

MB



No. 218—2.5X-25 mm, black lacquered body, gold trimming, objective barrel covered with Mother of Pearl. Interpupillary adjustment, coated lenses, achromatic. Height 1 3/4", weight 6 1/2 oz. Zipper carrying case with wrist strap. **Suggested List \$18.50 ea.**

No. 228—Opera Glass 2.5X. Highly polished chromium plated body, barrels covered with Mother of Pearl. Coated optics, achromatic, objective lens. 23 mm. Height closed 1 3/4", weight 6 oz. Brocade case. **Suggested List \$12.95 ea.**

No. 231—2.5X Opera Glass, highly polished, gold plated body, barrels covered with Mother of Pearl. Achromatic. Supplied with Mother of Pearl handle, which can be extended to a total length of 7 1/2". Objective lens: 23 mm, height 1 3/4", weight 7 3/4 oz. Furnished with gold colored case. **Suggested List \$19.95 ea.**

No. 224—3X-25 mm, black lacquered body, gold trimming, objective barrel covered with Mother of Pearl inlaid flowery design. Interpupillary adjustment, coated lenses, achromatic. Height 1 3/4", weight 6 oz. Supplied in velvet jewelry box. **Suggested List \$29.95 ea.**

No. 220—Opera Glass, 3X, objective lens 25 mm, interpupillary eye adjustment, Mother of Pearl covered body with highly polished gold-plated trimming. Coated optics. Height 2", weight 5 oz. In gold meshed case. **Suggested List \$19.95 ea.**



COMPASS INSTRUMENT & OPTICAL CO., INC. • NEW YORK N. Y. 10010.

Binolux®



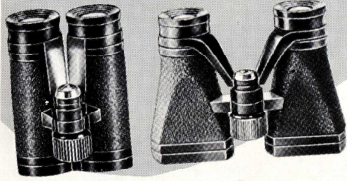
OPERA & SPORT GLASSES



COMPASS INSTRUMENT & OPTICAL CO. INC.
104 EAST 25th STREET • NEW YORK, N. Y. 10010

Binolux

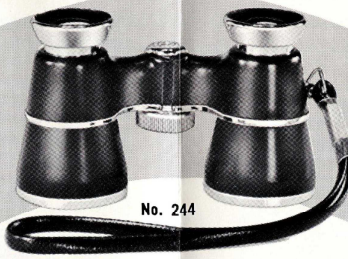
**OPERA &
SPORT
GLASSES**



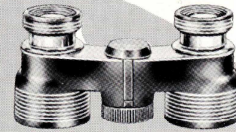
No. 159



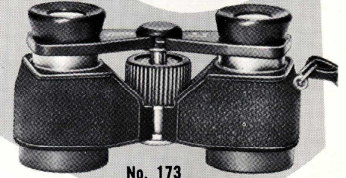
No. 176



No. 244



No. 238/240



No. 173

No. 159—Compact Sport Glass, achromatic, 3.5X magnification, can be folded to pocket size. Oblong objective lens 35x18 mm, coated optics, interpupillary adjustment. Height 3¼", weight 7½ oz. In black pigskin carrying case. **Suggested List \$17.95 ea.**

No. 176—TOHO, compact, vest pocket size opera glass 2.5X, 23 mm objective lens. Metal parts finished in chrome, vulcanized rubber covering, dainty metal mount. Supplied with genuine leather carrying case. Height 1¾", weight 3 oz. **Suggested List \$5.25 ea.**

No. 244—4x30 mm Sport Glass, achromatic, smooth black lacquered body, chromium trimmed, interpupillary adjustment, coated, hand lanyard for added comfort. Height 2½", weight 8½ oz. Zipper carrying case. **Suggested List \$21.95 ea.**

No. 238/240—Opera and Sport Glass, 2.5X, of superior performance. High grade optical system, hinged bridge for interpupillary adjustment. Objective lens 27 mm, large field of view, brilliant image. Height 1¾", weight 5 oz. Supplied with attractive zipper leather case, in matching color.

No. 238—Black with Mother of Pearl trimming. **Suggested List \$15.50 ea.**

No. 240—Black - maroon - blue - assorted. **Suggested List \$14.50 ea.**

No. 173—A very handy compact opera glass with wrist strap, grey color covered square shaped body, bridge, objective and eyecaps also in grey color. Objective lens 26 mm. 3X magnification, coated, interpupillary adjustment, height 1¾", weight 6½ oz. Carrying case with wrist strap. **Suggested List \$17.50 ea.**

No. 185—BUTTERFLY. A compact 2.5X very popular Folding Opera and Sport Glass 2.5X magnification, cigarette-case size, snaps open automatically, fits in your purse or pocket. Made in Japan. Available in assorted colors, leather covered body and nickel plated trimming. Coated lenses. **Suggested List \$1.95**

No. 242—3X-28 mm. Black lacquered body, gold trimming, objective barrel with Mother of Pearl. Interpupillary adjustment, coated lenses, achromatic. Height 2", weight 6½ oz. Zipper carrying case. **Suggested List \$17.95 ea.**

No. 222—Opera Glass, 3x25 mm, coated, achromatic, metal body, chromium plated tubing. Body covered with chicken legs skin, assorted colors. Weighs only 3 oz. Complete with leather carrying case. **Suggested List \$6.95 ea.**

No. 291—Spot Glass, 3-Power. An admirable unique creation of top quality; oblong shape, precision, achromatic coated optic. Size of objective lens 37x19 mm. Outstanding optical performance, with great gathering power, given clear and sharp definition. Black leather covered body with brass chromium plated trimmings. Height 2¾", weight 5 oz. **Suggested List \$14.50 ea.**

No. 216—3X Opera and Sport Glass, coated, achromatic optic, interpupillary adjustment, built-in focusing device, black leather covered body, objective lens 26 mm. Height 2¾", weight 7 oz. Complete in black pigskin leather case. **Suggested List \$19.95 ea.**



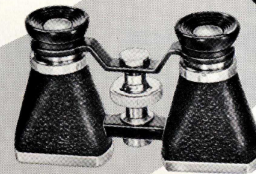
No. 185



No. 242



No. 222



No. 291



No. 216

**OPERA &
SPORT
GLASSES**



Binolux

TELEPHONE
GRAMERCY 3-2614
AREA CODE 212

COMPASS INSTRUMENT & OPTICAL CO. INC.

104 EAST 25th STREET

NEW YORK, N. Y. 10010

Distributors Price List

for

Opera & Sport Glasses
Made in Japan

Number	Discription	Price - each
159	Compact Sport Glass 3.5x, 35x18 mm	\$ 9.00
176	Vest pocket size 2,5x, 23 mm	\$ 2.75
244	Sport Glass 4 x 30 mm	\$ 10.95
238	Opera Glass 2,5x, 27 mm	\$ 7.75
240	Opera Glass 2,5x, 27 mm assorted colors	\$ 7.20
173	Opera Glass 3x, 26 mm	\$ 9.00
185	Folding Opera Glass 2,5x	\$.75
242	Opera Glass 3x, 28 mm	\$ 8.95
222	Opera Glass 3x, 25 mm	\$ 4.25
291	Flat Sport Glass 3x. 37x19 mm	\$ 7.20
216	Opera Glass 3x, 26 mm	\$ 9.95
218	Opera Glass 2,5x, 25 mm	\$ 9.25
228	Opera Glass 2,5x, 23 mm, Mother of Pearl	\$ 6.95
231	Opera Glass 2,5x, 23 mm w/handle and Mother of Pearl	\$ 11.50
224	Opera Glass 3x, 25 mm, Mother of Pearl and inlaid design	\$ 14.95
220	Opera Glass 3x, 25 mm, Mother of Pearl	\$ 10.95

Prices subject to change without notice

F.O.B. New York

TERMS : Net 30 Days

Minimum Order : \$25.00

MB

Date.....

Gentlemen:
Please Ship:

CAT. #	QUANTITY	ITEM	PRICE

NAME _____
ADDRESS _____
CITY _____ ZONE _____ STATE _____

TERMS: NET 30 DAYS F.O.B. NEW YORK, N. Y.
MINIMUM ORDER \$25.00

CUT ALONG DOTTED LINE

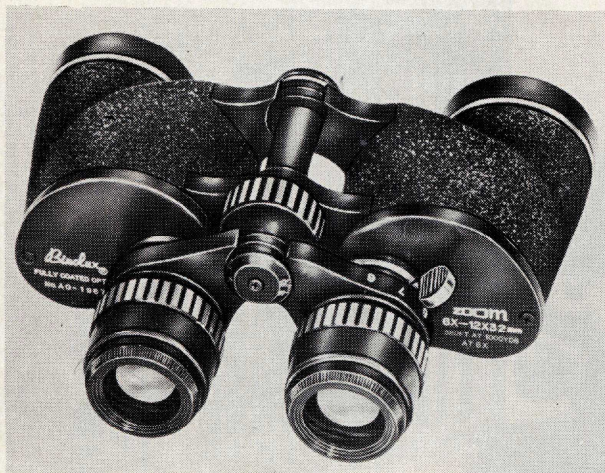
Date.....

Gentlemen:
Please Ship:

CAT. #	QUANTITY	ITEM	PRICE

NAME _____
ADDRESS _____
CITY _____ ZONE _____ STATE _____

TERMS: NET 30 DAYS F.O.B. NEW YORK, N. Y.
MINIMUM ORDER \$25.00



No. 5697—ZOOM BINOCULAR

6X - 12X, 32 mm

MADE IN JAPAN

American type, fully special hard coating, zooms from 6X magnification up to 12X by means of lever action, objective lens 32 m/m. Diamond cut knurled eyepieces and centerwheel. Large field of view 320 ft. at 1000 yds. at 6X and 210 ft. at 12X. Camera tripod adapter on center shaft. Retractable eyecups. Lightweight only 24 ozs. V-shape black pigskin case.

Suggested List \$65.95

No. 4128

10X35 WIDE ANGLE BINOCULAR

MADE IN JAPAN

Compact size combines high power with a big field of view; 367 ft. at 1000 yards distance. Fully coated optics. Chromium trimmed eyepieces and center focus adjustment. In hard black carrying case. Weight 22 ozs.

Suggested List \$32.50



No. 4157—30X70 BINOCULAR

MADE IN JAPAN

Whenever a distant object has to be observed this 30X power binocular should be your choice.

It will be found excellent for aircraft spotting, astronomy, exploring at extreme range.

The extremely large objective lenses of 70 mm gives great light transmission.

Chromium trimmed eyepieces and centerwheel.

Fully coated optics.

Field of view 105 feet at 1000 yards distance.

Weight 3 lbs. 6 ozs.

In hard black carrying case.

Suggested List \$95.00



NEW ITEMS from *Compass*

MB



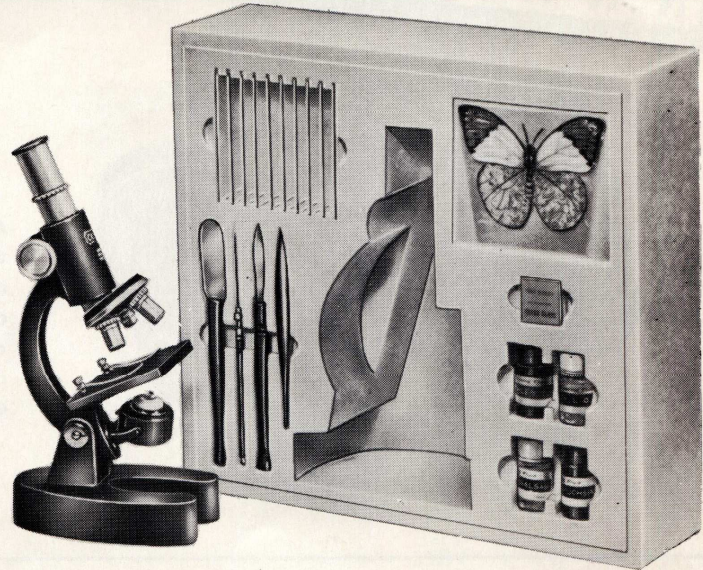
No. 4374

ZOOM TELESCOPE

De Luxe Zoom Telescope, 8X — 25X magnification, diameter of objective lens 30 mm, fully coated optics of superior quality. Sharp and brilliant viewing. Of extremely sturdy construction. Complete with tripod and carrying case. **MADE IN JAPAN**

236 FT. AT 1,000 YDS. AT 8X to
74 FT. AT 1,000 YDS. AT 25X

Suggested List \$21.95



No. 6126—750X MICROSCOPE KIT

MADE IN JAPAN

Triple turret nosepiece. 3 objectives, giving magnification, of 150X, 450X, 750X, substage illumination by plano mirror and lamp.

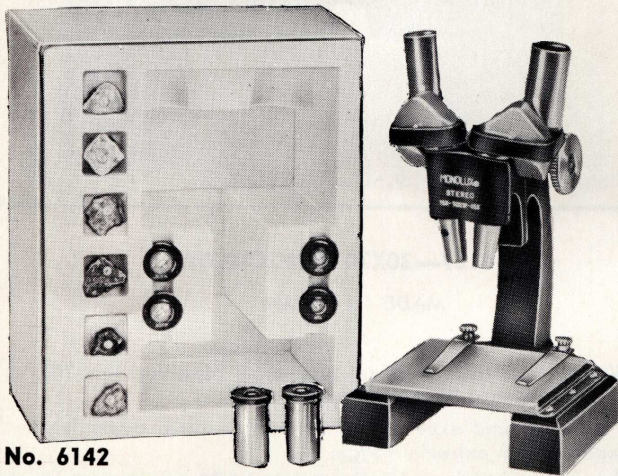
One bottle each mounting fluid — "Canada Balsam" Basic Fuchsin, Xylo, Methylene Blue.

