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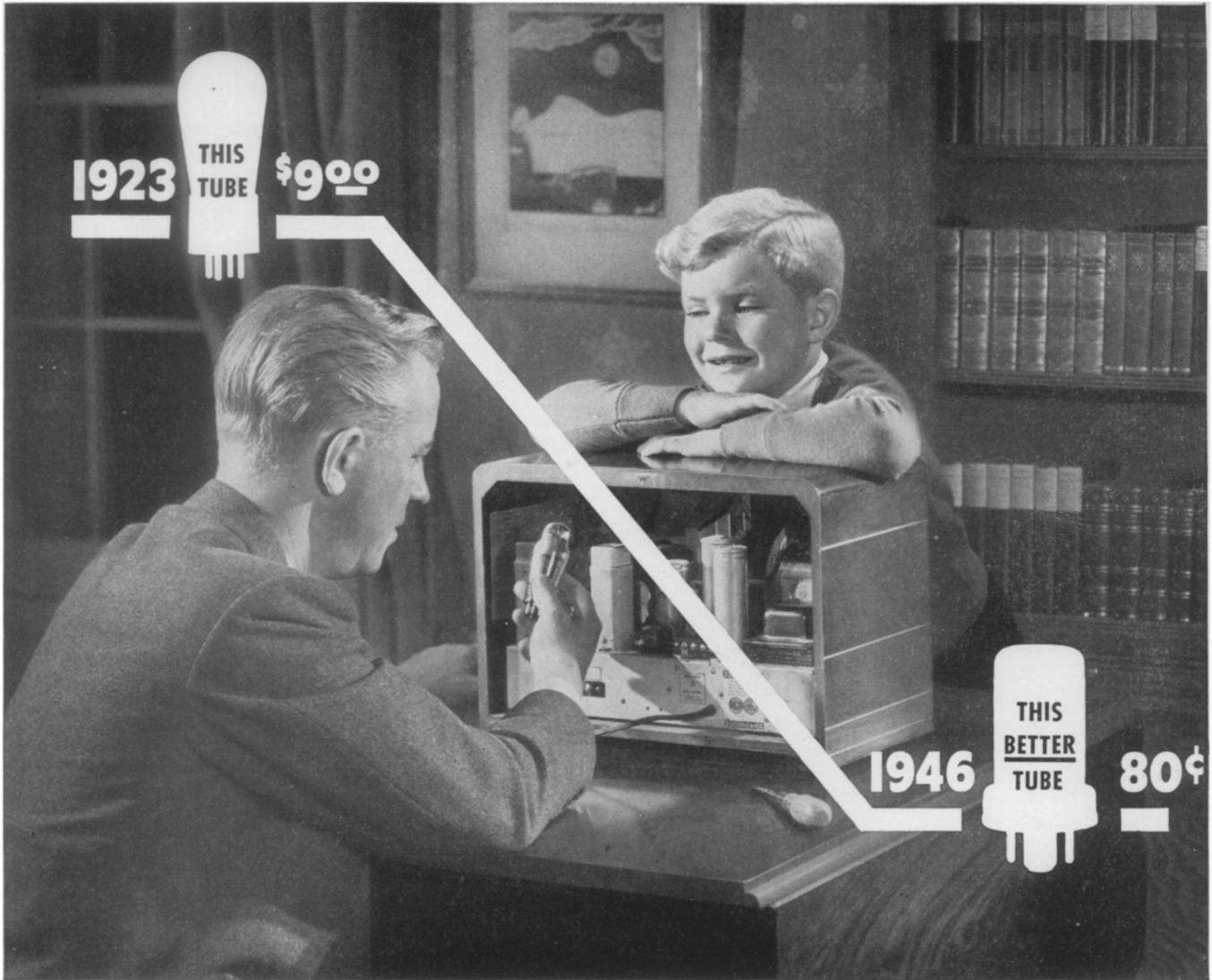
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE • JANUARY 26, 1946



The "Snake"
See Page 52

A SCIENCE SERVICE PUBLICATION



TODAY - A complete radio set for less than half the cost of the tubes alone in 1923!

• Today you can buy a six-tube table model radio for about \$25. A little over twenty years ago the six tubes alone cost \$54—*nine dollars apiece*.

Think of it—from \$9 to 80¢. You can buy *eleven* of these more powerful, longer-lasting radio tubes today for what you used to pay for only *one*!

This was brought about through RCA's combination of research, engineering skill, manufacturing efficiency and our American philosophy of making something *better—for less*.

Such progress means far more than simply a saving of \$8.20 on every radio tube. It means that radio has been

brought within the easy reach of practically everyone in this country.

There are now *fifty million* more radios in America than there were twenty years ago. Almost everyone depends upon broadcasting in some measure for entertainment, news, education.

Research and pioneering at RCA Laboratories contributed many of the scientific advances that so greatly improved and extended the services of radio to the American people.

