

# in OPTICS

MB

CATALOG

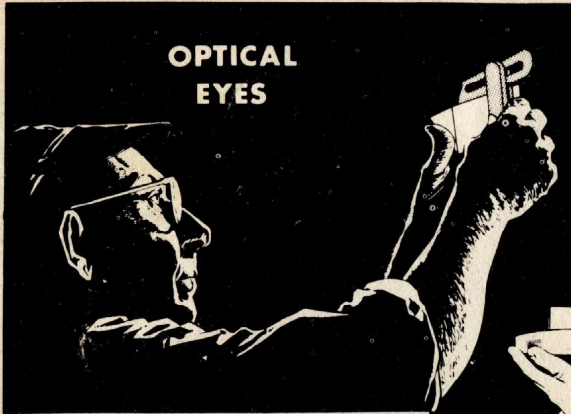
1966

1

# A. JAEGER'S

.....IT'S THE TOUCH THAT COUNTS

OPTICAL  
EYES



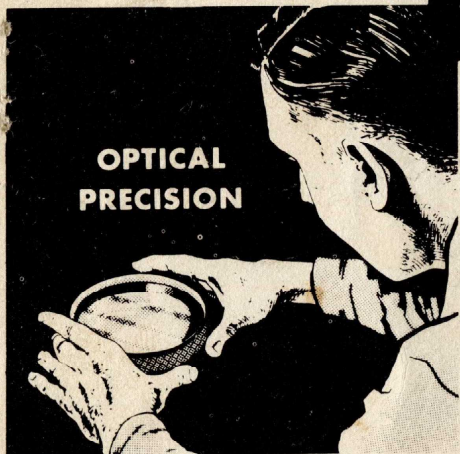
OPTICAL  
HANDS



OPTICS  
OPTICS  
OPTICS  
OPTICS

OPTICS  
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OPTICS  
OPTICS

OPTICAL  
PRECISION



The TOUCH of Gentle, Skilful,  
Firm Hands.....

Sharp, Watchful, Experienced  
Eyes.....

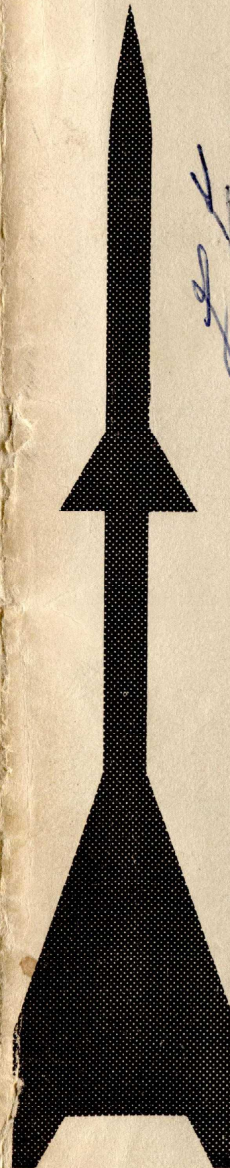
OPTICS  
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OPTICS

## A. JAEGER'S OPTICAL CORP.

Cable Address - Aljae  
Horton Avenue & Merrick Road  
Lynbrook, L. I., New York  
Lynbrook 9-3167

PRECISION MANUFACTURING TO YOUR SPECIFICATIONS

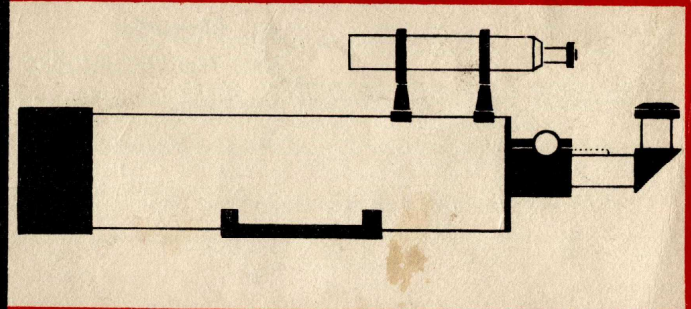
1-212-LY 9-3167



- TELESCOPES
- MIRRORS
- LENSES
- EYEPIECES
- PRISMS
- BINOCULARS



### Thousands of Optical Bargains



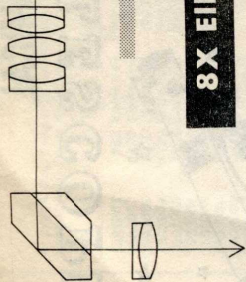
## A. JAEGER'S

*The Glass House*

691 MERRICK ROAD  
LYNBROOK, NEW YORK 11563

516 LYNBROOK 9 - 3167

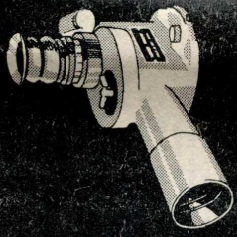
# "ELBOW" Telescopes



WAR SURPLUS BARGAINS

## 8X Elbow Telescope

\$200.00 value



Our best value offer to date. This telescope will make an exceptional finder. Also, can be used for telephoto photography. It can be easily converted into a high power astronomical telescope by removing the objective and adding a tube with a longer focal length objective. Think of these many features when buying. There are 4 filters which are mounted inside the telescope on the turret - red, neutral, amber and clear in color. Excellent resolving power and definition. Clear, sharp and bright images. Slightly used but in fine condition. Measures 11 1/2" in length, 5" in width, 6" in height. Weight 5 lbs.

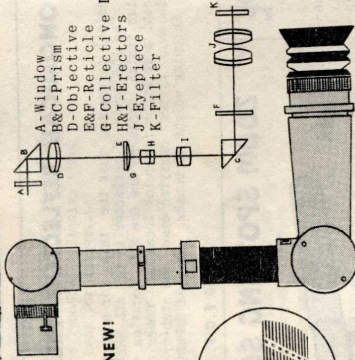
1. 8 Power telescope
2. 480 apparent field of view
3. BIG 2" x 4" objective
4. 23mm dia. eyepiece
5. Focusing eyepiece
6. All aluminum construction
7. Illuminated reticle
8. Four turret mounted filters
9. Large Amici erecting system
10. BIG BARGAIN PRICE

**uncoated \$17.50**  
Postpaid  
**coated \$27.50**

No. 1686

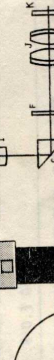
No. 1975

## TELESCOPE M60



BRAND NEW!

- A-Window
- BAC-Prism
- D-Objective
- EAF-Reticle
- G-Collective Lens
- HAI-Erectors
- J-Eyepiece
- K-Filter



3 Power periscope type military observation telescope with lens erecting system and all coated optics. Achromatic objective. Large Symmetrical Eyepiece 50mm in diameter. Field of view 33 degrees 25 minutes. Also contains 2 right angle prisms, military reticle with provision for illumination, monocular eyeguard and 3 filters. They are neutral, amber and red. Objective is located under the upper prism. Line of observation is 12" above the observers line of vision. Height 14", base 10 1/2" and weight 10 lbs.

No. 2091 \$18.75 postpaid

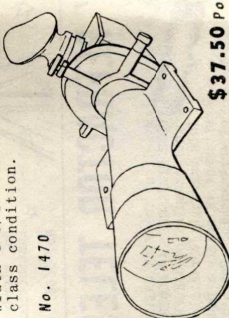
This 3 power Elbow Telescope was used by the Army in tanks for sighting at right angles. It has a 1" Achromatic Objective lens and an Amici Erecting System. The Achromatic Eye and Field lenses are 1-3/8" in diameter. It weighs 2 lbs. Measurements: 5-1/8" x 4" x 1-3/4". Small and compact.

No. 023 Uncoated (used) \$9.75 Postpaid

## M 7 Elbow Telescope

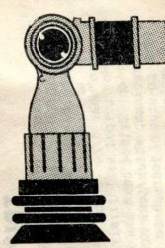
Compact and lightweight, this 8 power telescope has a 48° apparent field of view, 52mm dia. objective and focusing eyepiece. Groosline reticle, 4 turret filters - amber, red, neutral and clear in color. Large Amici erecting system, plus a rubber eyecup. Aluminum construction. Length 11", width 4-3/4" and 4" in height. First class condition.

No. 1470



\$37.50 Postpaid

## 3 X ELBOW Telescope



A. JAEGER - LYNBROOK, N.Y.

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# TELESCOPES



## REFLECTOR TELESCOPE KITS

Here are all the OPTICAL parts you need to construct an astronomical reflector telescope. Mechanical parts are not included.

### 42X TELESCOPE KIT

- A. A 3-3/8" dia. mirror, aluminized with silicon-monoxyde coating. Ground and polished to 1/4 wave length.
- B. Aluminized FS diagonal 1-1/16" x 1 1/2" x 3/8".
- C. Two lenses to make a 1" focal length Ramsden eyepiece.
- D. Instruction booklet.

\$ 9.95 Postpaid

### 45X TELESCOPE KIT

- A. A 4 1/4" dia. pyrex brand mirror, aluminized with a silicon-monoxyde coating. Ground and polished to 1/4 wave length.
- B. Aluminized diagonal first surface mirror 1-1/16" x 1-1/2" x 3/8" thick.
- C. Two lenses to make a 1" focal length Ramsden eyepiece.
- D. Instruction booklet.