One Butterfly. 10 unprepared slides with cover glasses. Dissecting kit contains:

One each—Tweezer, Needle, Spatula, Scalpel.

Complete in styrofoam fitted carton with clear plastic covering.

Suggested List \$13.95



No. 6142

STEREOSCOPIC BINOCULAR MICROSCOPE

MADE IN JAPAN

This microscope is an instrument, well suited for examination of minerals. Supplied with 3 sets of paired oculars, giving a magnification range of

15X, 30X WIDE FIELD and 45X

These eyepieces are adjustable to any interpupillary distance. Rack and pinion coarse focusing. Ground glass stage with spring clips, to hold slides and other flat objects. This kit contains the following 6 minerals: QUARTZ, FELDSPAR, MICA, CHALCOPYRITE, MEGNETITE, BAUXITE.

Complete, packaged in fitted styrofoam. Attractive gift box. **Suggested List \$33.95**

No. PRI

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Extra with with vidin tion.

Sight liquid Rotate ment leathe

Order Card

CATALOG No.	QUANTITY	ITEM	PRICE
5697	Zoom Binocular 6x-12x, 32 mm	\$32.95 each
4128	Wide Angle Binocular 10 x 35	\$16.25 each
4157	Binocular 30 x 70	\$47.50 each
4374	Zoom Telescope 8x-25x, 30 mm.....	\$10.95 each
6142	Stereoscopic Microscope	\$16.95 each
6126	750x Microscope Kit	\$ 6.95 each
722	Prismatic Compass	\$ 6.95 each

DATE _____

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

Ordered by _____ Date _____

COMPASS INSTRUMENT & OPTICAL CO

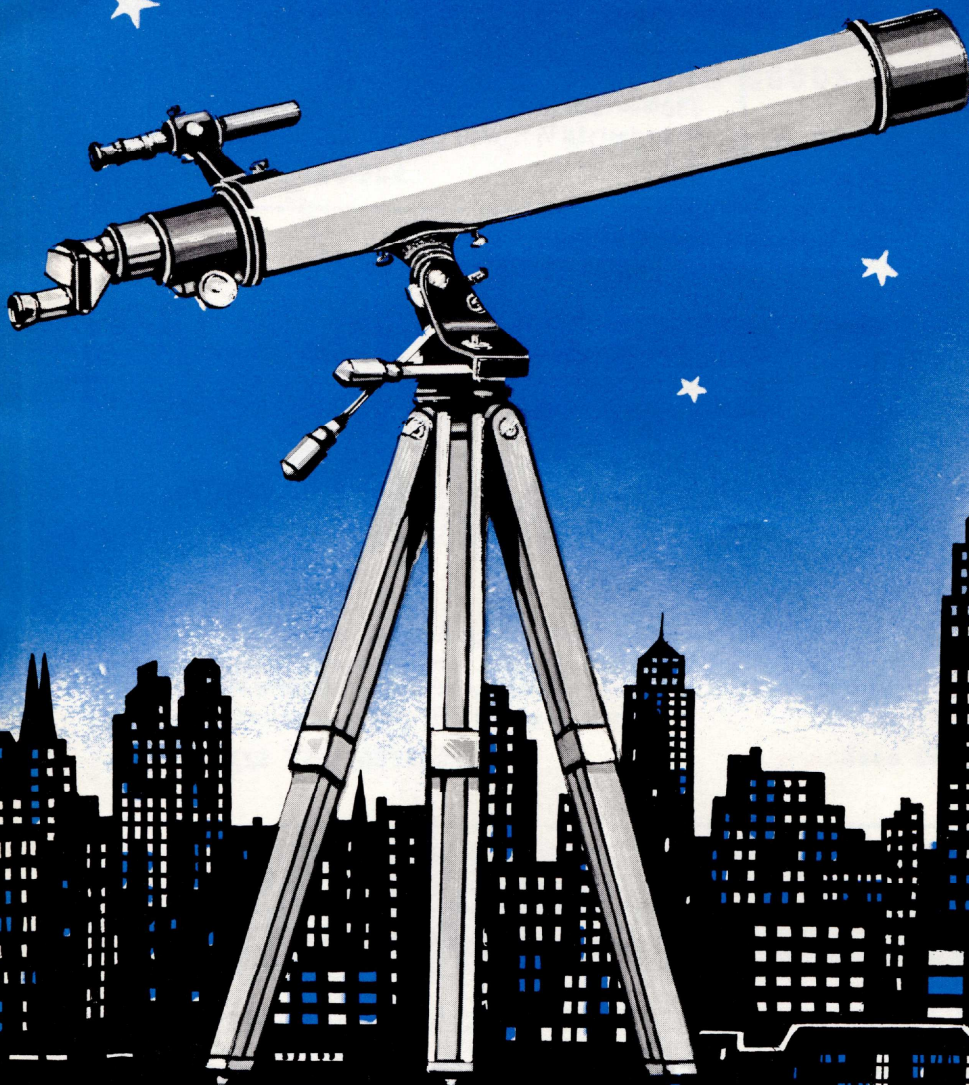
104 EAST 25th STREET Telephone (A

Compass

MB

MONOLUX[®]

TELESCOPES



COMPASS INSTRUMENT & OPTICAL CO., INC., 104 EAST 25th STREET, NEW YORK, N. Y. 10010

DRAW TELESCOPES

MADE IN JAPAN

Handy, pocket-sized instruments designed for the hunter, the scout and the active sportsman.

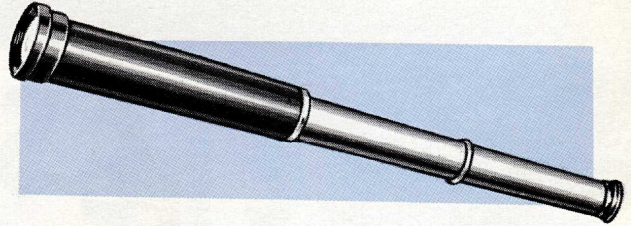
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4357 - HAND TELESCOPE

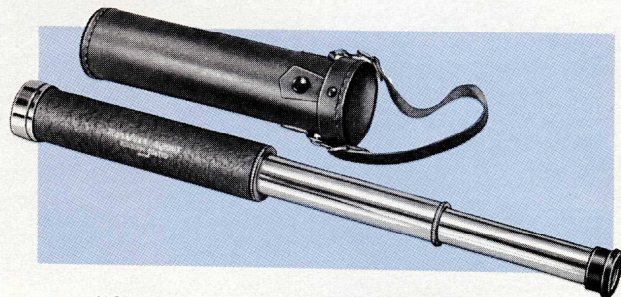
10x30mm.
Coated, no drawtube
Single turn focus eyepiece
12" long
Complete with carrying case
SUGGESTED LIST \$8.75 ea.

These are our very popular single- and two-draw telescopes. Coated optics for better light transmission; brass drawtubes; highly polished plating; collapsible into compact size. Carry one in pocket or purse, or in the glove compartment of your car.



4306—"NEPTUN" 20x30, two drawtubes—closed 7", extended 14½".

SUGGESTED LIST \$4.95 ea.

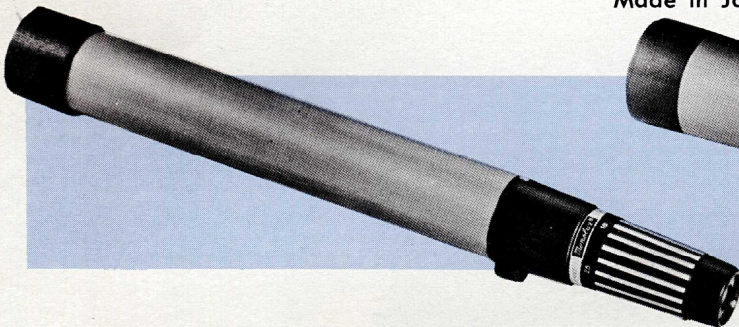


4309—"SUMMIT" 30x30, two drawtubes—closed 7", extended 14½", with pigskin leather carrying case and shoulder strap.

SUGGESTED LIST \$7.75 ea.

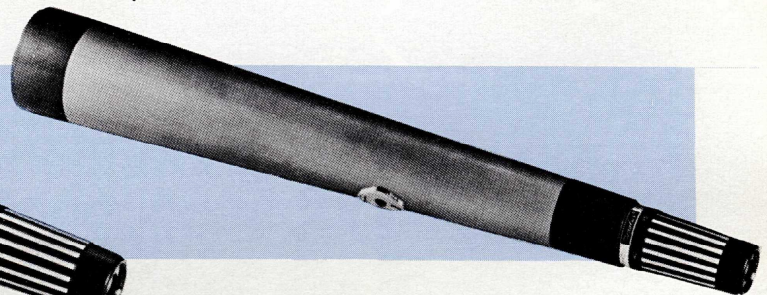
ZOOM SPOTTINGSCOPE

Made in Japan



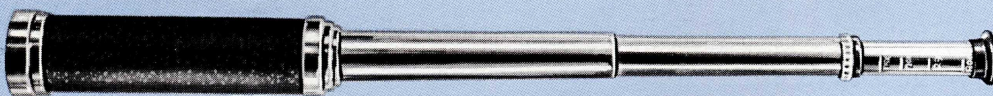
No. 4370—10x-25x magnification, color corrected lenses, fully coated. Objective lens 30mm. Has tripod adapter to fit to any standard camera tripod. 11½" long, extended 12¾".

SUGGESTED LIST \$13.50 each



No. 4372—Magnification range 15x-40x, color corrected fully coated optic. Objective lens 40mm. With tripod socket to fit any standard camera tripod. 14½" long, extended 15½".

SUGGESTED LIST \$22.50 each



4345—35mm objective lens. This is a variable-power telescope. It yields four different magnifications at different eyepiece settings: 15x, 20x, 30x and 40x. Produced to our own specifications, it is of first-class construction and performance. Coated optics; images equally

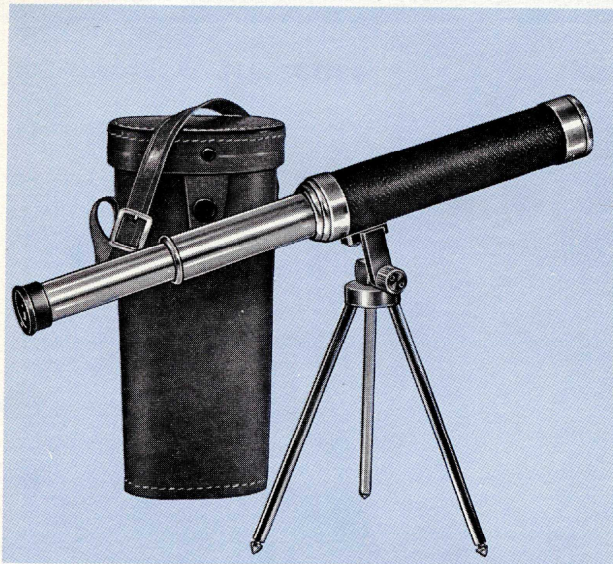
sharp and clear at all settings. Chrome plated drawtubes, body covered with black vinylite. Supplied with hard leather carrying case. 8½" closed, 24" extended.

SUGGESTED LIST \$29.95 each

SPOTTING AND TARGET TELESCOPES

MADE IN JAPAN

For use wherever high power and precision construction are desired. Indispensable on farm or range, for sports or nature study.



4353—30x30—A beautifully made general-purpose instrument securely mounted on a tripod for stability. 30mm coated objective; magnification 30x. Although small and compact, it is extremely powerful, and will do the work of much larger instruments. Complete with carrying case.

SUGGESTED LIST \$8.95 ea.



4317—40x40—A precision instrument for astronomy, sports, target shooting and everywhere extremely high power is required. Objective lens 40mm, coated, color corrected; magnification 40x; field of view 59 ft. at 1000 yards; supplied with tripod stand. White enamel finish. 25" long, 11 1/2" high when mounted.

SUGGESTED LIST \$12.95 ea.



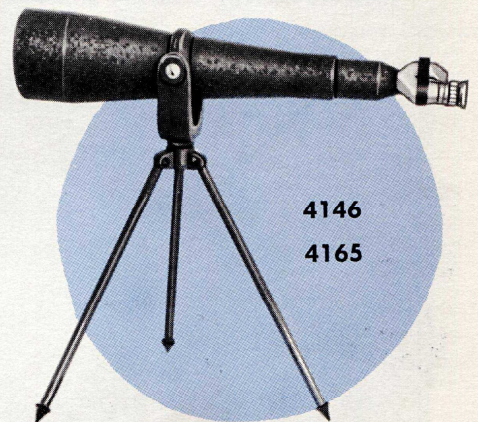
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4348—55x50—ASTRONOMICAL TELESCOPE—A sturdy, all-around glass of handy size and powerful optics. 50mm coated achromatic objective, magnification 55x. Star diagonal prism for convenient observation. Rack and pinion focusing. Rifle sight type finding device. Metal tripod 13 1/2" high.

