**Y-520 ASTRONOMICAL REFRACTOR**

This exceptionally fine instrument is recommended by many noted astronomers as being a dependable piece of equipment for all who are interested in astronomy.

The following specifications will help to illustrate the potential this telescope has.

Magnification powers: 60 x, 96 x,

120 x, 192 x, 300 x, 600 x.

Clear aperture: 76 mm.

Focal length: 1,200 mm.

Light collecting power: 181 times.

Resolving power: 1.5 second of arc.

Faintest discernible star: 11.2 magnitude.

Finish of main tube: white smooth finish.

Closed length of main tube: 1,372 mm.

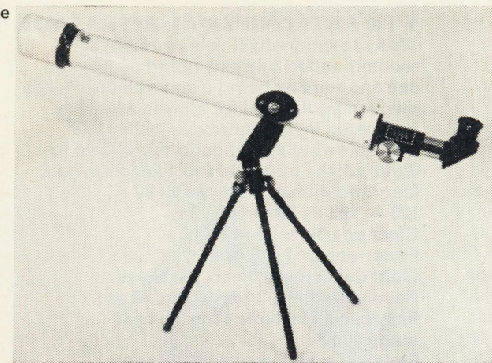
Mount: equatorial mount with hour declination and azimuth circle.

Accessories: wooden cabinet, wooden tripod, one SR 4 mm. ocular, one HM 12.5 mm. ocular, one HM 20 mm. ocular, one 6 x 30 viewfinder, one diagonal prism, one sun glass, one moon glass, one 2 x Barlow lens, one erecting prism, one sun projection screen, one metal equipment tray, two flexible handles.

**No. C857 Price £114.0.0 inc. p/p**

**WE CARRY A WIDE RANGE OF BOOKS ON ASTRONOMY AND OTHER SCIENTIFIC SUBJECTS - LISTS AVAILABLE ON APPLICATION**





**Y-511 ASTRONOMICAL REFRACTOR**

A high-quality instrument suitable for the young amateur or student interested in astronomy. Magnification powers: 50 x, 100 x. Clear aperture: 50 mm. Focal length: 600 mm. Light collecting power: 36 times. Resolving power: 2.3 second of arc. Faintest discernible star: 10.3 magnitude. Finish of main tube: white smooth finish. Length of main tube: 582 mm. Mount: altazimuth mount. Accessories: metal table tripod, carrying gift box, one HM 6 mm. ocular, one HM 12 mm. ocular, one diagonal prism, one sun lens.

**No. C858 Price £12.12.0 p/p 4/6**



**Y-516 ASTRONOMICAL REFRACTOR**

A precision instrument of interest to the student and amateur requiring higher magnification and better optics.

Magnification powers: 78 x, 127 x. Clear aperture: 60 mm. Light collecting power: 54 times. Resolving power: 2.1 second of arc. Faintest discernible star: 10.9 magnitude.

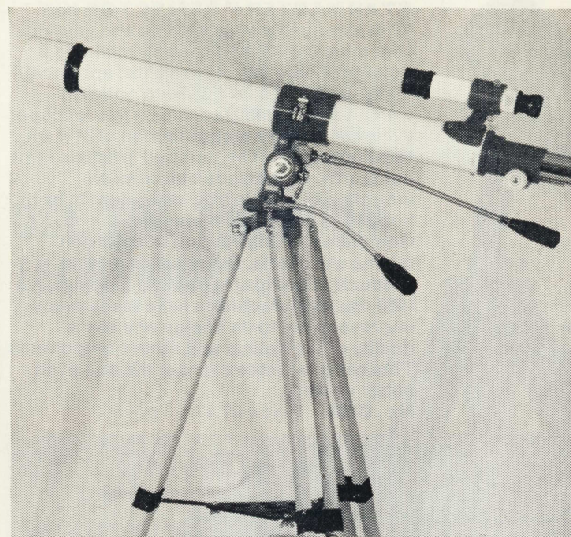
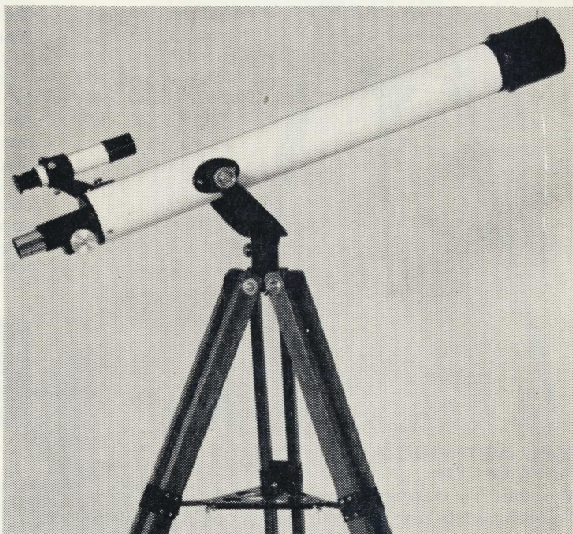
Finish of main tube: white smooth finish.

