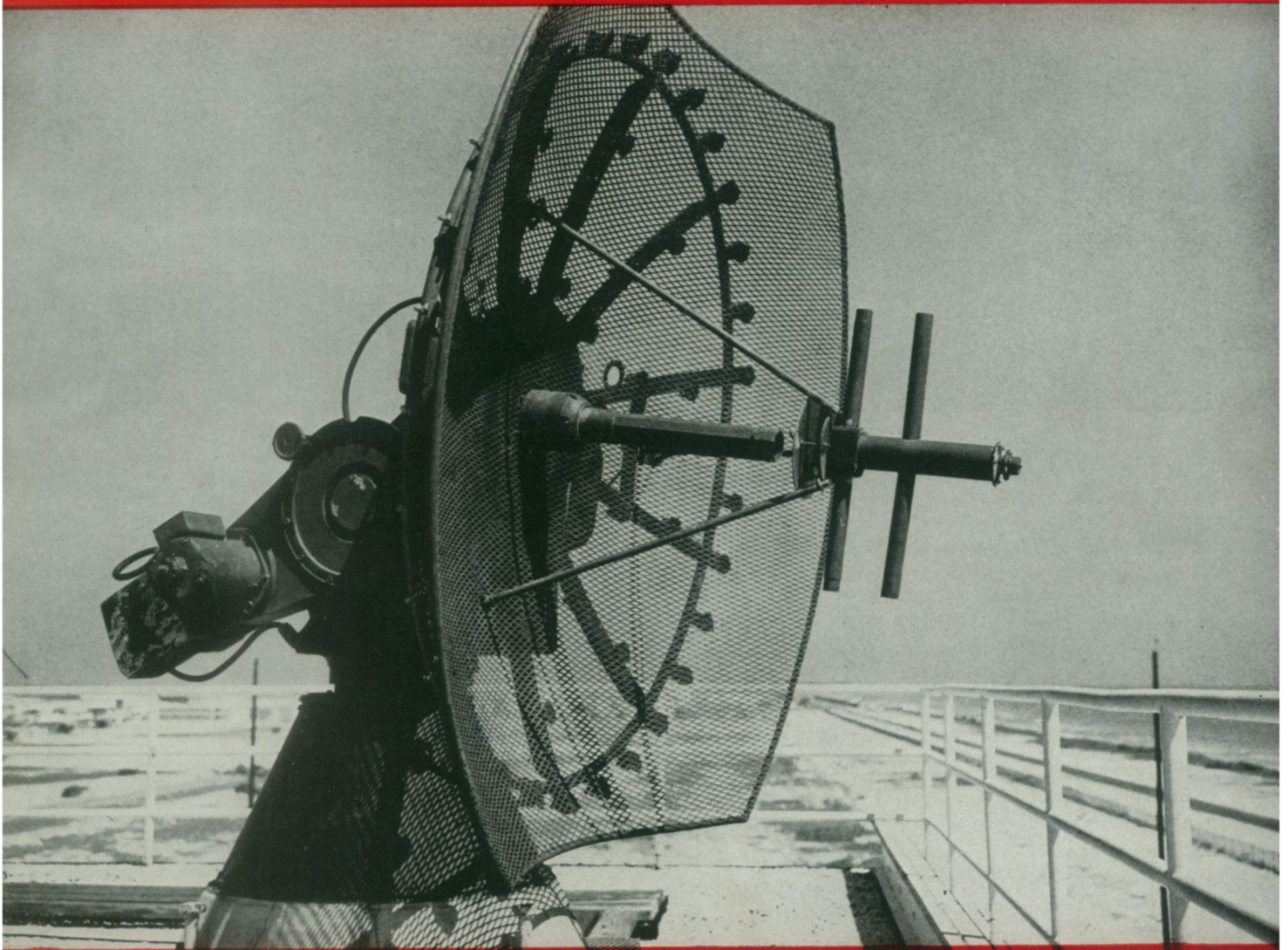


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SCIENCE NEWS LETTER

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Safe Landings

See Page 261

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1921

TWENTY-FIFTH ANNIVERSARY

1946



FM radio receivers are more static-free and less costly—thanks to research at RCA Laboratories.