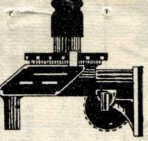
\$15.75 Postpaid

### 60X TELESCOPE KIT

- A. A 6" dia. pyrex brand mirror, aluminized with a silicon-monoxyde coating. Ground and polished to 1/4 wave length.
- B. Aluminized diagonal first surface mirror 1-1/4" x 1-3/4" x 3/8" thick.
- C. Two lenses to make a 1" focal length Ramsden eyepiece.
- D. Instruction booklet.

\$31.25 Postpaid

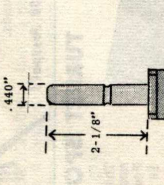
## MACHINE GUN SIGHT



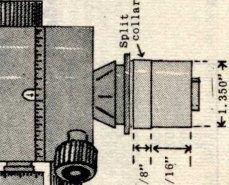
Here is a small, light and compact telescope. About 3 1/2". Contains a leman roof prism to give a clear, erect image; a 24mm f.l. eyepiece; and a 10mm dia. 80mm f.l. objective. These instruments are slightly used, but in excellent condition. Comes complete with leather carrying case. Weight of telescope: 1-1/4 pounds. BARGAIN PRICED!

No. 1687 \$8.75 Postpaid

## GEAR HEAD MOUNT



WAR SURPLUS



Smooth operating double geared mount with clutch release may be turned in a full circle. Has a circular level vial; graduated scale 0 to 64 mils; and ball joint which will lock in any position. Use with our tripod No. 213. Includes a split collar which can be removed, if you do not desire to use it with our tripod. Weight 5 pounds.

No. 2846 \$8.75 Postpaid

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THE GLASS HOUSE

WAR SURPLUS

## 8 POWER AZIMUTH PERISCOPE

A unique periscope with a quality of its own, in that when looking through the eyepiece you view rearward. This periscope is delicately balanced in the center, turns on a pivot. Contains a crossline reticle. Lamp housing enables the reticle to be illuminated for night use. The original mounting for this periscope was not offered when we made the purchase, therefore we cannot supply it.

Dismantled it offers the following parts: focusing eyepiece; objective-47mm aperture; eyelens-aperture approx. 37mm; two right angle prisms; lens erecting system.

Completely assembled and ready for use. Periscope is 29-1/2" long and weight 12 lbs. Instrument is contained in a wood chest, bringing approx. shipping weight to 40 lbs.

No. 2519 \$37.50 FOB Lynbrook

## 3 X ARMY TELESCOPE



This 3 power telescopes' upright image makes for fine viewing of landscapes, seascapes, objects, etc. These superb telescopes were produced by one of the most outstanding manufacturers of optical equipment. Easily dismantled, you will find it useful for various projects. The high resolving power of the six achromatic lenses will bring out great detail. Each scope has red reticle illuminating window on outside. Enables you to use flashlight to illuminate reticle for night use. Made of sturdy steel and brass. Weight 5 lbs., length 22 1/2" (non collapsible), 12 1/4" field. Telescope consists of a wide field keller eyepiece, f.l. 1 1/4", military reticle. Objective has a flat glass protective window. 3 power, rubber eyeguard, filters: red, amber and neutral that snap on to eyepiece. Simple instructions for converting scope to 6X finder. Included with each purchase.

No. 580 (value \$150.00) \$7.50 Postpaid

Pair of Mounting Rings for above finder.

No. 3501963 \$3.95 Postpaid

## SMALL SPECIALIZED TELESCOPE

COATED OPTICS



1-1/3 power, 5 1/2" long, solid brass construction, wt. approx. 1 lb. Contains an objective lens, mounted Porro Abbe erecting system and an achromatic eyepiece which was designed for eye relief. Eye distance 4".

No. 18C244 Uncoated \$3.75 Postpaid

No. 17D1819 Coated \$4.50 Postpaid

# Prismatic SPOTTING SCOPE

## SPECIFICATIONS:

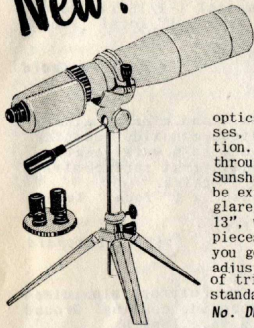
POWER	FIELD OF VIEW AT 1000 YARDS	DIAMETER OF EXIT PUPIL	RELATIVE BRIGHTNESS
15X	122'	4.0mm	16
20X	122'	3.0mm	9
30X	61'	2.0mm	4
40X	49'	1.5mm	2.25
60X	32'	1.0mm	1

**New!**

### 60mm OBJECTIVE

#### FIVE EYEPIECES

A new compact 60mm PRISMATIC SPOTTING SCOPE. An ideal optical instrument for long range observation and sightseeing. Highest quality hard coated optics, achromatic, color corrected lenses, gives outstanding pinpoint definition. Greater illumination is assured through its' large 60mm objective lens. Sunshade around the objective lens can be extended up to 2" to eliminate sun-glare. Overall length of telescope is 13", wt. 29 ozs. Supplied with five eyepieces 15X to 60X. At no extra charge you get a sturdy metal tripod, height adjustable from 11 1/2" to 16 1/2". Bottom of tripod tube has an adapter to fit a standard (heavy duty) camera tripod. No. DR1721 \$42.95 Postpaid



**New! Zoom**



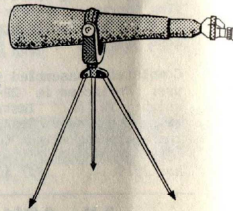
### SPOTTING SCOPE

15X - 30X

True Zoom action--fingertip control--from 15X to 30X. Choose the right power for any spotting or viewing need. 50mm achromatic objective. All optics are hard coated, which enables a brilliant image at any power. Precisely machined, all metal body; prismatic system reduces length to 15" overall. May be hand held (scope alone weighs 2 lbs.) or used with tripod supplied. Aluminum and chrome-brass tripod is adjustable from 12" to 18". Locking pan-head swivels and tilts to any angle. Shipping weight 5 pounds. No. DR258 \$45.00 Postpaid

No. DR258 \$45.00 Postpaid

### POWERFUL PRISMATIC MONOCULARS



COATED

Lightweight construction, crackle finished body with chromium plated satin finish trimming. Removable dust cap for protection of the objective lenses when not in use. Achromatic objective, coated optics. Supplied with metal tripod.

#### 20 X 40 MONOCULAR

Magnification 20X, objective lens 40mm in dia. Field of view 105' at 1000 yards. Weight 6 ozs. Length is 8 1/2".

No. DR1772

\$17.50 Postpaid

#### 30 X 60 MONOCULAR

Magnification 30X, objective lens 60mm in dia. Field of view 71' at 1000 yards. Weight 17 ozs. Length is 12 1/2".

No. DR1773

\$19.75 Postpaid

### **New!** ZOOM SPOTTING SCOPE

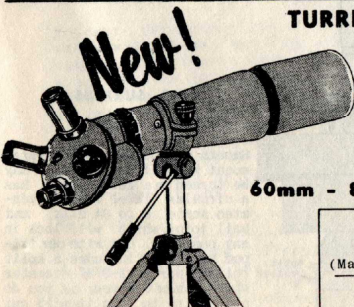
With a simple twist of the wrist you can ZOOM from 20 Power to 60 Power. Large 60mm (2-3/8") objective resolves 1.5 seconds. All coated optics, metal screw-on protective cap, eyelens cover and sunshade. Length of scope approximately 15". Sturdy metal tripod has micro-fine altitude and azimuth adjustments, also has built-in tripod adapter. Comes in fitted styrofoam case. Total shipping weight approximately 12 pounds.

No. DR2926

\$49.00 Postpaid



### TURRET SPOTTING SCOPE



#### 60mm - 80mm objectives

Eyepiece (Magnification)	Field of View at 1000 yds.	Angular Field of View (Degrees)	Diameter of Exit Pupil		Relative Brightness	
			60mm	80mm	60mm	80mm
15X	122 ft.	20.3	4.0mm	5.4mm	16	29
20X	122 ft.	20.3	3.0mm	4.0mm	9	16
30X	61 ft.	10.2	2.0mm	2.7mm	4	7
40X	49 ft.	0.9	1.5mm	2.0mm	2.25	4

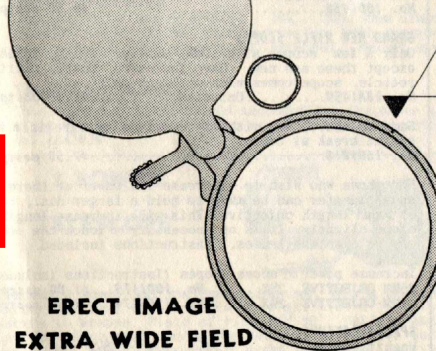
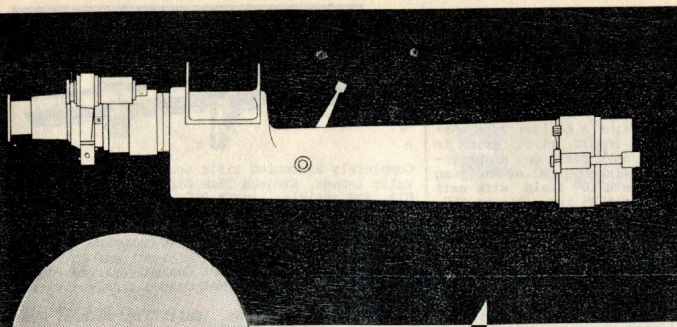
VARIABLE POWER