Length of main tube: 680 mm.

Mount: altazimuth mount.

Accessories: one H 5.5 mm. ocular, H 9 mm. ocular, 1 x 24 finder, one sun lens, one star diagonal prism, one moon lens, one link chain, one equipment tray.

**No. C850 Price 18 gns inc. p/p**



**THE Y-515 ASTRONOMICAL REFRACTOR**

This superb telescope is highly recommended by qualified astronomers. It has excellent finish and wide magnification powers. The following specifications give an indication of this telescope's value to enthusiasts: Magnification powers: 40 x, 64 x, 80 x, 128 x, 133 x, 266 x. Clear aperture: 60 mm. Focal length: 800 mm. Light collecting power: 54 times. Resolving power: 2.1 second of arc. Faintest discernible star: 10.9 magnitude. Finish of main tube: white smooth finish. Length of main tube: 760 mm. Mount: altazimuth mount with vertical and horizontal slow motion control. Accessories: wooden floor tripod, white finish wooden cabinet, one HM 12.5 mm. ocular, one HM 6 mm. ocular, one H 20 mm. ocular, one 6 x 30 view-finder, one 2 x Barlow lens, one star diagonal prism, one erecting prism, one sun lens, two flexible handles, one equipment tray.

**No. C849 Price £43.2.6. inc. p/p**



**ZOOM TELESCOPE WITH TRIPOD MK. I NOW AVAILABLE WITH FULL LENGTH 8 DRAW TRIPOD**

An exceptionally well built modern design terrestrial and astronomical telescope. Certified by Japanese Telescope Institute for high quality. 13 to 40 magnification. 40 mm. coated O.G. lens. Weight 17 oz.

**No. C840 Price £16.16.0 inc. p/p**



**Y-510 VARI-POWER TERRESTRIAL TELESCOPE**

The care and attention which has gone into the production of this extremely versatile telescope is equal to that applied to telescopes four times the price. Features include: pancratic eyepiece, rack and pinion focusing giving magnifications 15 x, 30 x, 45 x, 60 x (O.G. 60 mm.) Finish of main tube: light blue smooth finish.

Length of main tube: 618 mm. Accessories: two section wooden tripod, gift box.

**No. C631 Price £13.19.6 p/p 3/6**



A RECOMMENDED BOOK FOR THE BEGINNER 'THE SKY OBSERVER'S GUIDE' A fully illustrated comprehensive book for all ages, it contains instructions on the use of the telescope, star charts and many other interesting items.

**No. H3550 Price 12/6 p/p 1/6**

**ZOOM TELESCOPE WITH TRIPOD MK II**

15 to 60 magnification. 60 mm. coated OG lens weighing only 28 oz. Recommended for the serious amateur.

**No. C663 Price £21.0.0 inc. p/p**



**BUILD YOUR OWN TELESCOPE**



Over 10,000 ALREADY SOLD

**STARMASTER 4" REFLECTOR KIT**  
 With top-quality components and easy-to-assemble instructions, the kit includes a finished 4" ready ground mirror, spherical mirror and diagonal flat, both optically worked and aluminized, plus a microscope eyepiece giving a magnification of 31x on this instrument. The finished article is light but sturdy, on a wooden altazimuth mounting to enable free movement in both horizontal and vertical planes. Complete with instruction booklet containing sky charts. Since commencing production on this instrument in early 1957, the manufacturers have made many improvements to its design and to the quality of the optical and other components. This will guarantee a longer life and even better viewing.  
**No. C633 Price £7.17.6 p/p 5/-**



Additional 78x eyepieces for increased magnification: **£3.5.0.** The 'Starmaster' can be supplied completely assembled and ready for use at **£12.17.6**



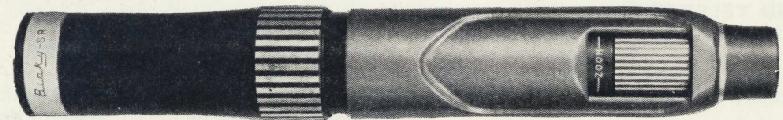
**USE THE T.V. ZOOM TECHNIQUE...**



**... BRING YOUR IMAGE EVEN CLOSER!**

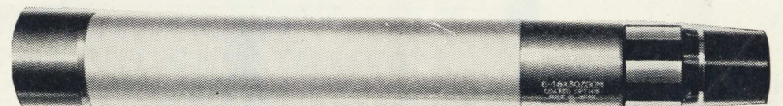
**ZOOMSCOPE 20 to 60 POWER COMPLETE WITH FULL LENGTH TRIPOD**