SUGGESTED LIST \$28.95 ea.

ALSO AVAILABLE:

Additional eyepiece to increase magnification to 100x. **SUGGESTED LIST \$7.95 ea.**



4146—20x40—A powerful spotting scope of lightweight construction. Crackle finished body with chromium plated satin finish trim. Removable dew cap for protection of the objective when not in use. Achromatic (color-corrected), internally coated. Objective lens 40mm in diameter, magnification 20x. Sturdy metal tripod. Field of view 2°, or 105 ft. at 1000 yards. Telescope is only 8 1/4" long. Incl. leather case.

SUGGESTED LIST \$21.95 ea.

4165—30x60—Same as 4146, but with 60mm objective lens, magnification 30x. Field of view 1° 4', or 85 ft. at 1000 yards. Length of telescope 12 1/4" incl. leather case.

SUGGESTED LIST \$32.95 ea.

ASTRONOMICAL TELESCOPES

MADE IN JAPAN

With these powerful instruments, the student and the amateur astronomer can observe the craters on the moon, the rings of Saturn, satellites of other planets, sunspots, star clusters, nebulae and other celestial wonders. All telescopes described here have coated optics for more efficient light transmission and more brilliant images.

4380 — ASTRONOMICAL TELESCOPE — Objective 60mm in diameter, coated. Magnification Range 45x to 450x; focal length 910mm. This is the ideal telescope for the serious student. It is equipped with star diagonal, sun glass and solar projection screen for sunspot observation and erecting prism for terrestrial viewing. 6x finder, with cross-hairs. Observatory-type equatorial tripod mounting, about 5½ ft. high, adjustable for latitude. Flexible chuck slow-motion adjustments for both hour angle and declination. A handy accessory tray makes it easy to keep notebook, pencil and additional oculars close at hand. Fitted hard-wood carrying and storage case.

SPECIFICATIONS:

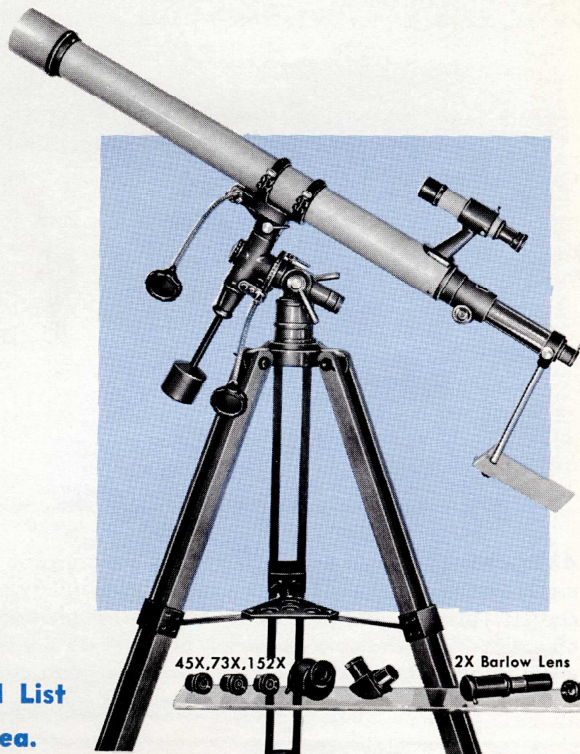
Objective: achromatic, coated, diameter.....60mm (2".4)
 Focal length.....910mm

Four eyepieces:

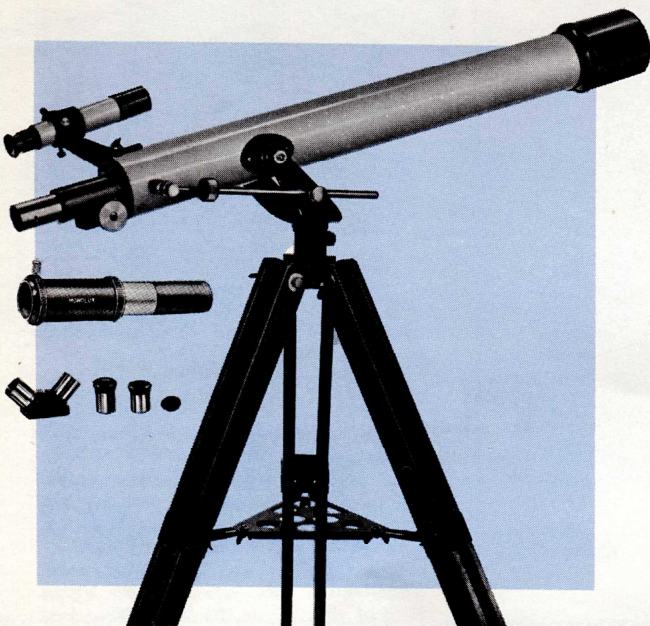
20mm45x
 12.5mm73x
 6mm152x
 4mm225x

Barlow lens, which doubles the power of any eyepiece with which it is used. This extends the full range of the telescope from lowest power of 45x to highest of 450x.

- 6x finder with cross-hairs
- Diagonal prism for right angle viewing
- Erecting prism for terrestrial viewing
- Sun glass and solar projection screen
- Equatorial mounting, tripod with graduated setting circles



Suggested List
\$149.95 ea.



No. 4369 ASTRONOMICAL TELESCOPE

Magnification up to 250x
 Objective lens achromatic, coated, 60mm
 Focal length 700mm
 View Finder with Crosshairs 5x24mm
 2 Huygenian eyepieces:
 H 12.5mm..... 55X
 H 5.5mm.....125X



2X Barlow lens, which doubles the power of any eyepiece with which it is used.

This extends the full range of the telescope from lowest power of 55X to 250X.

STAR DIAGONAL PRISM for right angle viewing.

SUN LENS for solar observations.

ACCESSORY TRAY

Sturdy wooden extension tripod with declination rod for vertical fine adjustment.

Complete in cardboard box.

SUGGESTED LIST \$56.95 ea



No. 4378—2X Barlow lens, which doubles the power of any eyepiece with which it is used.

SUGGESTED LIST \$4.75 each

ASTRONOMICAL TELESCOPES

MADE IN JAPAN

(continued)

4352

ASTRONOMICAL TELESCOPE

MAGNIFICATION UP TO 234X

Objective lens, achromatic,
coated 60 mm
Focal length 700 mm
View finder, with crosshairs...5x24 mm
Two Huygenian eyepieces:
20 mm 35X
5 mm138X

2X BARLOW LENS, which doubles the magnification of any eyepiece with which it is used. This extends the full range of the telescope from the lowest power of 35X to highest of 276X.

STAR DIAGONAL PRISM for right angle viewing. Sun lens for solar observations. Sturdy wooden extension tripod with microtype fine adjustments in altitude and azimuth.

Accessory tray.

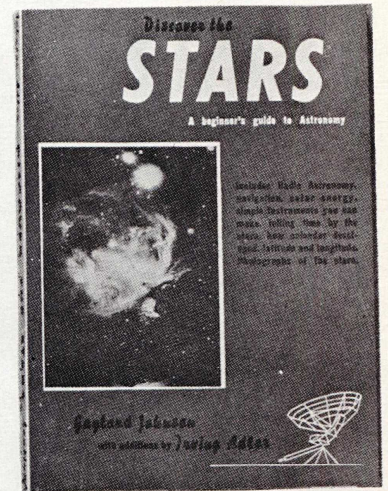
Complete in wooden carrying case.

SUGGESTED LIST \$75.95 ea.



FOR THE STUDENT

4351 Book: DISCOVER THE STARS

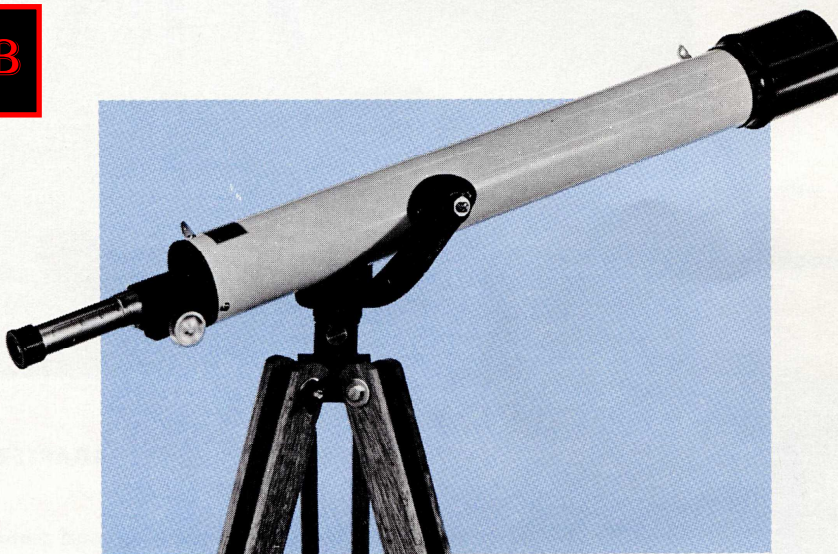


The science of astronomy simplified. How to recognize the stars, planets and constellations. Finding your own latitude and longitude. How to tell time by the stars. Making a simple sundial. How astronomy develops our calendar. The pageant of the seasons unfolded. Radio astronomy explained. How astronomy aids in navigation and gunnery. 8 full pages of exciting astro-photographs plus 47 illustrations. 136 pages.

SUGGESTED LIST
List \$1.05 ea.



MB



4328—A variable-power telescope yielding four different magnifications at different eyepiece settings: 15x, 30x, 45x, 60x. 60mm achromatic objective lens, coated. About 22" long, focal length 360mm. Rifle sight type guiding device. Supplied with wooden tripod 55 1/2" high which collapses to 23" for carrying.

SUGGESTED LIST \$30.95 ea.

No. 4390 4" REFLECTOR TELESCOPES

MADE IN JAPAN



900 mm. focal length, employing an aluminized and quartz overlaid primary mirror. Equipped also with an extremely bright secondary mirror. Micro-focusing for pin-point observation. One eyepiece is 4mm Orthoscopic-175x—and the other one is a 20mm Hygens-30x. A highly achromatic lens system. The finder scope is 5x with a 24mm objective lens. All metal construction with white enamel finish on body. Sun filter. Complete with wooden tripod and instructions. Individually boxed, made in Japan.

SUGGESTED LIST \$79.50 each

MB

CAMERA TRIPOD

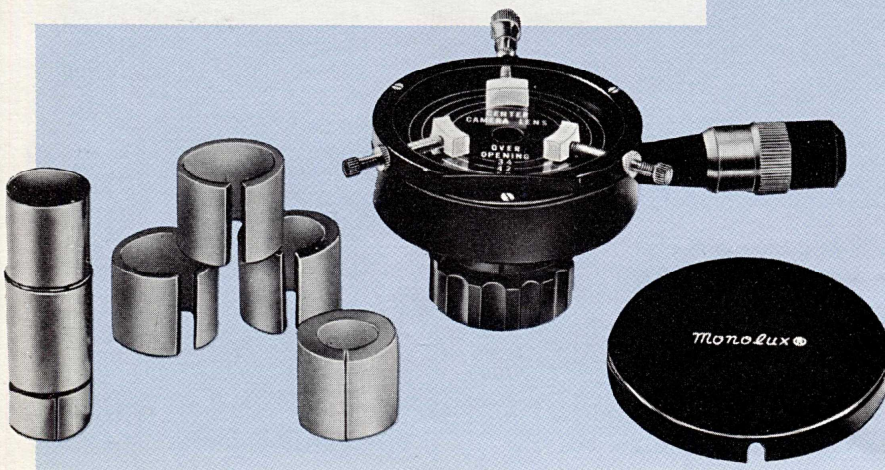
Made in Japan

No. 892—A sturdy tripod, has 8 sections, when full extended. Two-way panhead, standard thread. The legs are brass finish, nickel coated, rubber tips. Closed 11", extended 45". Complete in leather carrying case.

SUGGESTED LIST \$6.45 each

No. 890—Same tripod as above, however with elevator type adjustment.

SUGGESTED LIST \$8.45 each



No. 6057 — PHOTO MICROGRAPHIC ADAPTER, MADE IN JAPAN

includes four plastic bushings and metal extension tube.

Photographs can be easily taken of any object, studied under telescopes.

Focusing is done while sighting through the adapters viewing telescope.

This adapter permits the use of any camera with most telescopes.

SUGGESTED LIST \$24.95



*Separate Catalogs
for our other complete line of*

**BINOCULARS • FIELDGLASSES • OPERAGLASSES
MAGNIFIERS • MICROSCOPES • RIFLESCOPES
STOPWATCHES • BAROMETERS • COMPASSES
DRAFTING SUPPLIES**

available upon request

'Binolux' BINOCULARS *'Monolux'* MICROSCOPES and TELESCOPES



COMPASS INSTRUMENT & OPTICAL CO. INC.