15X, 20X, 30X & 40X

A. JAEGBRS LYNBROOK, N. Y.

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**MB**



# Azimuth

## TELESCOPE

GOV'T COST \$500.00

### ERECT IMAGE EXTRA WIDE FIELD

#### SPECIFICATIONS:

Clear Dia. Of Achromatic Objective 3"  
F. L. Of Objective Approximately 23 1/2"  
Power - 10X and 15X, (Two Eyepieces)  
Eyepieces -- (Focusing Type)  
Field Of View 3 Degrees and 2 Degrees  
Exit Pupil 7.5mm and 5mm

Minimum Focus 50 Feet  
Prismatic Erecting System  
Horizontal Reticle Scale In Degrees  
Reticle Adjustable (Can Be Removed)  
Swing Away Objective Guard

#### 10X - 15X AZIMUTH TELESCOPE (Specs above)

This versatile war surplus optical instrument is well suited for astronomical use. The crystal-clear, bright erect image and extra wide field makes it a natural for terrestrial use. Perfect for rifle ranges, scope has been used to spot holes in rifle targets 400 yards away. Use for bird watching, viewing boat races, observing airplanes, etc. Comes with 2 interchangeable powers 10X & 15X highly corrected wide-angle eyepieces. Scope is equipped for electrical connections for illuminating the reticle for night use. 2 Mazda type 64 lamps 3C W 6-8V. included. No power supply included. Telescope is constructed of solid bronze with tripod pivots, military olive-drab paint finish, length of scope 26", shipping wt. approx. 40 lbs. Slightly used, in excellent operating condition.

No. 2865

\$79.50\*

#### 15X AZIMUTH TELESCOPE

SPECIFICATIONS: One 15 power eyepiece, field of view 2 degrees, exit pupil 5mm. Shipping weight approximately 40 lbs. All other specifications are the same as No. 2865.

No. 2716

\$55.00\*

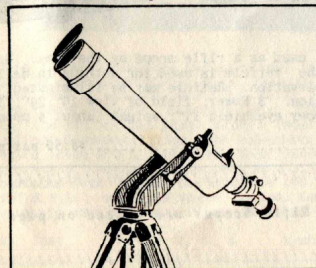
#### 10X AZIMUTH TELESCOPE

SPECIFICATIONS: One 10 power eyepiece, field of view 3 degrees, exit pupil 7.5mm. Shipping wt. approx. 40 lbs. All other specifications are the same as No. 2865.

No. 2817

\$49.50\*

Illustration shows Azimuth Scope mounted on tripod.



### TRIPOD

U. S. Government tripod, constructed of oak with bronze legs and fittings. Legs are adjustable, fully extended 50", closed 36" (without mount). Original government cost \$66. Our low price includes our own saddle mount which will accommodate the above telescopes as well as many others. Shipping weight approximately 9 pounds.

No. 2045

\$25.00\*

\* All items on this page are shipped Express Collect

F.O.B. Lynbrook, New York

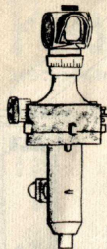
THE GLASS HOUSE

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11/17/65

BARGAIN PRICED

## PANORAMIC TELESCOPE



**SURPLUS SALE** 4 Power Panoramic Telescope with a geared objective rotating head, head rotates 360°. Contains a Kellner type eyepiece 21mm focal length, amici prism to give erect image, dove prism and an objective lens. This telescope is of American manufacture and has a 10° field with exit pupil of 4.5mm. Weight 4½ lbs., height 8¾". Slightly used.

No. 1690 \$12.50 Postpaid

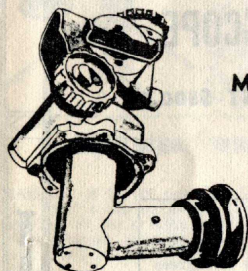
4 Power Panoramic Telescope manufactured by C. P. Goertz, Berlin, Germany. Contains similar optics as above. Height 10", weight 5 lbs. These instruments are in better condition than those listed above.

No. 1691 \$17.50 Postpaid

## M12 PANORAMIC TELESCOPE

Similar to above. 4X optical system. Achromatic objective, amici roof erecting system. Height approximately 10", weight 6 pounds.

No. 2779 BRAND NEW COATED OPTICS \$27.50 Postpaid



## U. S. Army M1 PANORAMIC Telescope

\$12.00 Postpaid

No. 18A1935

Distinguishing feature of this Panoramic Telescope is that the eyepiece leg slants upward at an angle of 25°, permitting the observer to look downward at this angle and yet maintain a true horizontal line of sight. Because of the angle of the eyepiece, a special 155° Amici prism is used. 3 Power, field of view 12'12". The objective is located between the rotating Amici prisms. Crossline reticle.

## 6 X Battery Commander Periscope



This instrument has a focusing eyepiece. Fine crossline reticle. Field of view 60 30 minutes. Made of brass, length 28". Disassembled, it offers the following parts:

FOCUSING KELLNER EYEPIECE - 1-1/8" E. F. L.  
2 RIGHT ANGLE PRISMS - flat to ¼ wave, 25 x 23mm and 30 x 30mm face size.  
ACHROMATIC OBJECTIVE LENS - 30mm diameter, 11" F. L.  
2 ERRECTING LENSES - achromatic, 25mm dia. x 5½" F. L. and 25mm dia. 7" F. L.  
PLANO CONVEX COLLECTIVE LENS - 34mm dia. x 5½" F. L.

Completely assembled and ready for use.  
No. 1365 \$15.00 Postpaid

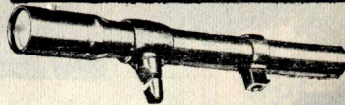
## TRIPOD

3' high, may be extended to 5". Smooth operating double geared mount with clutch release, may be turned in full circle. Has circular level vial and graduated scale 0 to 64 mils. Has ball joint which will lock scope in any position.

No. 1366 \$20.00 Postpaid



## RIFLE SCOPES



Completely assembled rifle scopes, contain five achromatic lenses. Eyelens 25mm Diameter Objective lens 18mm Dia. and reticle. Length 8¾". Although used, each rifle scope is individually checked by our Inspection Dept.

1X rifle scope (above) has true crossline reticle, plus small grid pattern.

No. 16B1457.....Used Not Coated.....\$3.95 postpaid

No. 16B2881.....New Not Coated.....4.95 postpaid

1X rifle scope same as No. 16B1457, but without brackets, has military type reticle.

No. 16B1458.....\$6.50 postpaid

### BRAND NEW RIFLE SCOPES

Only a few scopes with 1.8X, similar to No. 16B1458, except these are new. Have increased power, military reticle, scope comes without brackets.

No. 18A1459.....Uncoated.....\$7.50 postpaid

Same as above, but with 1X crossline type reticle with slight break at center.

No. 16B1818.....Coated.....\$7.50 postpaid

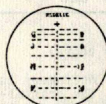
For those who wish to increase the power of these scopes, adapter can be made to hold a larger dia., longer focal length objective. This will increase length of scope slightly. It is not necessary to touch the erectors or eyepiece lenses. Instructions included.

Increase power of above scopes (Instructions included).  
25MM OBJECTIVE 2½X.....No. 10D1173...\$1.00 postpaid  
31MM OBJECTIVE 3½X.....No. 10E1174...1.00 postpaid

### SPECIFICATIONS:

Magnification	1X	2½X	3½X
Exit Pupil	18mm	12mm	8mm
Eye Relief	4"	4"	4"
Field at 100 yards	54'	30'	22'
Weight	11 ozs.		

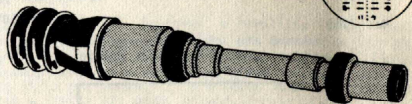
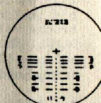
## "LARGE" RIFLE SCOPE M86C



3 Power war surplus army rifle scope. Has reticle which will give you desired deflection and range. Reticle may be illuminated for night use. Field of view 70 3'. Length 10-1/8", weight 1½ pounds.

No. 1966.....\$8.50 postpaid

## "LARGE" RIFLE SCOPE M69C



War surplus, used as a rifle scope by the army. Graduations on the reticle is used for setting in deflections and elevation. Reticle may be illuminated for night operation. 3 Power, field of view 10° 24', length with rubber eyeshield 17", weight about 4 pounds.

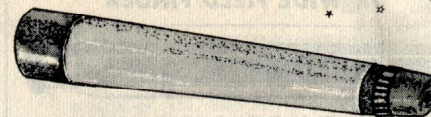
No. 1965.....\$8.50 postpaid

Additional Rifle Scopes are listed on page 37.

# ASSORTED TELESCOPES and PARTS

## HAND TELESCOPES

Just In!  
COATED  
BRAND NEW  
COMPACT  
30mm OBJECTIVE  
LIGHTWEIGHT



### 10X TELESCOPE

This 10 Power Telescope with a BIG 30mm objective, gives a wide field of view. The draw tube is eliminated! Just turn the focusing eyepiece and clear, crisp definition appears. Coated for greater light transmission. Excellent for hunting, boating, bird watching, nature study, target spotting and other general telescopic uses. Weighs only 9 ounces, and is 12 inches in length.

No. DR2737

\$6.95 Postpaid

### ZOOM TELESCOPE

Magnification ranges from 6X - 18X. This 30mm diameter achromatic objective is hard-coated. Two-tone gray enamel finish, chrome plated draw tube with threaded adapter for use with standard camera tripod. Length approximately 10¾" closed; 13" extended. Weight approximately 10 ounces.