Ideal for all terrestrial and celestial uses due to high resolution and small aberration of lenses over the entire field. This fine instrument has a 60 mm. objective lens and zooms to any power from 20 to 60 times. It is 23 in. in length and weighs 27 ozs. Beautifully finished in metallized grey with black hood.  
**No. C971 Price 15 gns. inc. p/p**



**ZOOMSCOPE 8 to 25 POWER**

Fitted with a standard tripod bush this high-quality precision focusing telescope has a 30 mm. objective lens and is extremely popular with all kinds of enthusiasts. It is easy to handle, weighs only 16 oz. and has a zoom window for increasing magnifications from 8 up to 25 times. Black metallized body. Length 12½". Complete with table stand tripod.  
**No. C970 Price £8.10.0 p/p 3/6**

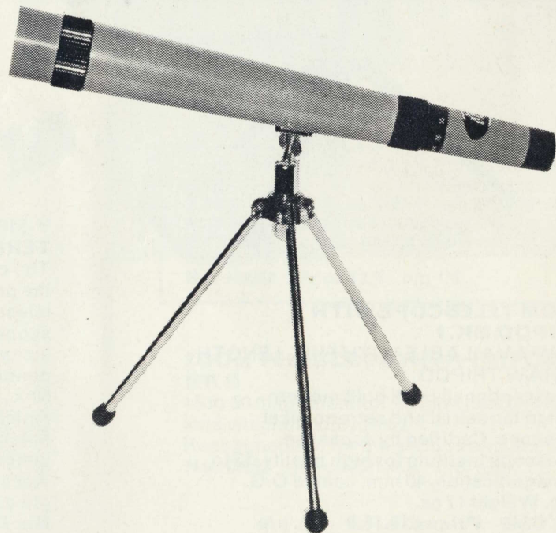


**ZOOMSCOPE 6 to 18 POWER**

Another outstanding Zoom telescope guaranteed to provide hours of pleasure. Precision focusing. Wide field view at all magnifications. Brings target up from 6 to 18 times. Guaranteed to give outstanding performance.  
**No. C969 Price £3.18.9 p/p 3/6**

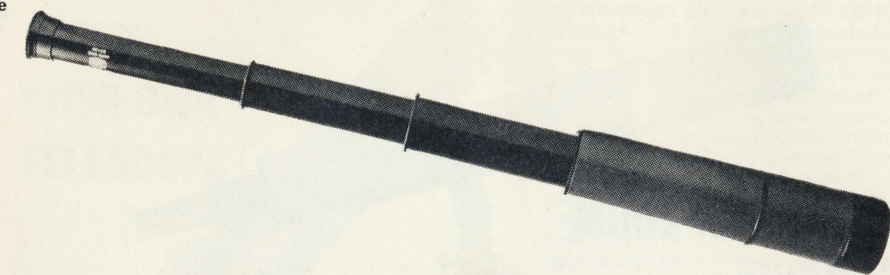
**JANIK 10 to 30x 30 ZOOM TELESCOPE**

A compact all-purpose model of ultra modern design, extremely easy to handle. The micrometer focus is mounted direct to the object glass with the zoom near at hand to the eyepiece. It is of all metal construction, attractively finished in grey and black and mounted on a detachable solid metal tripod. Coated lenses throughout. Length: 13½". Height: when mounted: 10". In presentation gift box.  
**No. C963 Price £6.10.0 p/p 3/6**





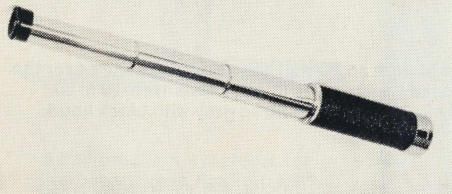
**MB**



**THE SCOUTER' 25 x GENERAL PURPOSE TELESCOPE**

A truly remarkable instrument for the price, this three-draw telescope is beautifully finished in English chrome leather. The lenses are fully bloomed throughout, and all metal parts are anodized. The magnification is twenty-five times and through the 52 mm. objective lens gives an extra wide clear picture with excellent light value. It is extremely light and compact weighing less than 2 lb. It is 34" long when extended and closes down to only 11½". Made exclusively for U.T.S. and based on the famous 'Scout Telescope' as used by the British Forces in World War II.