104 EAST 25th STREET

NEW YORK, NEW YORK 10010

D I S T R I B U T O R S P R I C E L I S T
FOR HAND TELESCOPES, SPOTTING AND TARGET TELESCOPES,
FIELD TELESCOPES AND ASTRONOMICAL TELESCOPES



PAGE	NUMBER	DESCRIPTION	PRICE
2	4357	10x30 mm Widefield Telescope w/case	\$ 4.50 each
	4306	20x30 mm Telescope	2.50 each
	4309	30x30 mm Telescope w/case	3.25 each
	4370	10x-25x Zoom Telescope	6.50 each
	4372	15x-40x Zoom Telescope	9.90 each
	4345	15-40x38 mm Vari Power Telescope	11.97 each
3	4353	30x30 mm Telescope on Tripod w/case	4.00 each
	4317	40x40 mm Telescope on Tripod	5.25 each
	4348	55x50 mm Telescope on Tripod	13.50 each
		55-100x50 mm Telescope on Tripod	14.95 each
	4146	20x40 mm Spotting Scope w/leather case	12.45 each
	4165	30x60 mm Spotting Scope w/leather case	15.45 each
4	4380	45-450x Astronomical Telescope	79.50 each
	4369	250x Telescope w/view finder and micro- adjustment	26.95 each
		4378	2x Barlow Lens
5	4352	280x Astronomical Telescope	38.75 each
	4328	15-30-45-60x-60 mm Telescope on extension tripod	15.50 each
		4351	Book "Discover the Stars"
6	4390	4" Reflector Telescope 900 mm 175x	42.50 each
	892	Tripod w/pan head	3.25 each
	890	Tripod w/pan head and elevator	4.25 each
	6057	Photo Micrographic Adapter	12.25 each
	* 4374	8-25x30 Zoom Telescope with table tripod and zipper case.	10.95 each

ALL INSTRUMENTS ARE GUARANTEED FOR
PERFECT OPTICAL AND MECHANICAL PERFORMANCE

* Not Shown in Catalog

Prices subject to change without notice

TERMS: Net 30 Days

F.O.B. New York

MINIMUM ORDER: \$25.00



MB

The most Sensational Item

**IN THE
OPTICAL AND SPORTING GOODS FIELD**

No. 4374 • MONOLUX ZOOM TELESCOPE

Extremely attractive to all outdoor enthusiasts, sportsmen and nature lovers.

8X - 25X magnification, objective lens 30 mm, fully coated optics of superior quality. Sharp and brilliant viewing. Sturdy construction. Complete with tripod and carrying case.

Field of View at 1000 Yards —
236 ft. at 8X and
74 ft. at 25X.

Distributors Price \$10.95 ea. complete

Compass

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MINIMUM ORDER \$25.00

..... **PIECES #4374 • MONOLUX ZOOM TELESCOPE**

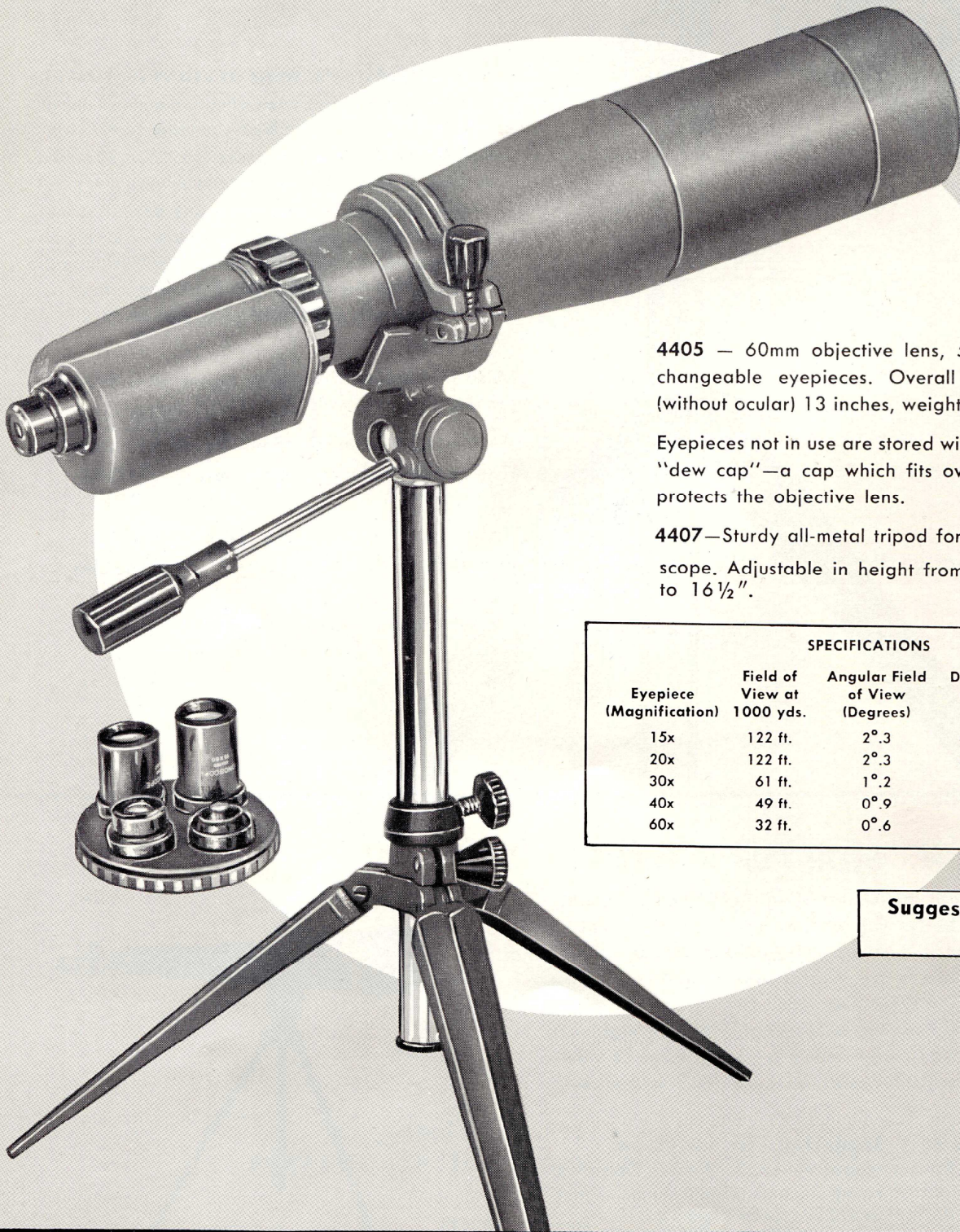
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● SPOTTING SCOPES ●

THE FOLLOWING FOUR PAGES SHOW A GROUP OF SPOTTING SCOPES ALL STYLED TO PACK MAXIMUM POWER INTO THE MOST ECONOMICAL DIMENSIONS

Fully achromatic, built-in prismatic system, with large sized objective lens, giving an amazing brilliance and light-gathering power. Coated optic to obtain greatest efficiency in the transmission of light. Supplied with sunshade, which can be extended to eliminate glare, when looking in the same direction as the sun or other bright light. Made in Japan.



4405 — 60mm objective lens, 5 interchangeable eyepieces. Overall length (without ocular) 13 inches, weight 29 oz.

Eyepieces not in use are stored within the "dew cap"—a cap which fits over and protects the objective lens.

4407—Sturdy all-metal tripod for above scope. Adjustable in height from 11 1/2" to 16 1/2".

SPECIFICATIONS

Eyepiece (Magnification)	Field of View at 1000 yds.	Angular Field of View (Degrees)	Diameter of Exit Pupil	Relative Brightness
15x	122 ft.	2°3	4.0mm	16
20x	122 ft.	2°3	3.0mm	9
30x	61 ft.	1°2	2.0mm	4
40x	49 ft.	0°9	1.5mm	2.25
60x	32 ft.	0°6	1.0mm	1

Suggested List \$74.95
Complete

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Zoom

SPOTTING SCOPES
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MB



No. 4435

ZOOM Spotting scope with tripod, high class quality. The Zoom feature makes it easy to change the magnification powers. Adjustable in height from 12" to 18".

No. 4435 — has 50 m/m objective lens and magnification range from 15x to 30x.

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No. 4442 — has 60 m/m objective lens and magnification range from 25x to 50x.

Suggested List \$82.95



No. 4442

SPECIFICATION:

Objectives	50 mm	60 mm
Eyepieces	17 mm	17 mm
Exit Pupil	3.33 - 1.66	2.9 - 1.2
Angular Field	2°30' - 1°50'	1°30' - 1°0'
Field of View at 1000 yds.	131 - 96 FT	78 - 52 FT

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FOR

SPOTTING SCOPES

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICES</u>
4405 & 4407	60 mm., 5 eyepieces 15x-60x magnification with tripod	\$34.50 ea.
4410 & 4407	60 mm., Turret type, 4 eyepieces 15x-40x magnification	34.50 ea.
	60x eyepiece	3.25 ea.
4146	20x40 mm., with tripod and leather case	<i>12.45</i> 10.45 ea.
4165	30x60 mm., with tripod and leather case	15.45 ea.
4438	60 mm., 5 eyepieces 15x-60x magnification with tripod	37.50 ea.
4438-C	60 mm., 5 eyepieces 15x-60x magnification with tripod and case	43.50 ea.
4435	Zoom type, 50 mm., 15x-30x magnification	29.50 ea.
4440 (new 4442)	Zoom type, 60 mm., 15x-50x magnification	37.50 ea.

ALL INSTRUMENTS ARE GUARANTEED FOR
PERFECT OPTICAL AND MECHANICAL PERFORMANCE

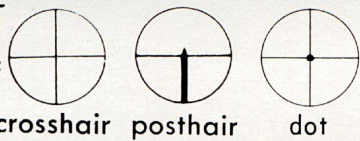
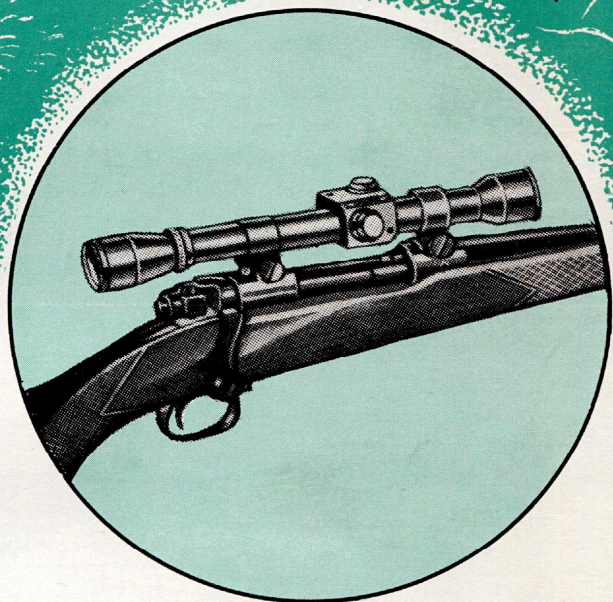
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MONOSCOPE

Rifle Scopes



crosshair posthair dot

The most complete assortment of precision made riflescopes, designed to satisfy the most discerning hunter.

Rugged aluminum construction combines lightness of weight with strength to withstand recoil and rough handling.

All models are supplied with 1" tube diameter, except Nos. 4425 and 4429 which have 3/4" tube diameter.

At dawn or dusk your target is brilliantly clear, as you look through needle-sharp coated lenses. Easy adjustment for windage and elevation, gives positive changes.

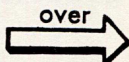
Dustproof leather caps for front and rear lenses supplied with each scope.

For every hunting preference there's a power-match Monoscope.

As specified the Riflescopes are available with crosshair or posthair.

Any standard brand mount will fit these riflescopes.

For complete specification of all available models



MONOSCOPE

RIFLESCOPES

MADE IN JAPAN

COMPLETE SPECIFICATION FOR ALL AVAILABLE MODELS

MAGNIFICATION AND APERTURE m/m	STOCK NUMBER		OVER-ALL LENGTH	EXIT PUPIL	DIAMETER OF EYEPIECE	DIAMETER OF OBJECTIVE TUBE	FIELD AT 100 YARDS	RELATIVE BRIGHTNESS	EYE RELIEF	WEIGHT	
	CROSS HAIR	POST HAIR									
FIXED RETICULE NITROGEN GAS FILLED	2.5x 32	4400	4418	11-5/8"	12.8 mm	1.4"	1.5"	40'	64	3"	10 ozs.
	4x 32	4420	4421	11-5/8"	8 mm	1.4"	1.5"	30'	60	3"	10 ozs.
	6x 32	4402		11-3/4"	5.3 mm	1.4"	1.5"	22'	28.1	3"	10 ozs.
	12x 40	4430	4432	13-3/8"	3.3 mm	1.4"	1.85"	11.3'	11	3"	12 1/4 ozs.