No. DR2759

\$7.95 Postpaid

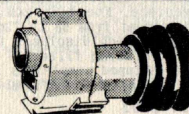
### TABLE TOP TRIPOD

This sturdy 9" metal tripod accommodates the above telescope (DR2759). Equipped with rubber feet to prevent slipping. Ball joint enables movement in all directions, and locks into desired position. Weight 11 ounces.

No. 16A2824

\$2.00 Postpaid

## 3 POWER TELESCOPE

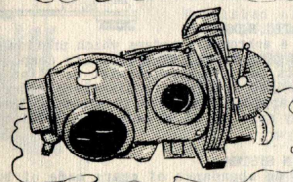


Compact 3 power war surplus telescope. Has a unique mirror erecting system and a dovetail slot 1-1/8" to secure to weapon. Field of view 11° 30'. Reticle has pattern which represents the desired deflection and range. May be illuminated for night operation. Length with rubber eyeshield 5". Height 3". Weight about 1½ lbs.

No. 1958

\$6.50 Postpaid

## NORDEN BOMB SIGHT



This is the famous Norden Bomb Sight used in World War Two, on display at the Smithsonian Institute. A real collectors item. You will receive the head unit of the sight, which contains a multitude of useful parts including: lenses, prisms, gyro, gears, etc. We offer this tremendous value to you at a low, low price. Excellent, new like condition. Approx. weight 33 pounds.

No. 2920

\$37.50 F.O.B. Lynbrook, New York

## 3X TANK TELESCOPE M76

### WAR SURPLUS



This 3X Tank Telescope has an actual field of view of 21° 30' (apparent field 65°). Take it apart and you have lenses, windows, arreticle, cells, tubes, retaining rings, spacers, housings, etc. Tremendous value for the optics and parts alone! This telescope has unlimited possibilities. The objective (No. 18B1462) has a 104mm E.F.L.; contains four lenses. The highly corrected erecting system has an E.F.L. of 118.6mm; contains four lenses. The eyepiece (No. 1E1592) has a 1½" E.F.L.; contains three lenses. Length is 27½". Slightly used, good condition. Shipping weight 25 lbs.

No. 2002

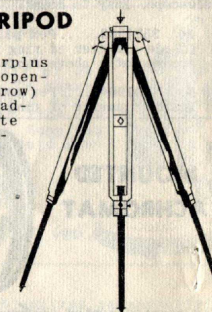
\$45.00 F. O. B. Lynbrook, New York

## ADAPTABLE TRIPOD

This government surplus tripod has a 1-3/8" opening at top (see arrow) which can easily be adapted to accommodate various types of telescope mounts. Made of oak with bronze legs and fittings. Legs are adjustable, fully extended 60", closed 36". This durable and sturdily built tripod will securely support a wide range of instruments, reflectors, refractors, movie cameras, still cameras, etc. Versatile tripod - Excellent value. Weight 7 lbs.

No. 2131

\$15.00 Postpaid

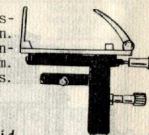


## MECHANICAL STAGE

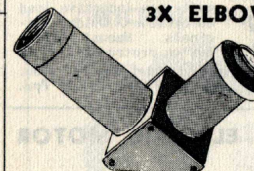
This mechanical stage is of professional quality and extreme precision. Main and vernier scales in both length & width allow readings to 0.1mm. Appropriate for our microscopes Nos. DR1584 and DR1585 (see page 24A).

No. DR2520

\$21.75 Postpaid



## 3X ELBOW TELESCOPE

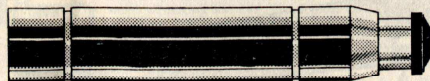


This small compact lightweight Elbow Telescope contains an Amici erecting system. It has a wide-angle Kellner type eyepiece which covers a large field. It is of the fixed focus type and has a crossline reticle with graduations. Telescope is 4" long and 3" high, 1-3/8" in width, weight only 7½ ozs. Slightly used war surplus scope, in good operating condition. (Illustrated above.)

No. 1985.....Uncoated.....\$15.00 postpaid

Same as above, but slightly smaller with true crossline reticle.  
No. 2683.....Coated.....\$15.00 postpaid

7X WIDE FIELD FINDER



Excellent wide-field finder for refractor or reflector astronomical telescopes. Contains an achromatic kellner focusing eyepiece, a crossline reticle and an achromatic objective to make finding easy. Fine definition. Finished in black anodized aluminum. Length 9 1/2", diameter 1 1/4", weight is 9 ounces.

No. 18E2193 \$12.75 postpaid

FINDER RING MOUNT

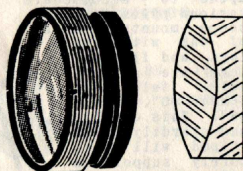


Made of cast aluminum with black crackle paint finish. Each ring has three locking wing screws for adjusting. Base has two holes for screws and fits any diameter telescope. Easy to mount.

A. No. 35D1963.... Per pair.... \$3.95.... postpaid. Inside diameter of ring mount 1-15/16". Accommodates above Finder.

B. No. 35D1964.... Per pair.... \$3.95.... postpaid. Inside diameter of ring mount 2-11/16".

MOUNTED ACHROMAT

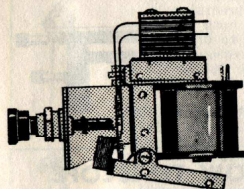


This mounted coated achromat is 64mm in diameter and has a focal length of 190mm. Mounting is threaded and measures 71mm in diameter (at threads), and is 29mm long. This achromat is not sufficiently corrected for use as a telescope objective, but will make a fine achromatic condensing lens.

No. 12A2288 \$4.00 postpaid

RELAY SWITCH

MAGNETIC

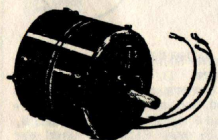


Must be mounted horizontally as shown. Pressing button closes contact points; when magnetic field is activated, contact is broken in push button circuit. Coil operates 12 volt D.C. Contact points rated 1500 watts non-inductive load 60 cycle A.C. Solder terminals. Manual switch button protrudes 3/4" in front of panel. Dimensions behind panel are 1 3/4" wide, 2 3/4" high, 2 3/4" deep.

No. 16C2790 \$4.25 Ppd.

ELECTRIC MOTOR

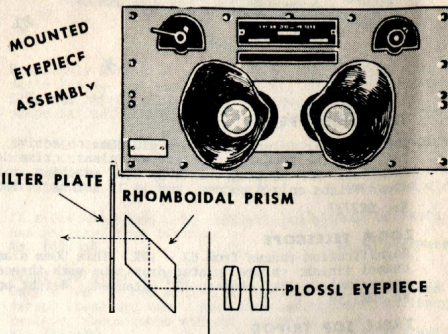
BRAND NEW



Universal type, use A.C. 115 volts 60 cycles, or D.C. Reversible, has three leads 7" long. 1/30 horsepower; 7,000 R.P.M. Intermittent duty, high starting torque. Measurements: shaft 1/4" diameter by 3/8" long; body 2-5/8" diameter by 2 1/2" long; overall length 4 1/4".

No. 17B2738 \$4.95 Postpaid

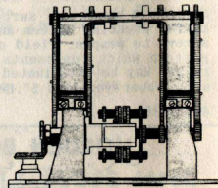
HEIGHT FINDER PARTS



From U.S. Army Height Finder M1 - Consisting of 2 Plossl type eyepieces which contain two cemented achromats, diopter scale and rubber eyeshield for each eyepiece. Focal length is 27mm. Easy interpupillary adjustment from 58 to 72mm. Contains two 1" rhomboidal prisms which displaces the image horizontally by 1". Five rotating filters - dark, amber, clear, blue and red. Shipped completely assembled. Used, in good condition. Height is 5", width 10", weight 7 lbs.

No. 2092 \$20.00 postpaid

GEAR TRAIN AND WEDGES



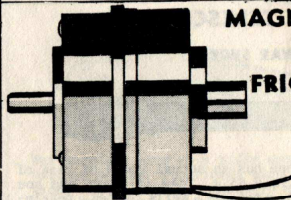
4 ACHROMATIC WEDGES  
Contains 4 achromatic wedges which provide deviation without breaking up light into its component color bands. Its two elements consist of flint and crown glass. Wedges are 64mm in diameter, wedge angle 23 minutes, approx. deviation 12 minutes. These wedges ordinarily sell for \$5.00 each. Easy to dismount.

GEAR TRAIN SYSTEM

Contains an abundance of gears made of bronze and brass worth well over \$150.00. Just look at this fabulous assortment: 1 - Helical gear system, 2 - Planetary (differential) gear systems, 13 - Pinion gears, 12 - Spur gears, half of a universal joint, bearing blocks, shafting, etc. Mounting is cast aluminum. Use as is or dismantled. These valuable parts may be adapted to various applications. Size is 8 1/2" long, 7 1/2" high and 5 1/2" wide. Weight about 10 1/2 lbs.

No. 16E2086 \$22.50 postpaid

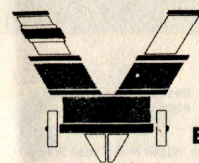
MAGNETIC CLUTCH WITH FRICTION BRAKE



Coil, 24 volts direct current, 120 ohms, 1/5 ampere. Torque, 160 ounce inches. Output shaft (stainless steel) 3/16" dia., 1/2" long. Input shaft (bronze) 3/8" dia., 3/8" long. Body (aluminum) 1-7/8" dia. (plus mounting ears), 1-5/8" long. Weight approx. 1 pound.

