

15¢



SCIENCE NEWS LETTER

Vol. 50, No. 18

THE WEEKLY SUMMARY OF CURRENT SCIENCE • NOVEMBER 2, 1946



Right Straight Up!

See Page 279

A SCIENCE SERVICE PUBLICATION

1921

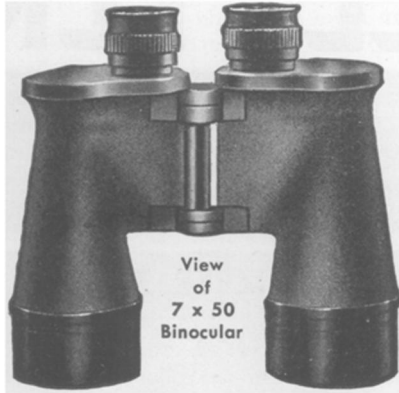
TWENTY-FIFTH ANNIVERSARY

1946

WAR BARGAINS in LENSES and PRISMS

NOW! MAKE YOUR OWN BINOCULARS!

COMPLETE SET OF LENSES AND PRISMS FROM NAVY'S 7 x 50 MODEL



SAVE UP TO \$150.00!

Here's an unusual opportunity to secure a fine set of Binoculars . . . at a tremendous saving of money. Build them yourself with all of the very same optics contained in the Navy's 7 Power Glasses . . . the Binoculars which received such wide acclaim during the war. If, however, you wish to construct a Monocular (1/2 a Binocular) you may do so. Monocular Sets comprise 1/2 quantities of the same optics required for the Binocular. The full Binocular Set comprises the following:—2 Cemented Achromatic Eye Piece Lenses, 17.5 mms. diam.; 2 Eye Field Lenses; 4 Porro Prisms; 2 Cemented Achromatic Objective Lenses, diam. 52 mms. All Lenses have the new low reflection coating. Complete assembly directions included.

Stock #5102-Q Binocular Set of Lenses and Prisms \$25.00 Postpaid
 Stock #5103-Q Monocular set of Lenses and Prisms \$12.50 Postpaid

CARRYING CASE WITH STRAPS FOR 7 x 50 BINOCULARS—Modern synthetic rubber construction—brand new—a regular \$12.00 value. Stock #44-Q (Price includes tax)—\$4.80 Postpaid

SPECIALS IN LENS SETS

Set #1-Q—"Our Advertising Special"—15 lenses for \$1.60 Postpaid, plus 10-page idea booklet. For copying, **ULTRA CLOSE-UP SHOTS**, macrophotography, experimental optics, magnifying and for making a two power f/16 Telephoto Lens, "Dummy Camera," Kodachrome Viewer, DETACHABLE REFLEX VIEWFINDER for 35 mm. cameras, stereoscopic viewer, ground glass and enlarging focusing aids, **TELESCOPES**, low power Microscopes and for many other uses.

NEW 50-PAGE IDEA BOOK "FUN WITH CHIPPED EDGE LENSES"

Contains wide variety of projects and fully covers the fascinating uses of all Lenses in set listed above . . . only \$1.00 Postpaid.

SPECTROSCOPE SETS . . . These sets contain all Lenses and Prisms you need to make a Spectroscope plus FREE 15-page Instruction Booklet.

Stock #1500-Q Hand Type Spectroscope \$3.45 Postpaid
 Stock #1501-Q Laboratory Type Spectroscope \$6.50 Postpaid

MOUNTED PROJECTION LENS

A mounted f 2.1; 3.5 inch F.L. Projection Lens mfgd. on a Navy contract to be used on a 35 mm. Projector. Low reflection coated. Perfect condition. Black finish threaded at rear end. Outside diam. approx. 2 inches. Stock #4031-Q \$12.00 Postpaid

ACHROMATIC TELESCOPE OBJECTIVE LENSES—Cemented—Diam. 52 mm., F.L. 8 1/2 inches. Slight seconds.

Stock #6188-Q \$3.50 Postpaid

RIGHT ANGLE PRISM—Flint Optical Glass, size 41 mm. by 91 mm. by 64 mm. Use in front of camera Lens to take pictures to right or left while pointing camera straight ahead. Also used in front of camera Lens to reverse image in direct positive work. Two of these Prisms will make an erecting system for a Telescope.

Stock #3076-Q \$3.00 Postpaid

WE HAVE LITERALLY MILLIONS OF WAR SURPLUS LENSES AND PRISMS FOR SALE AT BARGAIN PRICES. WRITE FOR CATALOG "Q"—SENT FREE!

RAW OPTICAL GLASS—An exceptional opportunity to secure a large variety of optical pieces, both Crown and Flint glass (seconds) in varying stages of processing. Many prism blanks.

Stock #703-Q 8 lbs. (Minimum weight) \$5.00 Postpaid

Stock #702-Q 1 1/2 lbs. \$1.00 Postpaid

MAGNIFIER SET—5 magnifying Lenses—Powers from 1 to 10.

Stock #1026-Q \$2.00 Postpaid

RETICLE SET—5 assorted, engraved reticles from U. S. Gunights.

Stock #2035-Q \$1.00 Postpaid

ACHROMATIC LENSES

Stock No.	Dia. in mms.	F.L. in mms.	Price
6158-Q*	18	80	
6162-Q	25	122	1.25
6164-Q*	26	104	.80
6168-Q	29	76	1.25
6171-Q	32	171	1.00
6173-Q*	34	65	1.00
6176-Q*	38	131	1.00
6177-Q*	39	63	1.10
6178-Q*	45	189	1.50
6179-Q*	46	78	1.25
6182-Q	27	51	1.25
6183-Q	44	189	2.50

* ASTERISKED ITEMS are uncemented, but FREE cement and Directions included with uncemented sets.