THE MODELS 2.5x 32 m/m } also available with
and 4x 32 m/m } DOT RETICULE
- 2.5x - Stock #4475 • 4x - Stock #4477

VARIABLE POWERS 3x - 9x - 32 • NITROGEN GAS FILLED	4443	4446	12"	10.7 mm at 3x 8.0 " " 4x 6.4 " " 5x 5.3 " " 6x 4.6 " " 7x 4 " " 8x 3.6 " " 9x	1.4"	1.5"	31' at 3x 28' " 4x 22' " 5x 18' " 6x 15' " 7x 13' " 8x 11' " 9x	115 64 40 28 21 16 13	3.2" at 3x 3.2" " 4x 3.1" " 5x 3.1" " 6x 3" " 7x 3" " 8x 2.9" " 9x	10 ozs. " " " " " "
2-1/2 - 10x - 40 NITROGEN GAS FILLED	4434	-	13 3/4"	16 mm at 2.5x 13.3 " " 3x 10 " " 4x 8 " " 5x 6.7" " 6x 5.7" " 7x 5.0" " 8x 4.4" " 9x 4.0" " 10x	1.4"	1.85"	21.2' at 2.5x 21.2' " 3x 21.2' " 4x 21.2' " 5x 21.2' " 6x 21.2' " 7x 17.8' " 8x 14.5' " 9x 13.1' " 10x	256 177 100 64 45 33 25 20 16	6" at 2.5x 5-1/4" " 3x 4-3/4" " 4x 4-3/8" " 5x 4-1/8" " 6x 4" " 7x 3-7/8" " 8x 3-3/4" " 9x 3-3/4" " 10x	16 ozs. " " " " " " " "

4x 15
for .22 cal. Rifles



#4425

4425	-	12"	3.7 mm	18 mm	25 mm	25'	14	2.3"	6 ozs.
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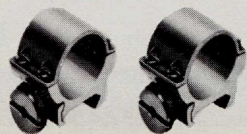
VARIABLE POWERS

3x - 7x - 20
for .22 cal. Rifles



#4429

4429	-	12-1/4"	6.6 mm at 3x 5.0 " " 4x 4.0 " " 5x 3.3 " " 6x 2.8 " " 7x	1"	1"	29.7' at 3x 21' " 4x 18' " 5x 16' " 6x 12' " 7x	43.5 25 16 10.8 7.8	2"	8 ozs.
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NO. 4455 - 1" regular ring mount. Easy to install on the most popular riflescopes.

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FOR

RIFLESOPES

FILLED WITH NITROGEN GAS TO AVOID FOGGING

MB

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
4425	4x15 mm. - 4 lens system, Crosshair	\$ 3.50 ea.
4425A	4x15 mm. - 7 lens system, Crosshair	4.50 ea.
4429	3-7x20 mm. Vari-Power, Crosshair	6.50 ea.
4400	2.5x32 mm. Crosshair, fixed reticule	8.95 ea.
4418	2.5x32 mm. Posthair, fixed reticule	8.95 ea.
4420	4x32 mm. Crosshair, fixed reticule	8.95 ea.
4421	4x32 mm. Posthair, fixed reticule	8.95 ea.
4402	6x32 mm. Crosshair, fixed reticule	9.95 ea.
4443	3-9x32 mm. Crosshair, Vari Power, fixed reticule	15.95 ea.
4446	3-9x32 mm. Posthair, Vari Power, fixed reticule	15.95 ea.
4434	2.5x-10x40 mm. Crosshair, Vari Power	22.75 ea.
4455	Riflescope Mount	2.25 ea.
4475	2.5x32 mm. Dot, fixed reticule	9.95 ea.

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Page	Carton Packing	No.	BINOCULARS	Price	Page	Carton Packing	No.	FIELD, SPORT AND OPERA GLASSES	Price
5	50	4002	6x15 IF	\$9.25 ea.		30	167	4.5x40	\$4.95 ea.
	50	4040	7x18 IF	10.25 ea.		54	163	2.5x42	Disc.
	50	4011	6x25 CF WA	19.75 ea.		150	162	4x40	7.50 ea.
	50	4041	7x18 CF	12.95 ea.	14	50	159	3.5x35x18	9.00 ea.
	50	4074	8x20 CF	13.25 ea.		250	176	2.5x23	2.75 ea.
	50	4110	10x20 IF	14.50 ea.		200	222	3x25	4.25 ea.
	50	4111	10x20 CF	15.75 ea.		250	185	2.5x	.75 ea.
	120	4005	6x15 CF	14.95 ea.		150	291	3x	7.20 ea.
6	30	4109	10x40 CF WA	20.95 ea.	15	100	216	3x26	9.95 ea.
	20	4012	6x30 IF	10.75 ea.		125	244	4x30	10.95 ea.
	20	4013	6x30 CF	11.25 ea.		100	173	3x26	9.00 ea.
	100	4256	7x35 CF German	29.50 ea.		250	238	2.5x27	7.75 ea.
	50	4258	7x50 CF German	36.50 ea.		150	240	2.5x27	7.20 ea.
7	20	4020	7x35 IF	10.95 ea.		100	242	3x28	8.95 ea.
	20	4022	7x35 CF	11.45 ea.	16	100	218	2.5x25	9.25 ea.
	20	4029	7x35 CF-420 ft. AT	16.95 ea.		250	228	2.5x23	6.95 ea.
	20	4036	7x35 CF-551 ft. AT WA	18.50 ea.		125	224	3x25	14.95 ea.
	20	4035	7x35 CF-578 ft. AT WA	19.95 ea.		200	220	3x25	10.95 ea.
	20	5635	7x35 CF-578 ft. MG AT WA	21.50 ea.		50	231	2.5x23	11.50 ea.
8	30	5622	7x21 CF-525 ft. AT	Disc.		72	*535	3x30	4.50 ea.
	20	5630	7x35 CF Flat 8°	Disc.					
	20	4050	7x50 IF	13.75 ea.	17	50	4336	6x30	8.50 ea.
	20	4052	7x50 CF	14.25 ea.		50	4331	7x35	9.75 ea.
	20	4062	7x50 CF AT	20.95 ea.		50	4332	7x50	11.25 ea.
	20	5665	7x50 CF AT 578 ft.	31.95 ea.		50	4339	10x50	12.25 ea.
9	20	4080	8x30 IF	11.25 ea.		50	4335	16x50	14.25 ea.
	20	4082	8x30 CF	11.75 ea.		50	4337	20x50	15.25 ea.
	20	4087	8x40 CF	12.95 ea.		50	4330	7x35 AT	11.75 ea.
	20	4089	8x40 CF AT	19.95 ea.		50	4340	7x12x Zoom	17.25 ea.
	20	4091	8x40 CF-474 ft. AT WA	24.95 ea.		100	4334	10x20	8.25 ea.
	20	4108	8x50 CF	Disc.					
10	20	4116	10x50 IF	14.75 ea.		250	3996	Clamp	1.20 ea.
	20	4117	10x50 CF	15.25 ea.	18	100	785	Magni Visor	5.97 ea.
	20	4136	16x50 CF	17.95 ea.			2015	Bed Spectacle	5.97 ea.
	20	4153	20x50 CF	18.95 ea.					
	20	4151	20x50 CF	21.95 ea.					
	10	4156	20x70 CF	42.50 ea.					
	20	5115	10x50 CF WA AT	30.95 ea.					
11	20	4025	7x35 CF GT-525 ft. WA	14.95 ea.		20	3020	7x35 IF	10.95 ea.
	20	5699	7-15x40mm Zoom	39.95 ea.		20	3022	7x35 CF	11.95 ea.
	20	5689	7-12x40mm Vari Power Zoom	29.50 ea.		20	3050	7x50 IF	13.25 ea.
	20	*5697	6-12x32mm Zoom	32.95 ea.		20	3052	7x50 CF	13.95 ea.
12	50	4044	7x21-525 ft. WA	Disc.		20	3082	8x30 CF	12.25 ea.
	20	*4128	10x35 CF GT WA	16.25 ea.		20	*3087	8x40 CF	13.25 ea.
	10	*4157	30x70 CF GT	47.50 ea.		20	3117	10x50 CF	14.95 ea.
	10	*4260	8x25 German CF	24.95 ea.					
			FIELD, SPORT, & OPERA GLASSES						
13	20	280	7x35 CF Non-Prismatic	5.95 ea.					
	50	169	3x40	2.55 ea.					
	50	171	4x40	2.90 ea.					

NOTE: ALL HONG KONG BINOCULARS FURNISHED IN HARD CASES ONLY.

*NOT SHOWN IN CATALOG.

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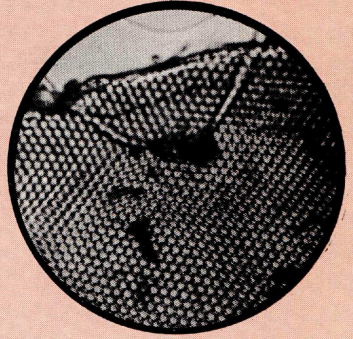
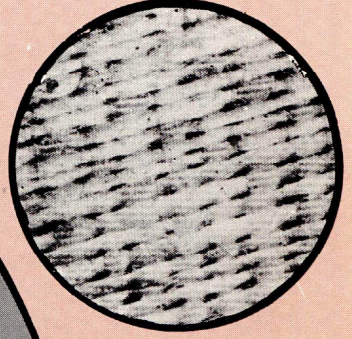
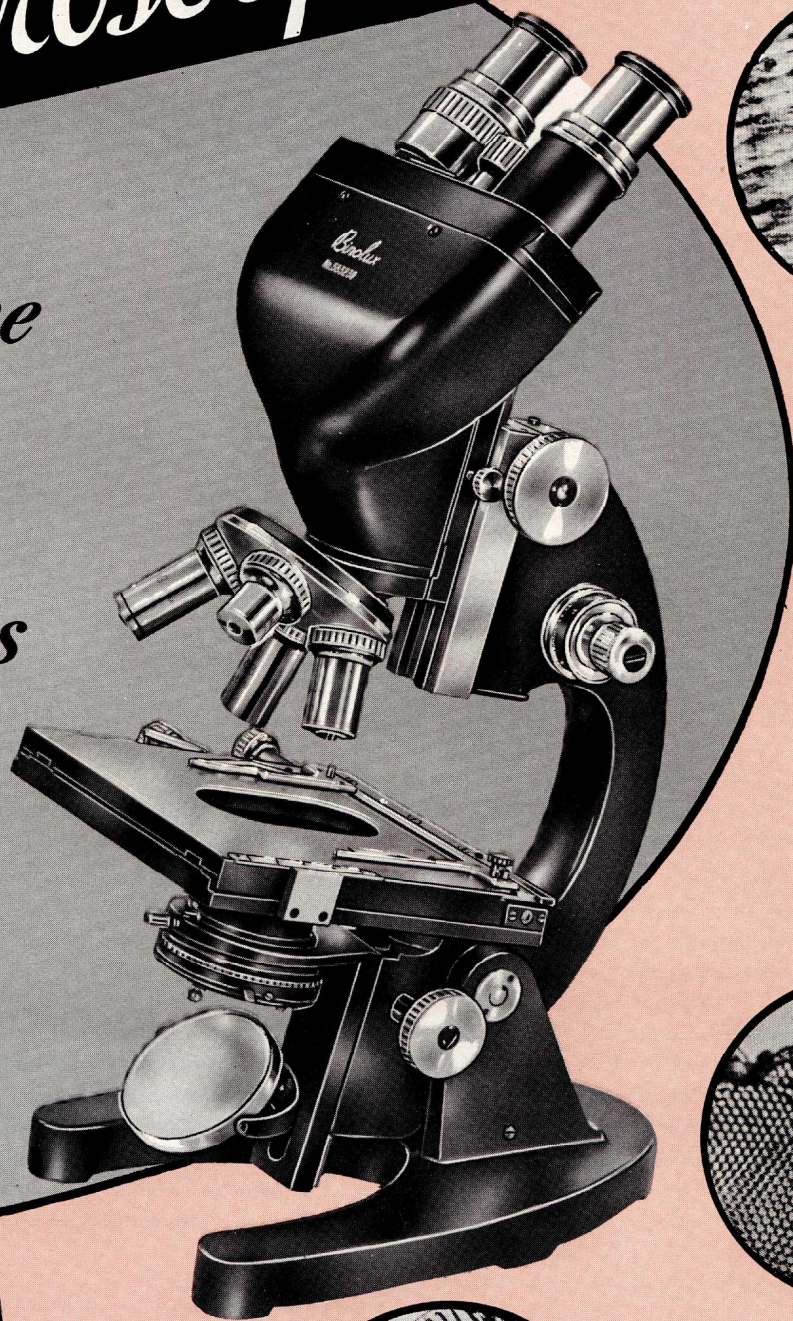
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Microscope Catalog

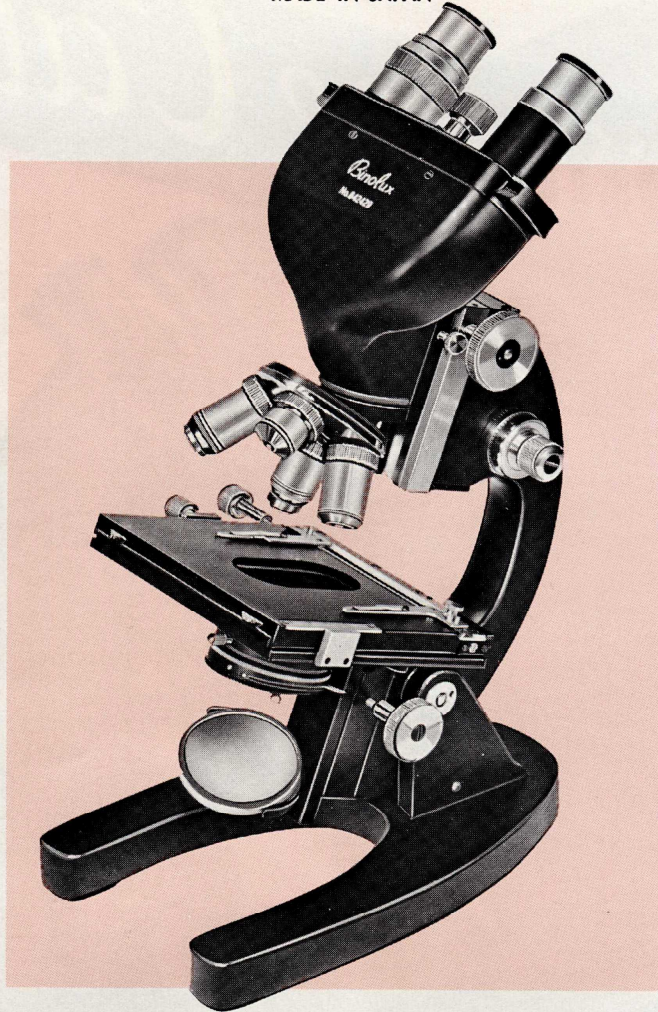
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MADE IN JAPAN



6023 — RESEARCH BINOCULAR MICROSCOPE. With quadruple nosepiece.