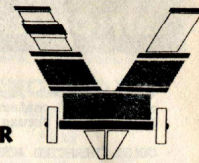
When power is on, input shaft drives output shaft. When power is off, input shaft is free and output shaft is restrained by brake. Unused recent military surplus.

No. 33D2668 \$7.95 postpaid



Stereo MICROSCOPES

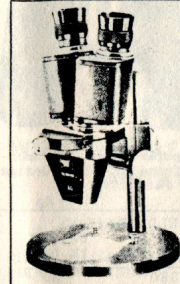
- WIDE FIELD - BINOCULAR TYPE LOW POWER



The Stereo Microscope can be used to a far greater advantage than the conventional type one-eye, one-objective microscope. With an ordinary microscope, the viewer cannot get a full depth of vision. However, with the "Stereo", both eyes of the observer are used, each viewing the object from a slightly different angle as in normal vision. Thus, the observer has a full 3 dimensional view. Useful for examining specimen in botany, zoology, dermatology,

metallurgy, etc. Each Stereo Microscope has erecting prisms for an upright image. Binocular Eyepieces are easily adjusted for interpupillary distance. Stage has removable stage glass with spring clips. Focusing adjustment by rack and pinion motion. Each Stereo is supplied with wood cabinet and is fully checked and collimated. High quality wide-field performance.

DELUX VARI-COMBO



STEREO MICROSCOPE

Supplied with 2 paired achromatic objectives of 2X and 4X permanently fixed, and 2 paired eye-pieces 5X and 10X.

No. DR1992 \$150.00 PPD.

OPTICAL COMBINATION:

OBJECTIVES	EYEPIECES WIDE FIELD PAIRED	TOTAL MAGNIFICATION	FIELD OF VIEW ABOUT	WORKING DISTANCE ABOUT
2X	5X	10X	11 mm	93 mm
4X	5X	20X	5 mm	47 mm
2X	10X	20X	10 mm	85 mm
4X	10X	40X	4.5 mm	45 mm

STEREOMASTER 1 STEREO MICROSCOPE

Furnished with single paired 2X Achromatic Objectives permanently fixed and 2 paired eyepieces 10X & 15X. \*Optional 5X Eyepiece, \$15.00 Extra. No. DR1993 \$135.00 PPD.

STEREOMASTER 2 STEREO MICROSCOPE

Furnished with single paired 4X Achromatic Objectives permanently fixed and 2 paired eyepieces 10X & 15X. \*Optional 5X Eyepiece, \$15.00 Extra. No. DR1994 \$140.00 PPD.

OPTICAL COMBINATION:

CAT. NO.	OBJECTIVES	EYEPIECES WIDE FIELD PAIRED	TOTAL MAGNIFICATION	FIELD OF VIEW ABOUT	WORKING DISTANCE ABOUT
DR1993	2X	5X*	10X	14.0 mm	80 mm
		10X	20X	11.5 mm	80 mm
		15X	30X	8.5 mm	80 mm
DR1994	4X	5X*	20X	7.0 mm	46 mm
		10X	40X	5.0 mm	46 mm
		15X	60X	3.8 mm	46 mm

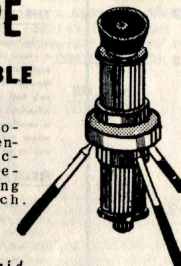
MICROSCOPE

POCKET PORTABLE

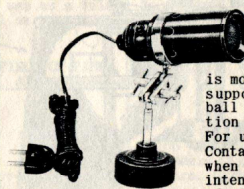
A geologist's pocket microscope. Variable powers engraved on tube for easy focusing. Tripods legs are removable for compact packing with a black Zipper Pouch.

20x-70x

No. DR2308 \$7.50 Postpaid



MICROSCOPE ILLUMINATOR



For best results, a microscope requires a good and steady source of light. Illuminator is mounted on a metal base and supported by a chrome plated ball joint to adjust the position of the light as desired. For use with AC current only. Contains a filter at front end, when removed, increases light intensity. To be used in front of mirror. Imported. Complete with bulb.

No. DR2278 \$5.00 Postpaid  
No. DR2503 Extra Bulb .75 Postpaid

DID YOU MOVE???

When we receive an order, we automatically place your name on our permanent mailing list. We are, therefore, requesting that you notify us when you change your address.

# BINOCULAR BULLETIN

MB

These post war Japanese binoculars are not to be confused with pre-war production. German technicians, machines and patterns have upped Japanese standards to the point where they are almost equal to the finest American and German glasses and at less than 1/3 the cost.

COLOR CORRECTED ACHROMATIC LENSES in these brand new prism type binoculars will give superb definition.

All binoculars are thoroughly checked and tested by us before leaving our plant. We endeavor to keep our prices as low as is consistent with supplying the high quality binoculars we know our customers will demand.

### IF YOU FIND IT HARD TO CHOOSE

For ideal viewing - for brilliant images, even under poor lighting conditions, you cannot do better than a pair of 7 X 50 binoculars. Either Individual or Center Focus.

If you want a very light weight glass for all around daytime use, a 7 X 35 would be a very good choice. For extra satisfaction, buy the B. & L. type with its sturdy one-piece frame.



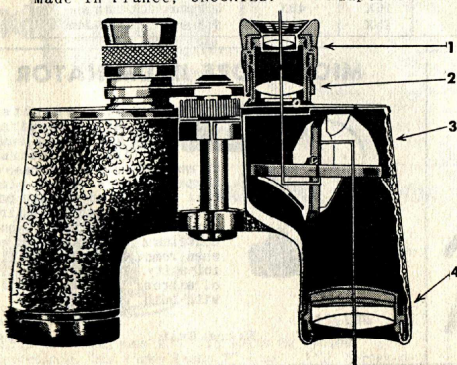
AMERICAN TYPE (above) sometimes referred to as B & L type.

ZEISS TYPE

We have illustrated two of the most popular types. The American Type offers a superior one-piece frame and clean design pleasing to the eye.

CAT. NO.	PRICE PPD.	STYLE	TYPE	RELATIVE BRIGHTNESS*	FIELD OF VIEW AT 1000 YDS.	WEIGHT IN OZS.
DR1149	\$14.75	6x15 Individual Focus	Miniature	9.4	360'	5.5
DR1962	29.75	6x25 C.F. "WIDE ANGLE" 12°	Miniature	26	604'	16
DR1435	19.75	6x30 Individual Focus	Zeiss	37.5	395'	17.6
DR1436	21.50	6x30 Center Focus	Zeiss	37.5	395'	19
DR1504	17.50	7x18 Individual Focus	Miniature	9.8	300'	6
DR1437	21.50	7x35 Individual Focus	Zeiss	37.5	341'	21.2
DR1438	22.50	7x35 Center Focus	Zeiss	37.5	341'	22.6
DR1771	24.75	7x35 Center Focus	American	37.5	420'	22
DR1439	32.00	7x35 C.F. "WIDE ANGLE" 11°	American	37.5	577'	30
DR2922**	47.50	7x35 C.F. "EXTRA WIDE ANGLE"	American	37.5	657'	30
DR1505	20.75	8x20 Center Focus	Miniature	9.4	260'	7.5
DR2303	42.50	7-12x40 C.F. "ZOOM"	American	18-49.5	279'	42
DR961	24.95	7x50 Individual Focus	Zeiss	75	379'	34.5
DR1106	26.95	7x50 Center Focus	Zeiss	75	375'	36
DR1503	29.75	7x50 Center Focus	American	75	372'	35
DR2191	43.75	7x50 C.F. "WIDE ANGLE" 11°	American	75	578'	36
DR919**	13.50	8x26 Center Focus	Zeiss	10	330'	16
DR920**	15.50	8x30 Center Focus	Zeiss	14	340'	17
DR1229	20.00	8x30 Individual Focus	Zeiss	21	393'	17.6
DR1443	21.00	8x30 Center Focus	Zeiss	21	393'	19
DR1108	27.50	10x50 Individual Focus	Zeiss	37.5	275'	27.5
DR1440	29.75	10x50 Center Focus	Zeiss	37.5	275'	29
DR1441	32.50	20x50 Individual Focus	Zeiss	9.4	183'	44.5
DR1442	33.50	20x50 Center Focus	Zeiss	9.4	183'	46.5
DR2317	47.50	20x60 Center Focus	Zeiss	13.5	184'	47
DR2522	59.75	20x70 Center Focus	Zeiss	18	158'	47

Remember that the above binoculars are COATED and a hard leather case and straps are included with no extra cost. \*Factor of 50% is added because the lenses are coated. \*\*Made in France, UNCOATED. \*\*\*Adapts to camera tripod.



1. Objective lens.
2. Field-lens.
3. Prisms are seated in accurately machined recesses; spring straps hold prisms securely in place and are resistant to knocks and blows.
4. Large objective lens.

### TECHNICAL TERMS EXPLAINED:

#### THE POWER OF A BINOCULAR:

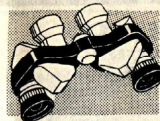
is the number of times the object is magnified; glasses with a power of 8x magnify the object 8 times. A more simple explanation is the number of times nearer the object appears through the glasses, i.e., an object 4 miles away appears only half a mile distant through an 8 power glass. The magnification (power) as well as the diameter of the objectives is usually engraved on binoculars. Thus the marking "8x30" means magnification 8x and objective lens diameter 30mm. and so on.