**No. C610 Price £6.15.0** p/p 3/6

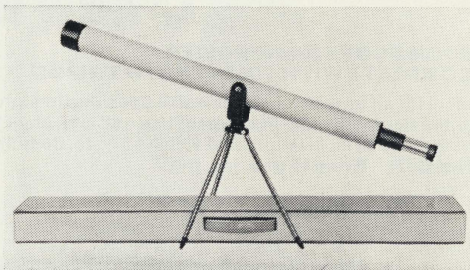


**H-530 HAND TELESCOPE**

A very handy piece of equipment manufactured to a high degree of accuracy. Convenient to handle. The quality of the optical components make this telescope ideal to take to sports and athletic meetings.

Specification as follows:  
Magnification power: 25 x 30 mm.  
Main tube: black imitation leather covered.  
Main tube length: 174 mm.  
Draw tubes: three.

**No. C620 Price £2.5.0** p/p 3/6  
Supplied in attractive gift box.  
Carrying case optional, 6/- extra.



**Y-501 TERRESTRIAL TELESCOPE**

An excellent example of value for money. First-class workmanship and optical components make this telescope ideal for the enthusiastic beginner.

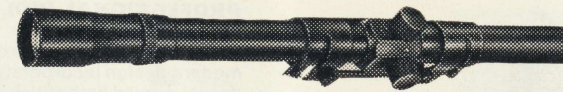
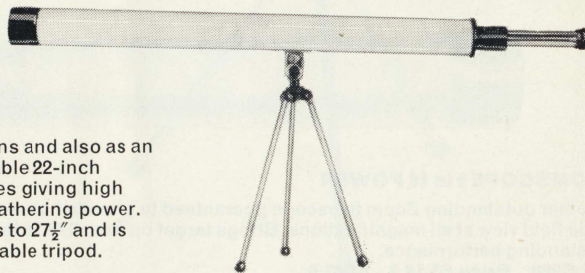
Specification as follows:  
Magnification power: 30 x 40 mm.  
Main tube: white smooth finish.  
Tube length: 720 mm.  
Accessories: metal table tripod, carrying gift box.

**No. C630 Price £4.12.6** p/p 2/6

**10 x 40 JUNIOR REFRACTOR TELESCOPE**

For long-range terrestrial observations and also as an introduction to astronomy. Unbreakable 22-inch lightweight plastic tube, coated lenses giving high magnification, resolution and light gathering power. Compact and easy to handle, extends to 27½" and is complete with steady 10" high retractable tripod.

**No. C980 Price £2.9.6**



**4 x 15 TELESCOPIC RIFLE SIGHTS**

We are happy to announce a reduction in price of these excellent four power sights. With 15 mm. objective lenses, coated lenses throughout, they are Nitrogen filled and are fitted with Cross hair Graticules.

Two types available:

**No. A1170** Type H15W with mount to fit Webley rifle.

**No. A1171** Type H15B with mount to fit B.S.A. rifle.

**Price £2.19.6** p/p 2/6



**4 x 32 TELESCOPIC RIFLE SIGHT**

Designed to suit all heavy calibre rifles this sight has a 32 mm. objective lens giving a wider field around the target. It has coated lenses throughout, is Nitrogen filled and fitted with a cross hair graticule.

**No. A1172 Price £11.2.6** inc. p/p



**ZOOM RIFLE SIGHT**

A variable power sight with a 32 mm. objective lens and magnification adjustment from 2.5 times to 8 times. Extremely popular with all sportsmen it has coated lenses throughout and is Nitrogen filled.

**No. C981 Price £15.5.0** inc. p/p

**INTRODUCING THE NEW**

**'SATURN' 4" REFLECTING TELESCOPE**

See the mountains and craters of the moon with this new, ready to use astronomical telescope. It has features expected only of instruments costing many times its own price as the following specifications will show:

Mirror: f/8 clear aperture 95 mm. Standard magnification: 31 x.  
Tube length: 30". Mount: Column mount on widely spread tripod with smooth acting motions, altitude and azimuth. Pillar Height: 19½". Total weight 6½ lb.

As illustrated. **Price £15.15.0**  
78 x eyepiece, optional extra: **Price 57/6**

**THE CHARLES FRANK CP80 4" REFLECTING TELESCOPE**

This fine instrument with a 95 mm. diameter mirror is supplied in kit form but can be assembled without difficulty in about 15 minutes. Although inexpensive, there is no plastic or cardboard about it. The tube, mount and table stand are all of metal and finished in a pleasing shade of grey hammer enamel.

The quality of the optical components are first-class and wonderful views of the moon, planets and stars can be obtained.

Net weight: 7 lb.  
Price complete with eyepiece giving power of 31 x : **£10.15.0**  
78 x eyepiece, optional extra: **Price 57/6**