This superb binocular microscope will undertake the most exacting research problems. Its body is of sturdy, solid construction, yet the motions are absolutely smooth and precise. The optical elements are the product of superior design and craftsmanship. Coated optics.

Inclined binocular body — angle of inclination 30° — is interchangeable with standard monocular body. Stand inclines to 90°. Primary magnification 1.0x. Rack and pinion coarse focusing, Meyer's gear type fine focusing adjustment (one interval 0.002mm). Fully adjustable for interpupillary distance. Large square stage, 120mm x 120mm with orthogonal movements (Vernier-type with

scale and nonius). Substage is adjusted by rack and pinion motion and carries three-lens Abbe condenser (N.A. 1.40) with built-in iris diaphragm, interchangeable for dark field condenser. Plane and concave mirrors. Baked enamel finish; chromium plated exposed metal parts. In .fitted hardwood cabinet, with lock and key.

Price includes additional body, monocular tube.

OPTICAL COMBINATION

Eyepieces	Objectives (Achromatic, parfocal)	Condenser	Total Magnification
Huygenian 5x Dry	3.5x N.A. 0.10	Abbe	20x - 1455x
Huygenian 10x WF Dry	10x N.A. 0.25	three-lens	
Periplan P15x Dry	43x N.A. 0.65	condenser	
	Oil immersion 97x N.A. 1.25	N.A. 1.40	

Suggested List \$ 442.50

Objectives 43x and 97x are supplied "Spring Mounted"

MB

No. 6122 COMPLETE LABORATORY KIT

MADE IN JAPAN

in fitted wooden carrying case, styrofoam lined.

CONSISTS OF: 900 Power ZOOM Microscope, magnification range from 50x to 900x.
Zoom eyepiece 10x - 20x.

Revolving quadruple nosepiece with four objectives — 5x, 12x, 20x and 45x.
Condenser lens in stage — Disc diaphragm with five aperture.

Substage illumination by plano mirror and lamp, which operates on standard pen size batteries or on AC electric current.

U.L. approved transformer with connecting cord, which serves to operate the microscope on electricity. It is only necessary to insert plug of cord in socket in base, and other end of cord into electric outlet.

ACCESSORIES: Seven piece dissecting kit • 3 test tubes • 1 beaker • 1 frog • 1 shrimp • 1 bottle each — Canada balsam, Xylol, methylen blue, Fuchsin • 1 prepared slide, 11 unprepared slides, • 1 box cover glasses • 1 magnifier • 2 replacement bulbs for substage lamp.

SUGGESTED LIST \$30.95

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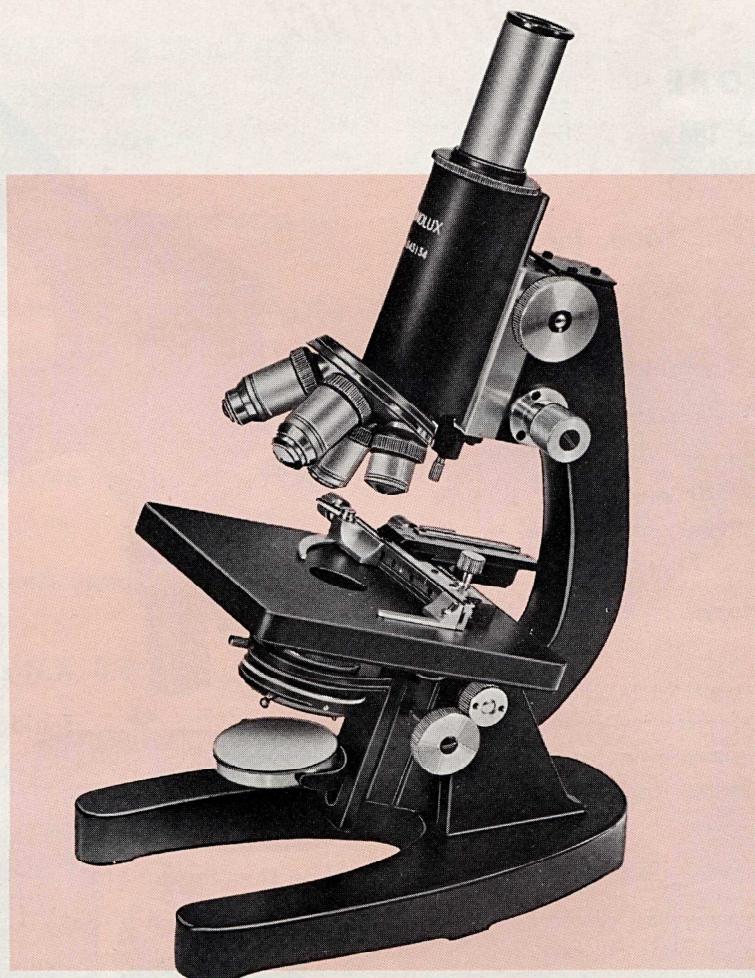
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PROFESSIONAL MEDICAL AND RESEARCH MICROSCOPES

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6020 — Standard instrument for medical schools.

Built with all the precision and accuracy demanded by the medical student and research laboratory, yet sturdy and solid, with very fine coated optical elements and highest quality body construction.

Body inclines to 90°. Tube length 170mm. Rack and pinion coarse focusing; durable double-lever type fine focusing adjustment. Fixed rectangular stage (120.5mm x 115mm) with removable graduated mechanical stage. Substage, operated by rack and pinion motion, holds double-lens Abbe condenser (N.A. 1.20) with built-in iris diaphragm (interchangeable for dark field condenser). Plane and concave mirrors. Baked black enamel finish, chromium plated exposed metal parts. In professional hardwood carrying cabinet, with lock and key.

OPTICAL COMBINATION

Eyepieces	Objectives (Achromatic Parfocal)			Condenser	Total Magnification
Huygenian 5x	Dry	4x	N.A. 0.10	Abbe	20x - 1455x
Huygenian 10x WF	Dry	10x	N.A. 0.25	two-lens	
Periplan P15x	Dry	43x	N.A. 0.65	condenser	
	Oil immersion	97x	N.A. 1.25	N.A. 1.20	

Suggested List \$207.00

Objectives 43x and 97x are supplied "Spring Mounted"

STUDENT MICROSCOPES

FOR JUNIOR COLLEGE, HIGH SCHOOL AND JUNIOR HIGH SCHOOL LABORATORIES

Monolux®

6091 — MICROSCOPE

Magnification up to 400 x

MADE IN JAPAN

Inclined Prismatic Monocular Head, for ease of observation.

Head revolves 360 degrees.

Large heavy stand, baked enamel grey finish.

Low position coarse and fine focusing adjustments, on both sides.

Large metal stage 140x120 mm., with built-in Condenser, N.A. 0.65 taped and drilled to accept mechanical stage.

Automatic safety stop, prevents damage to objectives and slides.

Disc diaphragm with 5 apertures, numbered from 1 to 5, starting with the largest aperture; can be removed and exchanged against sleeve condenser N.A. 1.20.

10x wide field ocular, coated with pointer.

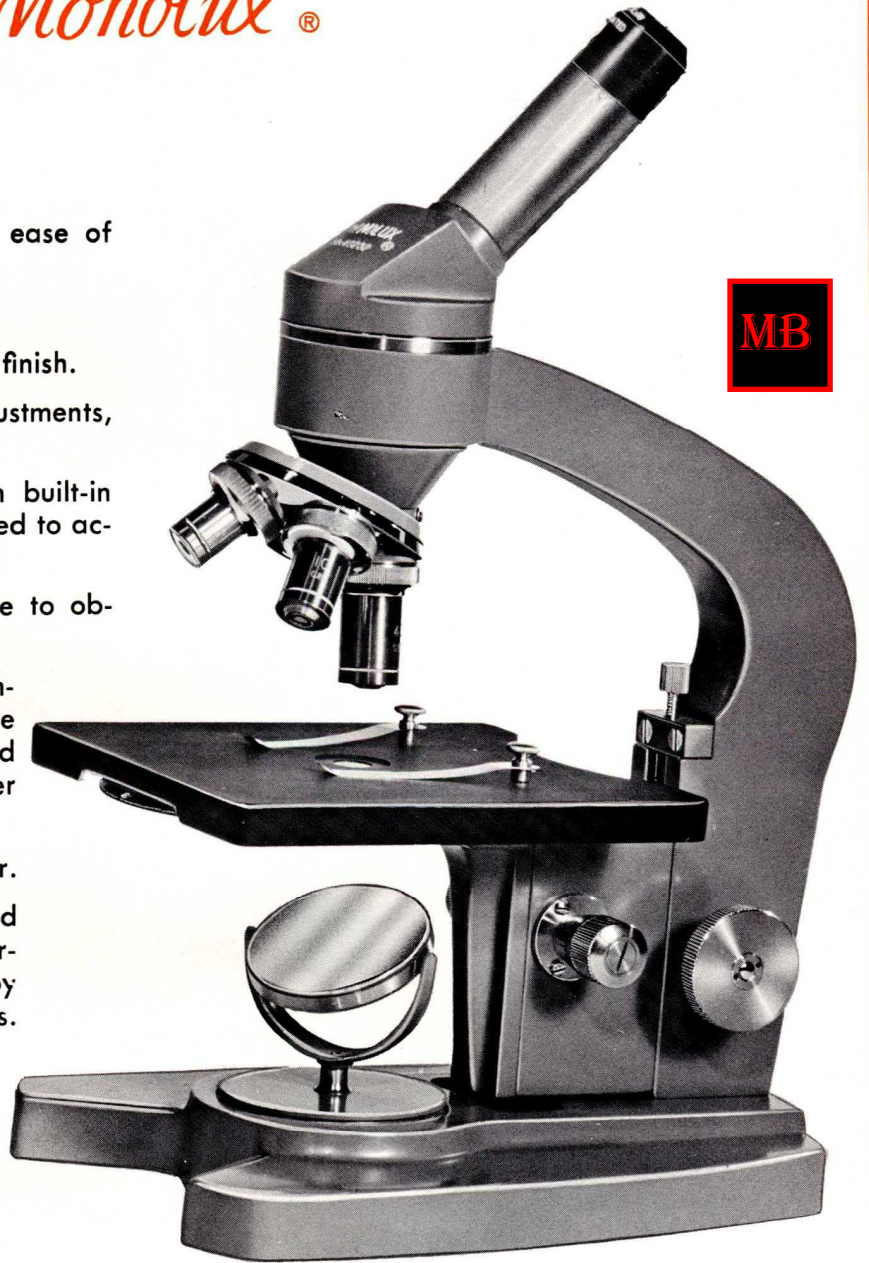
Quadruple nosepiece, 3 objectives, coated achromatic, 5x, 10x and 40x all par-focal, the fourth opening covered by cap for future use of oil immersion lens.

Plane and concave mirror.

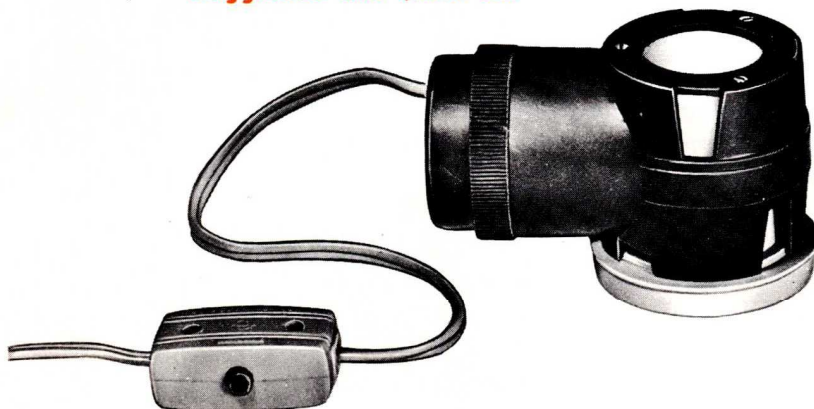
Attachable Substage Lamp
(model #6098) available.

Height 12½".

Complete in wooden cabinet, with lock and key. **Suggested List \$110. ea.**



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6098 — Attachable
Substage Lamp

Suggested List \$15. ea.