#### FIELD OF VIEW:

is the extent of the field seen through the glasses. It is expressed either in angular measure or in feet at a range of 1,000 feet. That is to say that a glass with a field of view of 150' will show you 150 feet of landscape at 1,000 feet - proportionately greater fields at longer ranges and less at shorter ranges.

Unfortunately the greater the magnification the less the field of view. This is an optical necessity. It follows therefore, that if you choose a glass with large magnification you must be prepared to accept a smaller field of view than you would obtain with a less powerful glass.

# BINOCULARS



### MINIATURE BINOCULARS COATED

Here is an ideal binocular for the lady's handbag. The prismatic design everyone is so eager to own. Lightweight models of high power and definition. Individual micrometric lenses are coated for maximum light transmission and anti-glare. Dust and moisture proof all metal all chrome finished. Similar construction to American binoculars selling for more than ten times our price. Complete with carrying case and coated optics.

CAT. NO.	PPD.	STYLE	A	B	C
DR1149	\$14.75	6x15 Ind. Focus	6%	360'	5.5
DR1504	17.50	7x18 Ind. Focus	6%	300'	6
DR1505	20.75	8x20 Center Focus	6%	260'	7.5

A-Relative Brightness B-Field of View at 1,000 yards C-Weight in ounces

### WIDE ANGLE MINIATURE BINOCULAR COATED



Finest quality wide angle binocular. This superb miniature has a field of 604' at 1,000 yds. (12°). Center focus. Each binocular receives extensive inspection of "in work" as well as complete binoculars at factory for mechanical and optical perfection. Comes complete with carrying case and straps. Excellent for all around use.

No. DR1962 6x25 \$29.75 postpaid



### VEST POCKET MONOCULAR TINY 10x

The vestpocket monocular is so small it fits within the palm of your hand. A coated achromatic monocular for individuals of varied interests: sports fans, target shooters, hunters & bird lovers. Zipper pouch to carry.

No. DR2907 \$12.50 postpaid

### PRISM MONOCULARS



Brand new prism monoculars. Equal to 1/2 of a binocular and of the same high quality. They are lightweight and come complete with plush lined pigskin case and carrying straps, plus a special adapter to accommodate a standard tripod. In addition you receive directions for use as a telephoto lens with your camera. Many observers find them ideal as rich-field sky sweepers or as telescope finders. COATED OPTICS.

CAT. NO.	PRICE POSTPAID	SIZE	RELATIVE BRIGHTNESS	FIELD OF VIEW FT. AT 1,000 YDS.
DR1576*	\$13.50	6x30	25	393
DR1578*	14.75	7x35	25	367
DR1303*	16.50	7x50	50	367
DR1579	20.00	16x50	10	183
DR1580	21.00	20x50	6%	183

For Special Purpose Monoculars. see page 15.

\*TELEPHOTO ADAPTER. Convert your monocular to a telephoto lens. (For best results use with No. DR1303, due to its greater size of exit pupil.) Simply remove plastic eyecup and screw on adapter. Accepts series V adapter. No. 15D2865 \$1.50 Postpaid

Same as above, however accepts series VI adapter. No. 15D2886 \$1.95 Postpaid



### WIDE ANGLE BINOCULAR COATED 7X35

Never in your life have you ever seen such a fantastically wide angle binocular. Think of it! With this brilliant 7 x 35 model you'll see 577' or 110 of field. Lightweight, this binocular has achromatic corrected lenses which will give you sharp images right up to the edge. See more, much more with this wide angle binocular. Central focusing adjustment. Black crackle finish. Complete with pigskin leather case, shoulder and neck straps. Made in Japan. No. DR1439 \$32.00 Postpaid

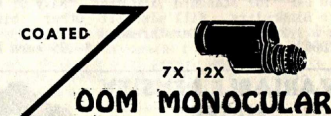
### NECK STRAPS

Black leather with metal buttons. 39" in length. Attach to binocular with buttons and hold it suspended from around neck. No. 16C1648 \$ .40 Postpaid

### BINOCULAR CLAMP

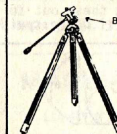


Will hold any size make of binocular rigidly on tripod. Has a standard camera threaded hole (1/4x20). Especially adapted for holding high power glasses. Used for target spotting or distant spots. Comes in black crackle finish. No. DR1959 \$2.95 Postpaid



A new idea in monoculars and viewing enjoyment. Fingertip control; gives you six powers from seven to twelve, by use of the adjustable eyecup. Achromatic objective 40mm diameter. Complete with leather carrying case, and adapter to accommodate a standard tripod. No. DR2479 \$25.00 Postpaid

### CAMERA TRIPOD



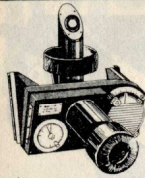
BUILT IN PANHEAD

Here is a camera tripod that can be used for binoculars, small telescopes and cameras. It has a built in panhead which locks in position with a slight twist of the handle. Pans 360°, and tilts from straight down to almost straight up. Overall length with legs closed, 10 1/2"; with legs extended, 44". Weight, approximately 1 1/4 pounds. Zipper pouch included. No. DR2480 \$6.50 Postpaid

Same tripod and pouch as above except for the addition of a crank actuated elevator which permits the tripod head to be raised any amount up to 6". Weight approximately 1 1/2 pounds. No. DR2895 \$9.75 Postpaid

## We are PROUD

of our vast experience and specialization in optics which assures our many customers of getting the finest in binoculars. High quality merchandise and service ranks us with the best in the field. For example: We check each binocular for collimation before shipping. A binocular consists of two optical systems, and if not aligned with minute exactness you will get a double image. We unconditionally guarantee each binocular or your money will be refunded.



ARMY AIRFORCE

DRIFT METER

May be dismantled to obtain the following parts:

Two Mounted Achromats 1-3/8" Dia. X 3-3/8" EFL.  
Two Mounted Field Lens 2" Dia. X 3-3/8" EFL.

This mounted field lens consists of two elements; a double convex lens 2" Dia. X 7" EFL and a Plano convex lens 2" Dia. X 6 3/4" EFL. This lens has etched lines on the Plano side.

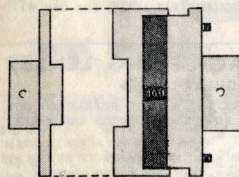
One First Surface Mirror 1 3/4" X 2-15/16" X 1/8" thick.

Elliptical Second Surface Mirror 1 1/2" X 2-3/16" thick.

One Ground Glass 4" Dia. X 1/16" thick.

Computer converts knots to miles per hour. Pantograph holds pencil, has 4 1/2" to 1" ratio.

No. 1306 \$12.50 Postpaid



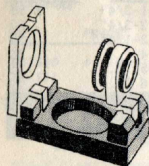
OLDHAM COUPLING

PIN TYPE

Excellent for joining shafts at "hard to reach" spots. Allows for misalignment up to one degree. Made of stainless steel with aluminum flanges. Outside diameter 7/8", diameter of holes for shafts 7/32", overall length 15/16".

Recovered from instruments; appear to be new. If purchased new, costs more than \$12.00  
No. 33D2667 \$2.00 Postpaid

12X ENGRAVERS LOUP.



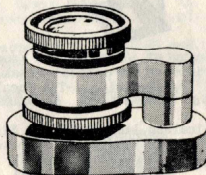
12X FOLD UP LOUPE

Excellent performing quality coated achromatic lens system. 12X. Plastic and metal construction. Folds up like a linen tester.

No. DR2108 \$6.75 Ppd.

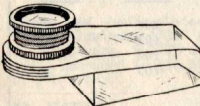
12X SWIVEL MOUNT LOUPE

Excellent performing quality coated achromatic lens system. 12X. Metal construction with swivel mount and aluminum lock washer. Complete with pigskin carrying case.  
No. DR2110 \$9.50 Ppd.



12X HI-QUALITY LOUPE

Excellent performing Hi-Quality coated achromatic lens system (4 elements). 12X. Clear lucite frame 87mm long and 26mm high. Aluminum lock washer and pigskin carrying case.  
No. DR2109 \$11.50 Ppd.



THERMOMETERS



A nice gift---  
Pleasing to look at and useful.

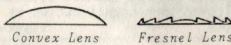
Gleaming copper, anodized aluminum construction. Ranges from 10° below zero to 150° above. Approximately 4 1/2" high. Made in France.

WALL MODEL.....(illustrated).....DR2888...\$2.00 ppd.  
For indoor or outdoor use.

DESK MODEL.....DR2889...\$2.00 ppd.  
Can be hung on a wall as well as used on a desk.

PLASTIC FRESNEL LENSES

UNSYMMETRICAL

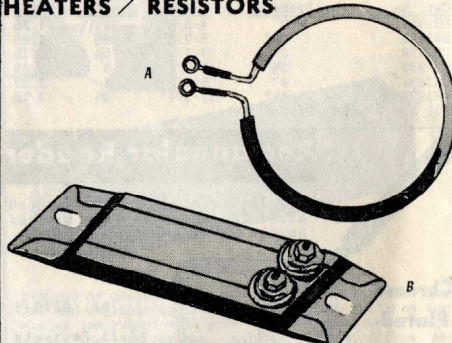


A series of small concentric stepped zones are molded in a thin piece of plastic, thus enabling greater light transmission than a convex lens of the same focal length. Compared to a convex lens made of glass and having equivalent optical properties, the fresnel lens is lighter, thinner, cheaper and not brittle; however, it does not give as clear an image.