NEW FM - noiseless as the inside of a vacuum tube!

Now, FM, or Frequency Modulation reception, provides still greater freedom from static and interference caused by storms, ignition systems, oil burners, and domestic appliances.

It's radio at its finest—making your living room a part of the concert hall itself. You've no idea of how marvelous music can sound over the radio until you hear the golden perfection of FM reception developed by RCA.

Moreover, through this new RCA development, FM receivers can be made at a cost comparable to that of standard-band broadcast receivers. FM

is no longer expensive! "Better things at lower cost" is one of the purposes of RCA Laboratories—where similar research is constantly going into all RCA products.

And when you buy anything bearing the RCA Victor name—from a television receiver to a radio tube replacement—you know you are getting one of the finest instruments of its kind that science has yet achieved.

Radio Corporation of America, RCA Building, Radio City, New York 20. Listen to The RCA Victor Show, Sundays, 4:30 P.M., Eastern Standard Time, over the NBC Network.



Stuart William Seeley, Manager of the Industry Service Laboratory, RCA Laboratories Division, perfected this new FM circuit. It not only operates equally effectively with strong or weak stations, but lowers the cost of receivers by eliminating additional tubes and parts that were formerly considered necessary in Frequency Modulation receivers.



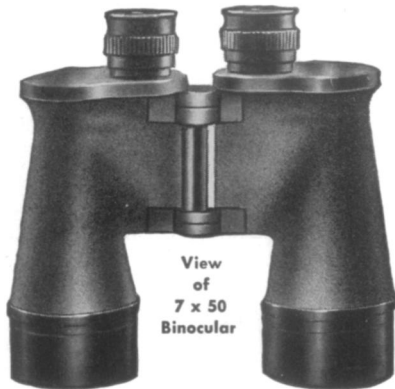
RADIO CORPORATION of AMERICA

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!



WE NOW HAVE SOME METAL PARTS AND BODIES FOR NAVY'S 7x50 BINOCULAR. COMPLETE DETAILS SENT WITH ALL ORDERS FOR SETS SHOWN TO RIGHT OR UPON REQUEST.

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. Depending on your choice, you may buy a near perfect set of Lenses and Prisms for the Binocular construction job, or a set of seconds (exactly the same units, but Lenses are uncemented and have some imperfections). If, however, you wish to construct a Monocular (½ a Binocular) you may do so, choosing either near perfect components or seconds. The Monocular Sets comprise ½ quantities of the same optics required for the Binocular. The full near perfect 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. Complete assembly directions included, but no metal parts.

- Stock #5102-Q Near Perfect Binocular Set ----- \$25.00 Postpaid
- Stock #5103-Q Near Perfect Monocular Set ----- \$12.50 Postpaid
- Stock #5105-Q Seconds for Binoculars ----- \$11.00 Postpaid
- Stock #5104-Q Seconds for Monocular ----- \$ 5.50 Postpaid

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.

OPTICS FROM 4-POWER PANORAMIC TELESCOPE—Excellent condition. Consists of Objective Prism, Dove Prism, Achromatic Objective Lens, Amici Roof Prism, Eye Lens Set (. . . a \$60.00 value)

Stock #5016-Q-----\$6.00 Postpaid

MICROSCOPE SETS

Consisting of two Achromatic Lenses and two Convex Eye Piece Lenses which you can use to make a 40 Power Pocket Microscope, or 140 Power Regular Size Microscope. These color corrected Lenses will give you excellent definition.

Stock #1052-Q----- \$3.00 Postpaid

Consisting of Prism, Mirror and Condensing Lens. These used together with Stock #1052-Q will make an excellent Micro-projector enabling you to get screen magnification of 400 to 1000 Power according to screen distance.