USES—Use these Lenses for making Projecting Lenses, Low Power Microscope Objectives, corrected Magnifiers, substitute enlarging Lenses, Eye-Piece Lenses, Macrophotography, Gadgets, Optical Instruments, etc., etc.

MISCELLANEOUS ITEMS

Stock No.	Item	Price
3006-Q	Porro Abbe Prism	\$0.25 each
2024-Q	10 Pieces Circular A-1 Plate Glass (Dia. 31 mm.—for making filter)	.25
3021-Q	Amici Roof Prism (3rd grade)	.25 each
523-Q	Six Threaded Metal Reticle Cells	.25
624-Q	Neutral Ray Filter size 4 1/4" x 2 1/2"	.25
3022-Q	Round Wedge 65 mm. dia.	5.00 each
16-Q	Level Vial, 48 mm. long	.20 each
1040-Q	6 Power Magnifier—diam. 25 mm.	.25 each
2036-Q	Standard Crossline Reticle—dia. 29 mm.	.50 each
1034-Q	Burning Glass Lens	.25 each
535-Q	Small First Surface Mirror	.30
3003-Q	Amici Roof Prism with Corrected Roof	2.50
633-Q	2 Combination Polarizing and Infra-Red Filters, diam. 20 mm.	.50

(Minimum Order on Above—\$1.00)
NEW PROJECT BOOK—HOMEBUILT RIFLE-SCOPES—30c Postpaid. List of available Riflescope Lenses sent FREE with book.

PRISMS

Stock No.	Type	Base Width	Base Length	Price
3040-Q	Right Angle	33 mms.	23 mms.	\$ 1.25
3053-Q	Right Angle	70 mms.	168 mms.	3.00
3001-Q	Lens Surface	20 mms.	14 mms.	2.00
3006-Q	Porro-Abbe	9 mms.	9 mms.	.25
3009-Q	Porro	52 mms.	25 mms.	1.00
3029-Q	Dove	16 mms.	65 mms.	1.25
3036-Q	80 Degree Roof	60 mms.	36 mms.	4.00
3038-Q	Roof Prism	18 mms.	34 mms.	2.50

All items finely Ground and Polished, some Edges Slightly Chipped or Other Slight Imperfections Which We Guarantee Will Not Interfere with Their Use. Come Neatly Packed and Marked.

TO KEEP POSTED on all our new Optical Items, send 10c and your name and address to get on our regular "Flash" mailing list.

GIANT SIZE RED AND AMBER FILTERS

Filter material is cemented between glass. All 3/8" thick.

Stock #	Color	Diam.	Price
706-Q	Red	7 7/8"	\$2.00
707-Q	Red	5 7/8"	1.50
708-Q	Amber	7 7/8"	1.50
709-Q	Amber	5 7/8"	1.00

USES: For large camera filters, for large size spotlights, for darkroom lights (spectroscopically tested), for interior decorating, for display tray in home or store.

35 MM KODACHROME PROJECTING LENS SET—Consists of 2 Achromatic Lenses for projecting, plus 2 Condensing Lenses and a piece of Heat Absorbing Glass with directions.

Stock #4029-Q \$3.10 Postpaid

35 MM. KODACHROME PROJECTING LENS SET—Consists of Achromatic Lens for projecting, plus a Condensing Lens and a piece of Heat Absorbing Glass with directions.

Stock #4025-Q \$1.95 Postpaid

BATTERY COMMANDER'S TELESCOPE, MODEL BC-65—Complete with Tripods—10 power. New, in perfect operating condition. A Binocular type instrument. Government cost approx. \$1300.00.

Stock #900-Q \$245.00 Postpaid

AIR FORCES GUN SIGHT

With Polarizing Variable Density Attachment. Can be used as Slide Viewer, or take it apart and you can get polarizing variable Density Attachment, Mangin Concave Mirror, Reflector Plate, Metal Reticle, Window, Lamp Housing, Ring and Bead Sight. The Polarizing attachment alone is worth many times the price of entire unit. Consists of 2 Polarizing Filters

mounted with small handle which rotates one around the other. May be used in Photography, Research, Experiments, as Light Dimmer, etc.

Stock #908-Q \$5.00 Postpaid

Same Unit Without Polarizing Attachment

Stock #916-Q \$2.50 Postpaid

BOMBER SIGHTING STATION—A double end Periscope Type Instrument of highest precision. 6 ft. tall, shipping wt. 360 lbs. Orig. cost \$9,850. Consists of numerous Lenses, Prisms, Mirrors, Gears, Motors, Metal Parts and Electrical Gadgets.

Stock #914-Q \$50 F.O.B. Oklahoma

PRISM TELESCOPE—All the Lenses You Need to build your own 20 power Telescope! No mounts. Has wide field of view.

Stock #5012-Q \$7.25 Postpaid

TANK PRISMS—PLAIN OR SILVERED

Stock No.	Item	Price
90-45-45 deg. 5 3/4" long, 2 1/4" wide, finely ground and polished		
3004-Q	Silvered Prism (Perfect)	\$2.00 Postpaid
3005-Q	Plain Prism (Perfect)	\$2.00 Postpaid
3100-Q	Silvered Prism (Second)	\$1.00 Postpaid
3101-Q	Plain Prism (Second)	\$1.00 Postpaid

(Illustrated Book on Prisms included FREE)

ORDER BY SET OR STOCK NO.

SATISFACTION GUARANTEED

IMMEDIATE DELIVERY

EDMUND SALVAGE COMPANY, P. O. Audubon, New Jersey