CAT. NO.	PRICE PPD.	SIZE	APPROX. THICK.	FOCAL LENGTH
14B2705	\$ 6.00	10 1/2" sq.	1/16"	8 1/2"
14B2907	6.00	10 1/2" sq.	1/16"	13 1/2"
14B2908*	10.00	12" sq.	1/8"	11"

\*This is composed of two pieces cemented together, one side F.L. 8 1/2", other side 13 1/2".

HEATERS / RESISTORS



These Cromalox heaters are excellent when a sealed safe source of heat is needed. Low wattage permits use in maintaining above freezing temperatures. In pump housings during the cold weather. Also can be used as a resistor. War surplus, used and unused; all in good condition.

A. RING TYPE HEATER. 28 Volts, 50 watts, 1 1/4 amperes, 15 ohms. Measurements: 4 3/4" O.D., 4-1/16" I.D., 3/8" high. 5/32" diameter hole in wire terminals, wire leads 1" long. HINT!!! Wire four heaters in series for use on 110 volts.  
No. 18D2725 \$2.00 Postpaid

B. HEATER. 46 Volts, 60 watts, 35 ohms, 1.3 amperes. Measurements: body 3 1/2" long by 1 1/2" wide by 3/8" high. Mounting ears protrude 7/8", making overall length 5 1/2". Two screw terminals. No. 10-32 threads. Screw terminals protrude 1/2", making overall height 7/8".  
No. 18D2723 \$2.00 Postpaid

New!

ZOOM...SELECT YOUR POWER BY A MERE TWIST OF YOUR FINGERS!

ZOOM MICROSCOPES

50X - 900X ZOOM MICROSCOPE

Features: All metal construction. Zoom eyepiece 10x - 20x. Revolving quadruple nosepiece with 5x, 12x, 20x and 45x achromatic objectives. Built in illuminator (operates on standard pen size batteries or adapts to a.c. electric current).

In addition, you receive a 6 piece dissecting kit; plus one bottle of Canadian Balsam, one bottle of basic fuchsin, two spare bottles, 5 unprepared slides, 1 prepared slide and cover glasses. Stage 2-5/8" x 2-5/8". Height 9 1/2", shipping weight approx. 7 pounds. Microscope and accessories are contained in wooden carrying case lined with styrafoam.

No. DR2867 Illustrated \$19.95 ppd.

50X - 1200X ZOOM MICROSCOPE

Similar to above; however, magnification ranges from 50x - 1200x. Rack and pinion motion coarse and fine adjustment. Optical components are: TRIPLE ZOOM EYEPIECE 10x-15x-20x; four achromatic objectives 5x, 20x, 30x and 60x.

No. DR2875 \$29.95 postpaid

PREPARED SLIDES

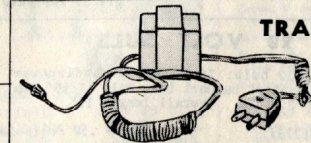


These slides are perfect specimens expertly prepared and permanently preserved under glass. Supplied in boxes containing 12 slides each. 3" x 1".

CAT. NO.	TYPE	PRICE PPD.
DR1586	Organs of Insects	\$ 2.00
DR1587	Animal Parts	2.50
DR1569	Pollen & Spores	3.00
DR2331	Micro-Organisms	2.50
DR2332	Textile	2.00
DR2333	Mould and Yeast	2.75
DR2334	Plant	2.00
DR2750*	Unprepared Slides	2.50

\* DR2750 is an outfit for preparing your own microscope slides. A value to anyone. It consists of a wooden box containing 25 plain unprepared slides, 25 cover glasses and balsam.

TRANSFORMER



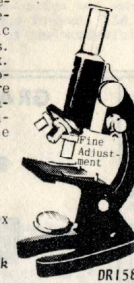
Convert your battery powered illuminator to electricity. Simply insert jack into base of microscope and insert plug into household current. Uses 110 volt a.c. house current; delivers 3 volts. Use for small motors and optical instruments which are ordinarily powered by flashlight batteries.

No. 15D2862 \$2.50 postpaid

STUDENT MICROSCOPES

50X - 900X STANDARD MICROSCOPE

A high dry system Microscope of precision quality with triple turret revolving nose-piece - three achromatic objectives, two Huygenian eyepieces. Range of magnification 50x - 900x. Fixed tube 160mm. Rack and pinion motion coarse adjustment. Fixed square stage (3 1/2" x 3 1/2") and rotating diaphragm with 5 holes. Plane and concave mirror. Height is 10 1/2". Complete with wooden carrying cabinet.



STANDARD SIZE EYEPIECES AND OBJECTIVES

3 Achromatic Objectives: 5x, 10x, 60x  
2 Huygenian Eyepieces: 10x & 15x

No. DR1584 \$47.50 F.O.B. Lynbrook

25X - 900X STANDARD MICROSCOPE

This microscope is basically the same as No. DR1584; the major difference is this microscope contains one extra eyepiece. Three Huygenian eyepieces -- range of magnification 25x - 900x. Fixed tube 160mm rack and pinion motion coarse and fine adjustment on both sides (needed only in special cases). Fixed square stage (4 1/2" x 4 1/2") with condenser lens and rotating diaphragm. Height is 11 1/2". Complete with wooden carrying cabinet.

STANDARD SIZE EYEPIECES AND OBJECTIVES

3 Achromatic Objectives: 5x, 10x & 60x  
3 Huygenian Eyepieces: 5x, 10x & 15x

No. DR1585 Illustrated \$69.75 F.O.B. Lynbrook

1200X MICROSCOPES

40X - 1200X MICROSCOPE

Exceptionally bright focus is attributed to the powerful magnifications. Powers range from 40-1200. The plano mirror and 3-volt lamp (operates on pen size batteries or adapts to house current) permits brilliant illumination. Optical components are: Objectives - 5x, 12x, 40x, 60x; Eyepieces - 8x wide field, 15x and 20x.



To add to further viewing pleasure you receive a 6-piece dissecting kit, a color contrast kit. Canadian balsam; plus red and blue stains. Height 9 1/2"; stage 3" x 3 1/2". Comes complete with a styrafoam fitted hardwood carrying cabinet. Shipping wt. 6 lbs.

No. DR2615 \$29.95 postpaid

50X - 1200X MICROSCOPE

Same as above; however, it is equipped with two eyepieces: 10x and 20x (instead of three eyepieces) permitting eight different combinations from 50x to 1200x.

No. DR2876 \$27.95 postpaid

BOOK

HUNTING WITH THE MICROSCOPE

Explains in simple terms how to select and use the microscope. 125 pages.

No. 6E1589 \$1.00 postpaid





Just In!

Late Additions of Optical Bargains



FABULOUS NEWS!

FOR AMATEURS AND PROFESSIONALS ALIKE

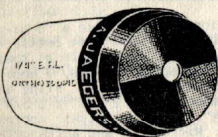
You're really missing something of great importance if you have not seen the latest Fawcett Book, "AMATEUR ASTRONOMY HANDBOOK". An excellent how-to-do-it book crammed full of valuable information and instructions. Featured are many interesting instruments built from our vast stock-optics and parts. We strongly recommend "AMATEUR ASTRONOMY HANDBOOK", a Fawcett How-To-Book, 75¢. Now on sale at your local magazine stand. We have taken just a few of the wonderful projects and listed them below.

NOTE: The telescopes listed below are sold as parts only; you must put the parts together to make it complete. We do not sell these telescopes pre-assembled.

Here at Last!

6mm ORTHOSCOPIC EYEPIECE

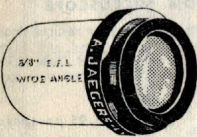
COATED STANDARD 1/4" MOUNT



Widely preferred for high-powered telescopes in which an eyepiece of a very short focal length is required. Excels all others for its freedom from distortion. Offers a flat, sharp, wide field, color-corrected, excellent definition. All coated optics. Mounted in black anodized aluminum with chrome-plated tube. Finest quality eyepiece.

No. 3C2192 UNCOATED \$13.25 Postpaid  
No. 3C2302 COATED \$14.00 Postpaid

16mm WIDE-ANGLE ERFLE EYEPIECE



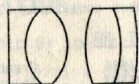
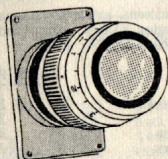
This is It!

A breathtaking extra wide-angle eyepiece that truly offers comfortable crystal-clear astronomical viewing. Has a 70 degree apparent field of view. 16mm (5/8") f.l., coated five element achromatic Erfle Eyepiece. Standard 1-1/4" mount. GREAT BARGAIN!

COATED  
No. 3C1251 UNCOATED \$12.50 Ppd.  
No. 3C1252 COATED \$13.25 Ppd.

MOUNTED FOCUSING EYEPIECE

COATED



WAR SURPLUS

This mounted focusing eyepiece is of the Plossl type with a 38mm focal length. Contains two coated achromats 30mm in diameter. Designed for flatness of field and sharpness right up to edge of field. Focusing with knurled ring and diopter scale. Eyepiece is mounted on metal plate 2" x 3" with 4 holes for screws. You'll find this plate convenient and adaptable for mounting.