Stock #1038-Q-----\$2.00 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

BIG DOUBLE CONVEX LENSES—74 mm. diam., 99 mm. F.L. Weighs 9 oz. Made of borosilicate Crown Optical Glass. Used as spotlight Lens, Condensing Lens, etc.

Stock #1048-Q-----\$1.50 Postpaid

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 3/4" x 2 1/4"	.25
3022-Q	Round Wedge 65 mm. dia.	5.00 each
16-Q	Level Vial, 48 mm. long	.20 each
1031-Q	6 Power Magnifier—diam. 28 mm.	.25 each
2043-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	Combination Polarizing and Infra-Red Filters, diam. 20 mm.	.50

(Minimum Order on Above—\$1.00)

TANK PRISMS—PLAIN OR SILVERED

90-45-45 deg. 5 3/4" long, 2 1/4" wide, finely ground and polished

Stock No.	Item	Price
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)

TANK PERISCOPE

Complete Set Mounted Components Rugged, strong, originally constructed for U. S. Tank Corps. Consists of 2 fine Periscope Mirrors mounted in metal and plastic. Perfect condition. Would normally retail at \$40 to \$50. Stock #700-Q. \$2.00 Complete Set 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 and in sets listed above . . . only \$1.00 Postpaid.

SECONDS IN PLANO-CONVEX CONDENSING LENSES

- Stock #1061-Q Diam. 6 1/2", F.L. 9" ----- \$2.00 each Postpaid
- Stock #1068-Q Diam 4 7/16" F.L. 6 1/2" ----- 70c each Postpaid

We have a large supply of other seconds in Condensing Lenses for Spotlights and Enlargers—diam. from 3 1/2" to 6 1/2"—priced very low. Write for list!

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

LENS CLEANING TISSUE—In spite of paper shortage, we offer an exceptional bargain in first quality Lens Cleaning Tissue. You get 3 to 4 times as much tissue as when you buy in the ordinary small booklets. One ream—480 sheets—size 7 3/4" x 10 3/4".

Stock #704-Q ----- \$1.50 Postpaid

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. Gunsights.

Stock #2025-Q ----- \$1.00 Postpaid

ACHROMATIC LENSES

Stock No.	Dia. in mms.	F.L. in mms.	Price
6158-Q*	18	80	\$1.00
6161-Q	24	48	1.25
6162-Q	25	122	1.25
6164-Q*	26	104	.80
6166-Q	29	54	1.25
6168-Q	29	76	1.25
6169-Q	31	122	1.50
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

* 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.

ALL THE LENSES YOU NEED TO MAKE YOUR OWN TELESCOPE! ALL ARE ACHROMATIC LENSES

GALILEAN TYPE—Simplest to Make but has Narrow Field of View.

- Stock #5018-Q—4 Power Telescope ----- \$1.25 Postpaid
- Stock #5004-Q—Small 2 Power Pocket Scope ----- \$1.00 Postpaid

PRISM TELESCOPES—Use Prism instead of Lenses to Erect Image. Have wide field of view.

- Stock #5012-Q—20 Power Telescope ----- \$7.25 Postpaid
- WE HAVE LITERALLY MILLIONS OF WAR SURPLUS LENSES AND PRISMS FOR SALE AT BARGAIN PRICES. WRITE FOR CATALOG "Q"—SENT FREE!

PRISMS

Stock No.	Type	Base Width	Base Length	Price
3040-Q	Right Angle	33 mms.	23 mms.	\$ 1.00
3045-Q	Right Angle	70 mms.	168 mms.	4.00
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
3047-Q	Right Angle	58 mms.	108 mms.	4.00
3038-Q	Roof Prism	18 mms.	34 mms.	2.50

ORDER BY SET OR STOCK NO.

SATISFACTION GUARANTEED

IMMEDIATE DELIVERY

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