Monolux[®]

6090

LARGE PROFESSIONAL TYPE STUDENT MICROSCOPE

Magnification up to 430X
recommended for High Schools

High quality, full professional standard size, all metal construction, grey finish.

Extra large stage; no objective will overhang the stage whether microscope is supplied with double or triple nosepiece.

Large horseshoe base, which serves as another protection for the objectives and stage.

Precision coated optic,

Built-in rack stop prevents damage of objective lenses.

Built-in condenser lens N.A. 0.65.

Complete in wooden cabinet.

SPECIFICATION:

Height 13" - when in focus.

Rack-and pinion coarse focusing adjustment and graduated fine focusing wheel.

Built-in rack stop, at low power objective, preventing breakage of slides.

Large stage 120 x 140 mm.

Revolving disc diaphragm with 5 aperture opening.

Condenser lens N.A. 0.65 inserted in stage.

Eyelens and objectives, par-focal, and coated.

Stage with slide clips, drilled to accept mechanical stage.

Plane and concave mirror 50 mm diameter.

OPTICAL COMBINATION

10xWF ocular, held by set screw.

43X objective has spring mount, another safety provision for lens, as well as slides.

6090 triple nosepiece and 3 objectives 4X - N.A. 0.10

10X - N.A. 0.25

43X - N.A. 0.65 with spring mount

Suggested List

\$99

6089 or double nosepiece and 2 objectives: 10X - N.A. 0.25

43X - N.A. 0.65 with spring mount

Suggested List

\$92



STUDENT MICROSCOPES

MADE IN JAPAN

FOR JUNIOR COLLEGE, HIGH SCHOOL AND JUNIOR HIGH SCHOOL LABORATORIES



6124 — Student type Monocular Microscope of superior quality and workmanship for school and college laboratories. Supplied with precision optic, coated for better light transmission. Objectives are parfocal. Equipped with built-in rack stop preventing damage of slides. Large stage 115 x 110 mm with Abbe Condenser N.A.1.20 in adjustable sleeve mount and iris diaphragm. No objective lens will overhang the stage. Fixed 160 mm tube, rack and pinion motion coarse and fine adjustments. Large horseshoe base serves as protection for the objectives and stage. Large plane and concave mirror 48 mm diameter. Height 12". Complete with fitted hardwood cabinet.

Optical Combination:

Three achromatic objectives: 5x 10x 40x

Three huyghenian oculars: 5x 10x 15x

EYE PIECE	Objectives		
	5X	10X	40X
5X	25X	50X	200X
10X	50X	100X	400X
15X	75X	150X	600X

Suggested List \$94.50

The following accessories are available:

6045 — Mechanical Stage

6100 — 10x wide field ocular

6049 — 100x oil immersion lens

Suggested List \$20.75

Suggested List \$ 6.95

Suggested List \$29.95

MB

STUDENT MICROSCOPES

MADE IN JAPAN

FOR JUNIOR COLLEGE, HIGH SCHOOL AND JUNIOR HIGH SCHOOL LABORATORIES



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The following accessories are available:

6045 — Mechanical Stage

Suggested List \$20.75

6100 — 10x wide field ocular

Suggested List \$ 6.95

6049 — 100x oil immersion lens

Suggested List \$29.95

STUDENT MICROSCOPES
FOR JUNIOR COLLEGE, HIGH SCHOOL AND JUNIOR HIGH SCHOOL LABORATORIES

MADE IN JAPAN

"Monolux"®



*ANOTHER
 POPULAR
 HIGH SCHOOL
 MICROSCOPE*

6018

MONOCULAR TYPE MICROSCOPE

of superior quality and workmanship. An excellent microscope for school and college laboratories. Precision optics combined with a sturdy full-sized microscope, make it ideal for student use and demonstration. Heavy stand for perfect balance of microscope, baked enamel finish. All optical elements are standard size.

No objective lens will overhang the stage. The large horseshoe base serves also as a protection for the objectives, as well as stage.

Fixed 160 mm. tube.

Triple revolving nosepiece.

10x Wide Field Ocular, with pointer and set-screw. Can be removed for cleaning.

Automatic stop to prevent damage of slides.

Large square stage 115x110 mm.

Built-in condenser 0.65 N.A. to increase light efficiency.

Disc diaphragm with 5 apertures, numbered from 1 to 5, starting with the smallest aperture.

Rack and pinion motion coarse and fine adjustments, controlled by focusing wheels on both sides of the body.

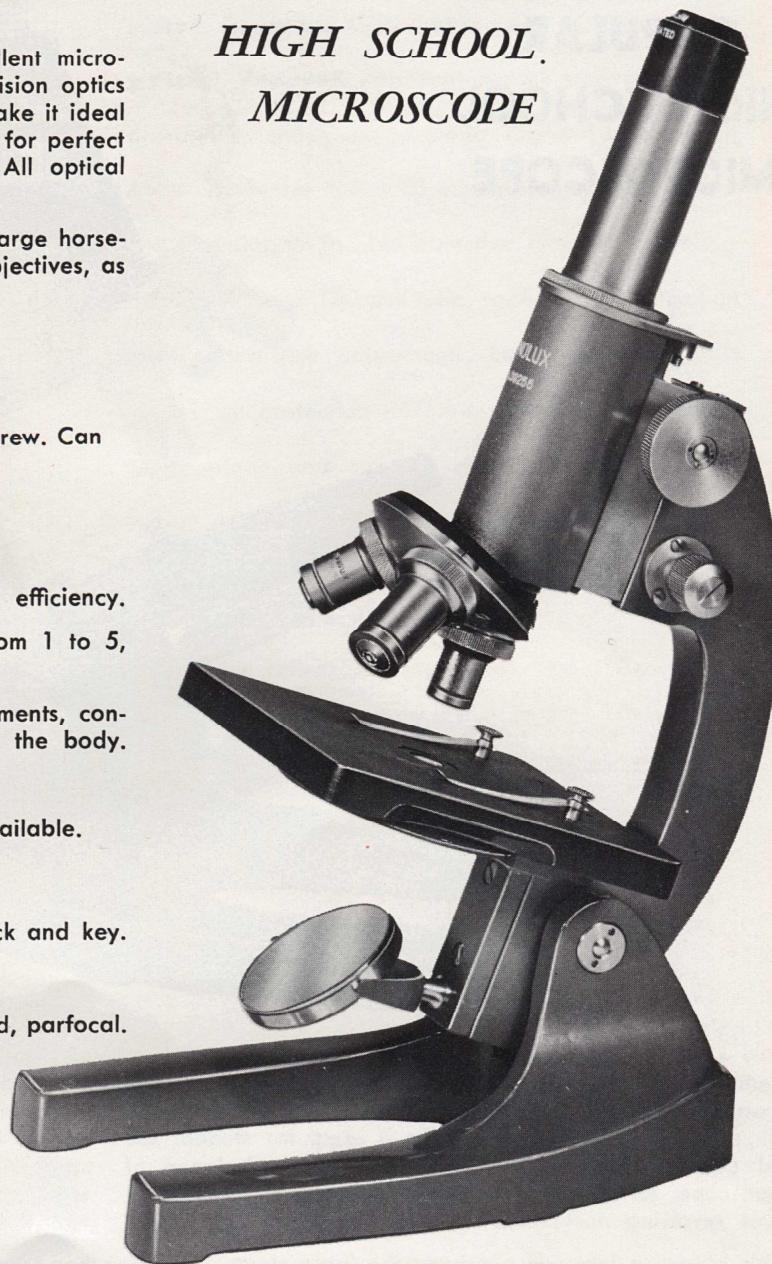
Plane and concave mirror.

Attachable Substage Lamp (model #6028) available.

Height 13".

Complete with fitted hardwood cabinet, with lock and key.

Three achromatic objectives: 5x 10x 40x—coated, parfocal. One wide field ocular: 10x WF Ocular.



EYE PIECE	Magnification Objectives			
	5x	10x	40x	
10x WF	50x	100x	400x	

Suggested List: \$75.50 ea.

The following accessories are available

6045 — Mechanical Stage
Suggested List \$20.75 ea.

6049 — 100x oil immersion lens with spring mount
Suggested List \$29.95 ea.

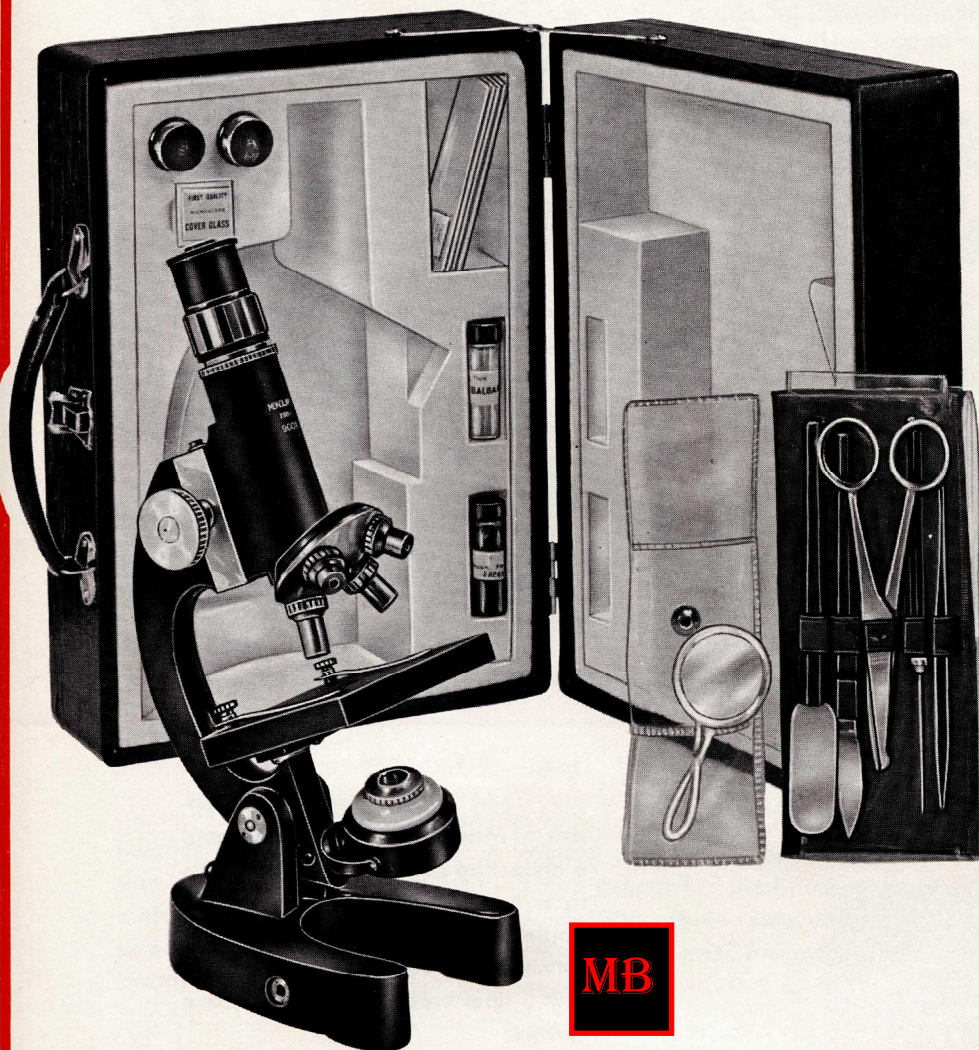
Z-O-O-M

MADE IN JAPAN

MICROSCOPE

WITH DISSECTING KIT
in fitted wooden carrying case

No. 6120



CONSISTING OF:

- 900X Microscope — all metal construction
- Zoom eyepiece 10x - 20x
- Height 9 1/2"
- Revolving quadruple nosepiece
- Four objectives, 5x - 12x - 20x - 45x
- Condenser lens in stage

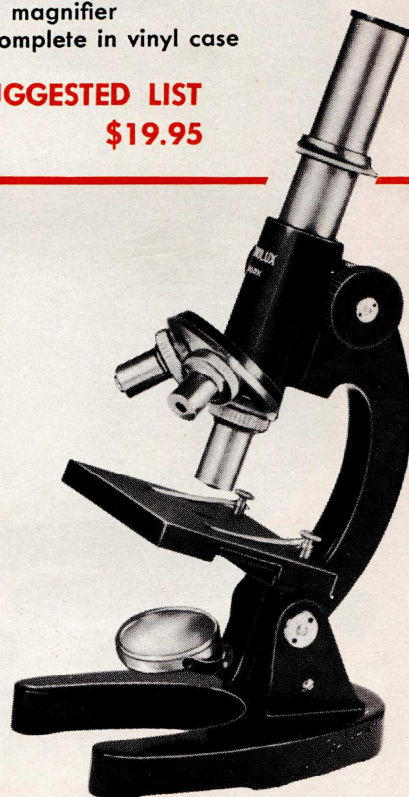
Substage illumination by plano mirror and lamp, which operates on standard pen size batteries or on AC electric current. (Transformer with connecting cord, available separately. To operate on electricity it is only necessary to insert plug of cord in socket in base, and other end of cord into electric outlet.)