No. 21C2120 \$14.50 Postpaid

28 VOLT BULB

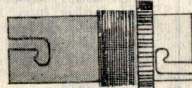


Mazda #303 bulb; 28 volts, 6 candlepower. Single contact, bayonet base. Bulb 11/16" dia., base 19/32" dia., overall length 1 1/4".

No. 18E2731 2 for \$ .50 Postpaid

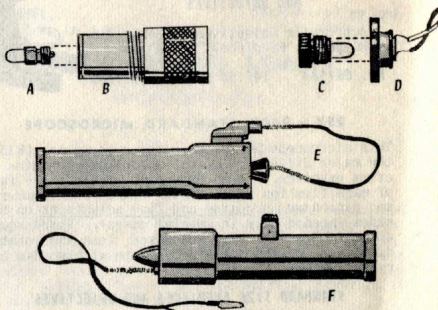
LAMP SOCKET

Use for above (No. 18E2731), or with any other single contact bayonet base type bulb. Overall length 1-13/16". Inside diameter 5/8". Thread 13/16-32. Connector: single contact bayonet. No. 15D2849 \$ .50 Ppd.



GRAIN OF WHEAT BULBS

& BATTERY HOLDERS



A. GRAIN OF WHEAT BULB  
3 volts. Bulb 5/32" diameter, overall length 1/2". Screw base, 3/16" diameter threads. Use with battery holder No. 17E2688.  
No. 18A2732 \$ .60 Postpaid

B. LAMP SOCKET  
Use with grain of wheat bulb No. 18A2732. Overall length 1-5/16"; outside diameter 5/8". Thread 9/16-18. Connector: coaxial.  
No. 15D2848 \$ .50 Postpaid

C. GRAIN OF WHEAT BULB  
3 volts, 5/16" diameter threads which screw into front panel socket No. 17A2734. Bulb 5/32" diameter, overall length 17/32".  
No. 17A2733 6 for \$1.50 Postpaid

D. LAMP SOCKET  
For front panel mounting of grain of wheat bulb. Use with bulb No. 17A2733. Three #1-72 tapped holes for mounting to panel. Two wire leads, 3" long. Flange 5/8" diameter, overall length 1/4".  
No. 17A2734 \$1.00 Postpaid

E. BATTERY HOLDER  
War Surplus. Used by the Army to illuminate reticles on optical instruments. Holds two "D" size batteries (not included). Operates a grain of wheat bulb, No. 18A2732 (included). There is 9" of wire between the battery case and bulb. Has a rheostat for controlling brightness. Brass case painted olive drab, 1-3/4" diameter by 6-3/4" long.  
No. 17E2688 \$2.50 Postpaid

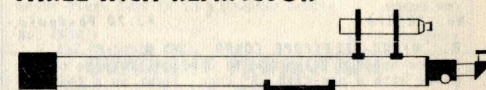
F. BATTERY HOLDER  
Holds two "D" size batteries (not included). Battery case is brass, painted olive drab, 1-3/4" diameter by 6-3/4" long. Built-in rheostat and on-off switch. Wire lead, 18" long; alligator clips attached to end of leads (as illustrated above). Use for 3 volt equipment such as motors or lamps, especially for applications where a rheostat is required. War Surplus.  
No. 16E2726 \$2.50 Postpaid

G. BATTERY HOLDER  
Same as above (No. 16E2726), except without alligator clips.  
No. 16E2689 \$1.50 Postpaid

THREE-INCH REFRACTOR - \$63

Coated Achromatic Objective  
48" F.L. (83 mm clear aperture; mounted in cell) \$36.00  
Coated Kellner Eyepiece 1 1/16" F.L. (extra eyepieces for higher and lower power and star diagonal optional) 6.75  
Rack and Pinion for 3.281" Aluminum Tubing 12.95  
48" Tubing 3.281" dia. 6.75  
(A variety of tripods and mounts are available)  
(Above prices are quoted by A. Jaegers, 691 Merrick Road, Lynbrook, New York)

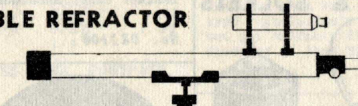
THREE INCH REFRACTOR



A fine low cost telescope capable of high resolution and superb light gathering power. Excellent for lunar and planetary viewing.

Coated Achromatic Objective - 48" f. l. No. 2E1471 \$36.00 ppd.  
Coated Kellner Eyepiece - 1-1/16" f. l. No. 2C1834 6.75 ppd.  
Rack & Pinion Eyepiece Mount..... No. 36D1495 12.95 ppd.  
48" Aluminum Tubing (3.281" I.D.)..... No. 1162 6.75 \*  
R.A. Prism Star Diagonal (optional).... No. 42A2096 12.00 ppd.  
Equatorial Mount and Tripod (optional) No. 2083 27.50 \*  
\* F.O.B. Lynbrook, N.Y.

PORTABLE REFRACTOR



Best bargain yet. Designed specifically for genuine portability and astronomical observation quality. Lightweight, easy to carry when traveling. Low price even includes the wide-field finder scope.

Coated Achromatic Objective - 30" f. l. No. 2B1431 \$12.50 ppd.  
Lens Cell for above Objective..... No. 35D1477 4.50 ppd.  
Coated Kellner Eyepiece - 22mm f. l. No. 2C1212 6.75 ppd.  
Rack & Pinion Eyepiece Mount..... No. 36D1494 12.95 ppd.  
27" Aluminum Tubing (2.125" I.D.)..... No. 2797 3.60 \*  
7X Wide-Field Finder..... No. 18E2193 12.75 ppd.  
Pair of Ring Mounts for Finder..... No. 35D1963 3.95 ppd.  
Tripod (optional - see page 3)..... No. 1954 8.95 ppd.  
\* F.O.B. Lynbrook, N.Y.

PORTABLE REFRACTOR - \$57

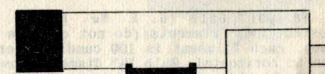
Coated 54 mm Achromatic Objective 30" F.L. \$12.50  
Lens Cell For Above 4.50  
Coated 22 mm F.L. Kellner Eyepiece 6.75  
Rack and Pinion Eyepiece Focusing Unit to fit 2 1/4" I.d. Tubing 12.95  
27" Aluminum Tubing 2 1/4" I.d. 3.60  
Aluminum Black Anodized 7-power Wide-Field Finder with Achromatic Objective 12.75  
Pair of Ring Mounts for Finder 3.95  
(An optional altazimuth tripod head is available at \$8.95)

(Above prices are quoted by A. Jaegers, 691 Merrick Road, Lynbrook, New York)

PRISM TELESCOPE - \$6

Coated 80 mm Achromatic Objective 19.5" F.L. \$28.00  
Cell For Objective 7.50  
Coated Symmetrical Eyepiece 3/4" F.L. 6.75  
Coated Prism Erecting System 2.50  
24" Aluminum Tubing 3.281" I.d. 4.75  
(A variety of tripods are available)  
(Above prices are quoted by A. Jaegers, 691 Merrick Road, Lynbrook, New York)

PRISM TELESCOPE



An economical all-purpose prismatic telescope that can perform a variety of functions. Upright image for terrestrial use, bird-watching, target spotting and long-distance photography.

Coated Achromatic Objective 19.5" f. l. No. 9E1158 \$28.00 ppd.  
Lens Cell for above Objective..... No. 36A2290 7.50 ppd.  
Coated Symmetrical Eyepiece 3/4" f. l. No. 2C1210 6.75 ppd.  
Coated Prism Erecting System..... No. 42B1774 2.50 ppd.  
24" Aluminum Tubing (3.281" I.D.)..... No. 1160 4.75 ppd.

5" RICHEST FIELD TELESCOPE



Finest "Richest Field Telescope" ever offered. The combination of optical elements in this instrument are unsurpassed. Contrast of tones, textures and color are exceptional.

Coated Achromatic Objective 24-3/4" f.l. No. 3E1475 \$85.00 ppd.  
Lens Cell for above Objective..... No. 34C1761 22.50 ppd.  
Coated Wide-Angle Erfle Eyepiece 1 1/4" f.l. No. 1E1405 22.50 ppd.  
Eyepiece Tube Adaptor (for above)..... No. 34C2291 7.50 ppd.  
Rack & Pinion Eyepiece Mount..... No. 36D1495 12.95 ppd.  
Adaptor Plate for B & P or Tube Adaptor No. 36B2274 10.50 ppd.  
2" Aluminum Tubing (5.000" O.D.)..... No. 2362 6.00 ppd.  
Heavy duty equatorial mount on metal pedestal 60" high (optional). See page 1... No. 2474 49.50 \*  
Instruction Booklet..... No. 2754 .25 ppd.  
\* F.O.B. Lynbrook, N.Y.

RICHEST FIELD TELESCOPE - \$167

Coated 5" Achromatic Objective 24 3/4" F.L. \$85.00  
Cell (for above lens) 22.50  
Coated 1 1/2" F.L. Wide Angle Erfle Eyepiece 22.50  
Eyepiece Tube Adaptor (for above) 7.50  
Rack and Pinion Eyepiece Mount (Optional but required for standard 1 1/4" dia. eyepieces) 12.95  
Adaptor Plate for Rack and Pinion 10.50  
Aluminum Tubing 2 ft. long, 3" o.d. 6.00  
(Above prices are quoted by A. Jaegers, 691 Merrick Road, Lynbrook, New York)