- One bottle — mounting fluid "Canada Balsam"
- One bottle — basic fuchsin
- Two spare bottles
- 5 unprepared slides,
- 1 prepared slide and cover glasses

DISSECTING KIT CONTAINS:

- 1 forcep (tweezer)
- 1 dissecting needle
- 1 scissor
- 1 scalpel
- 1 spatula
- 1 magnifier
- complete in vinyl case

SUGGESTED LIST
\$19.95



6013 — A powerful instrument with simple controls. Dry system microscope of precision quality. Triple turret revolving nosepiece; magnifies 60x to 900x. Fixed tube, 160mm. Rack and pinion motion coarse focusing adjustment. Fixed square stage; rotating disc condenser diaphragm with 5 apertures. Plane and concave mirrors. Height 10 1/2". Complete with fitted wooden cabinet. Has automatic stop to prevent damage of slides.

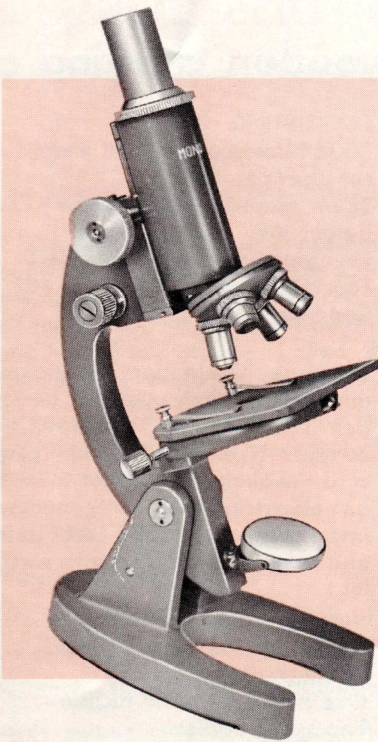
Optical combination: Three achromatic objectives — 5x, 10x, 60x, and two Huyghenian eyepieces, 10x and 15x. Standard size oculars.

Eye-piece	MAGNIFICATION Objective		
	5x	10x	60x
10x	50x	100x	600x
15x	75x	150x	900x

Suggested List \$55.00

HIGH SCHOOL AND JUNIOR COLLEGE
STUDENT MICROSCOPES

MADE IN JAPAN



6035—A precision top-grade microscope. All-metal construction. Optical elements are of the highest quality, giving brilliant, sharp images even at great magnifications.

Quadruple nosepiece with four achromatic (color-corrected) objectives, 10x, 20x, 30x and 60x, and three oculars of 5x, 10x and 15x, giving magnifications from 50x to 900x.

Equipped with movable stage

Body inclines to 90°. Rack and pinion coarse focusing, separate control fine adjustment. — Square stage; revolving condensing diaphragm disc with 5 apertures. Plane and concave mirrors. Height 10½". Complete with wooden carrying case.

Eye-piece	MAGNIFICATION			
	Objective			
	10x	20x	30x	60x
5x	50x	100x	150x	300x
10x	100x	200x	300x	600x
15x	150x	300x	450x	900x



Suggested List \$49.50



6038 —COMPLETE 1200x MICROSCOPE SET.

This complete set consists of Model 6035 microscope and a dissecting set. The microscope has rack and pinion coarse focusing, single control fine adjustment. Revolving disc condenser diaphragm with 5 apertures, plane and concave mirrors.

Quadruple nosepiece with four achromatic objectives, 10x, 20x, 30x and 60x, and four oculars of 5x,

Eye-piece	MAGNIFICATION			
	Objective			
	10x	20x	30x	60x
5x	50x	100x	150x	300x
10x	100x	200x	300x	600x
15x	150x	300x	450x	900x
20x	200x	400x	600x	1200x

Dissecting kit contains:

1 pair dissecting scissors, 1 spatula, 1 dissecting forceps (tweezers), 1 dissecting needle, 1 scalpel (dissecting knife), 1 hand magnifier, 10 blank specimen slides, 10 cover glasses, bottle of Balsam mounting cement.

Suggested List \$64.50

STUDENT MICROSCOPES

MADE IN JAPAN

FOR JUNIOR COLLEGE, HIGH SCHOOL AND JUNIOR HIGH SCHOOL LABORATORIES

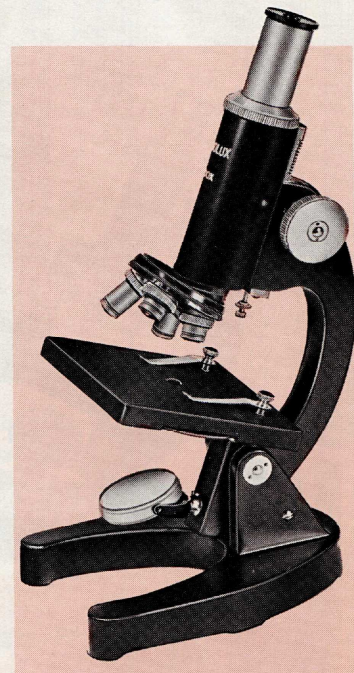
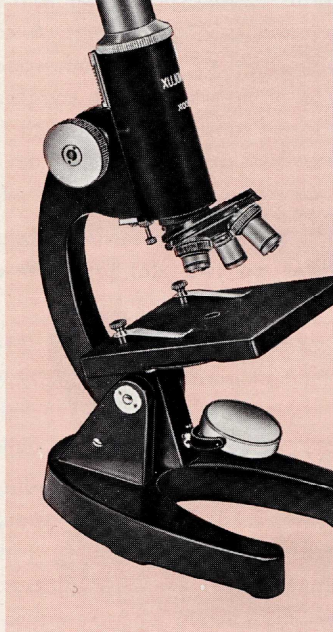
FOR JUNIOR HIGH SCHOOLS

These high quality, precision-built microscopes are designed for the laboratory and for the study of biology, botany, entomology, etc. They are of first grade optical performance and mechanical construction. Has stop to prevent damage of slides.

They are fitted with condensers consisting of revolving substage disks with 5 apertures. Bodies incline to 90°. Rack and pinion focusing. They both have tremendous ranges of magnifications. They have both plane and concave mirrors. Complete with fitted hard-wood carrying cases.

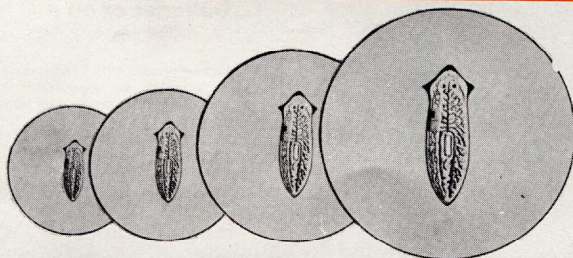
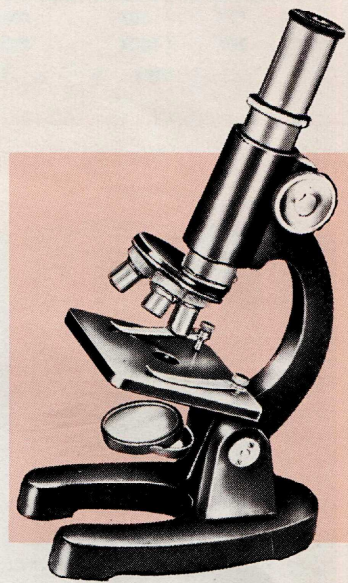
6012 — Revolving turret, with three objectives. Two oculars, 10x and 15x, yielding magnifications of 100x, 150x, 200x, 300x, 400x, 600x. **Suggested List \$29.95**

6034 — Revolving turret, with four objectives: 5x, 10x, 20x and 60x; three Huyghenian eyepieces: 5x, 10x, 15x. These combinations yield the following magnifications: 50x, 75x, 100x, 150x, 200x, 300x, 600x, 900x. **Suggested List \$34.50**



6010 — Precision-built 3-turret microscope for amateur home laboratories. A terrific value at a promotional price. All-metal construction, with rack and pinion focusing and adjustable plane substage mirror. Square stage. Body inclines to 90°. Three objectives for selecting 100x, 200x or 300x magnification. Images are clear and sharp. Complete in wooden carrying case. **Suggested List \$6.50**

MB



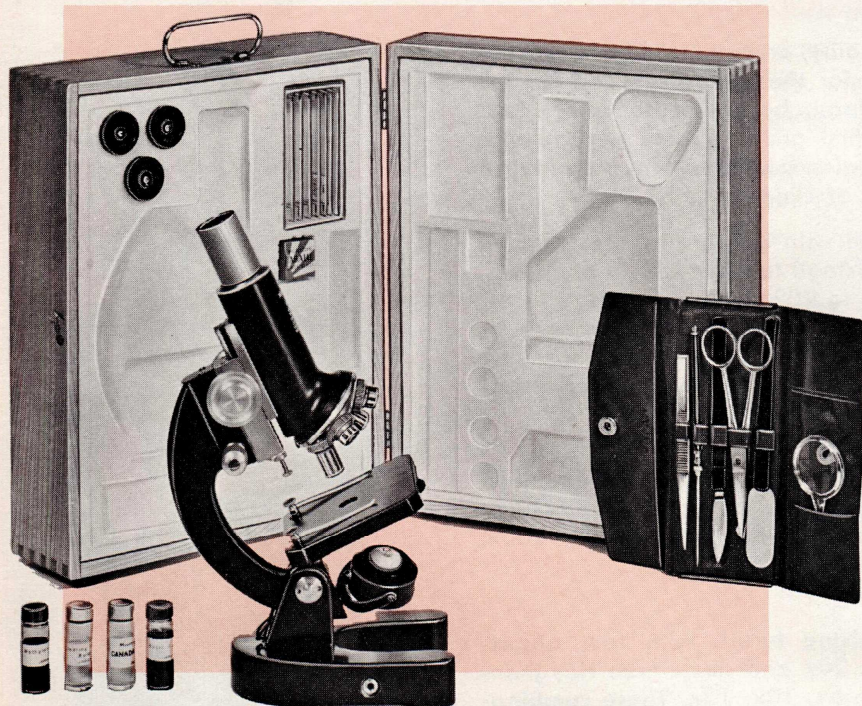
ZOOM-EYEPIECE

No. 6140 — This multiple (10x - 12x - 15x - 20x) eyepiece instantly converts all standard size microscopes into a zoom microscope. Simply by rotating the ocular collar a 40x objective can be zoomed 400x - 480x - 600x - 800x and all intermediary magnifications. Can be used with any achromatic objective 3.5x to 100x.

Suggested List \$ 19.95 ea.

MICROSCOPES

MADE IN JAPAN



6110 Complete Microscope Outfit with Dissecting Kit.

Consists of a powerful 1200X Microscope with fine focusing adjustment and a dissecting set. A complete field and laboratory kit in a fitted wooden carrying and storage cabinet lined with styrofoam. Microscope is quadruple nosepiece type, with four objectives, 5X, 20X, 30X and 60X. Three oculars 8X, 10X and 20X, all metal construction, 10" high.

Substage illumination by plane mirror and substage lamp, which operates on two standard pen-size batteries, or on A.C. electric current.

(Transformer with connecting cord (Model 6105) available separately. To operate on electricity it is only necessary to insert plug of cord in socket in base, and other end of cord into electric outlet.)

Dissecting kit consists of: 1 dissecting needle, 1 dissecting forceps (tweezers), 1 scalpel, 1 spatula, 1 surgical type scissors, 1 hand magnifier, 1 prepared slide, 15 blank slides, 25 cover glasses, 1 bottle Balsam mounting cement and 3 bottles of stain.

EYE PIECE	OBJECTIVES			
	5X	20X	30X	60X
10X	50X	200X	300X	600X
20X	100X	400X	600X	1200X

MB

Suggested List \$29.95 ea.

100x - 150x - 300x - 450x - 500x - 750x



6030 — Microscope and Dissecting Set. Consists of 750x Microscope and a complete dissecting set, all packed in fitted, hardwood carrying case. Microscope is of three way substage illumination. It is equipped with both a plane mirror and a substage lamp. Lamp operates on two standard pen-size batteries or on A.C. electric current.

(Transformer with connecting cord (Model 6105) available separately. To operate on electricity it is only necessary to insert plug of cord into socket in base, and other end of cord into electric outlet.)

Triple turret nosepiece has three objectives 10x, 30x, 50x and two oculars 10x and 15x giving magnifications of 100x, 150x, 300x, 450x, 500x, 750x.

Dissecting kit contains: 1 pair surgical type dissecting scissors, 1 spatula, 1 dissecting forceps (tweezers), 1 long handled dissecting needle, 1 scalpel, 1 hand magnifier, rack containing 6 specimen slides.

Suggested List \$15.50 ea.



No. 4438 — Another SCOPE of finest grade, superior optical performance and outstanding workmanship; complete with five eye-pieces 15x - 60x as specified. 60 m/m objective lens.

High quality optical glass ensure maximum light transmission. Rigid table - tripod with panhead.

Adjustable in height from 12½" to 18".

Suggested List \$82.95



SPECIFICATION:

MAGNIFICATION	15x	20x	30x	40x	60x
FIELD at 1000 YDS.	158 ft.	125 ft.	80 ft.	45 ft.	32 ft.
EXIT PUPIL	4 mm	3 mm	2 mm	1.5 mm	1 mm
RELATIVE BRIGHTNESS	16	9	4	2.3	1
RESOLVING POWER	3.68	3.5	2.95	2.95	2.21