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



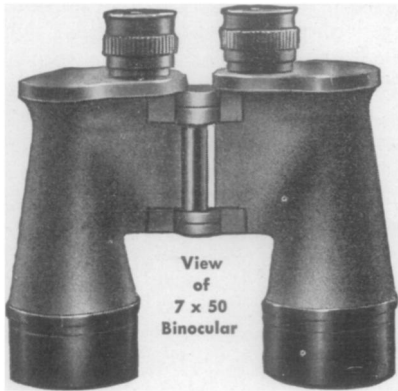
The new 1946 RCA Victor Table Model (56X) costing about \$25. With our civilian production increasing, you can again look to RCA for the finest instruments of their kind that science has yet achieved. The principle of making it better—for less—applies to RCA Victor radios, television sets, Victrola radio-phonographs . . . every product bearing the RCA label.



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!

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 (no metal parts) 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 perfect set of Lenses and Prisms for the Binocular construction job, or a set of seconds (exactly the same units, but Lenses are uncented and have slight imperfections). If, however, you wish to construct a Monocular (1/2 a Binocular) you may do so, choosing either perfect components or seconds. The 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 mm. diam.; 2 Eye Field Lenses; 4 Porro Prisms; 2 Cemented Achromatic Objective Lenses, diam. 52 mms. Complete assembly directions included.

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

**REMARKABLE VALUE!
\$141.01 WORTH OF PERFECT LENSES FOR ONLY \$10.00**

Complete System from Artillery Scope (5X) . . . 9 Lenses, low reflection coated, **ABSOLUTELY PERFECT**. Diameters range from 1 1/3 inches to 2 1/5 inches. Used for making Telescope and hundreds of other uses.

Stock # 5019-Q ----- **\$10.00** 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 Spectro- scope ----- **\$3.45** Postpaid
Stock #1501-Q Laboratory Type Spectro- scope ----- **\$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

CLEANING BRUSH SET—12" flexible, plastic, hollow handle, circular construction. 4 brushes to set, range stiff to soft. Stock #504-Q (Reg. \$6.00 value) ----- **Price \$1.00**

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 # 2035-Q ----- **\$1.00** Postpaid

ACHROMATIC LENSES

Stock No.	Dia. in mms.	F.L. in mms.	Price
6158-Q*	13	80	\$1.00
6159-Q	23	51	1.25
6161-Q	24	48	1.25
6162-Q	25	122	1.25
6164-Q*	26	104	.80
6165-Q	27	185	1.00
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 uncented, but **FREE** cement and Directions included with uncented 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
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 # 5010-Q—6 Power Telescope ----- **\$3.00** Postpaid
5012-Q—20 Power Telescope ----- **\$7.25** Postpaid

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.	8.00
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
3010-Q	Porro	43 mms.	21 mms.	.50
3016-Q	Pentagon	45 mms.	22 mms.	.75
3029-Q	Dove	16 mms.	65 mms.	1.25
3036-Q	80 Degree Roof	60 mms.	36 mms.	4.00
3049-Q	Right Angle	69 mms.	187 mms.	10.00
3047-Q	Right Angle	53 mms.	103 mms.	4.00
3038-Q	Roof Prism	18 mms.	34 mms.	2.50

All items Finely Ground and Polished but 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 LENS—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

BIG DOUBLE CONCAVE LENS—74 mm. diam., 110 mm. F.L. Made of extra dense Flint. Used as reducing Lens, for trick photography, etc.
Stock # 1049-Q ----- **\$1.00** Postpaid

TELESCOPE EYE PIECE SET—Consists of perfect Eye Lens Set from a Govt. Telescope. Diam. 1 inch, Focal Length 1 inch.
Stock # 6144-Q ----- **\$1.00** 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

16 MM. PROJECTING LENS SET—Consists of 2 Fluoride coated cemented Achromatic Lenses, 1 inch diam. with combined F.L. of 2 inches.
Stock # 4024-Q ----- **\$1.70** Postpaid

MISCELLANEOUS ITEMS

Stock No.	Price
2024-Q—10 Pieces Circular A-1 Plate Glass (Dia. 31 mm.—for making filter) -----	\$ 25
523-Q—Six Threaded Metal Reticle cells -----	.25
624-Q—Neutral Ray Filter size 4 3/4" x 2 1/2" -----	.25
22-Q—Inclinometer—aircraft type -----	.25

TANK PRISMS

Plain or Silvered Tank Prism: 90-45-45 deg. 5 3/4" long, 2 1/2" wide, finely ground and polished. Would normally retail from \$24 to \$30 each. Stock # 3005-Q (Plain Prism) or Stock # 3004-Q (Silvered). **\$2.00** each Postpaid. **FOUR TANK PRISMS (Special)**. **\$7.00** Postpaid.

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.

ORDER BY SET OR STOCK NO.

• SATISFACTION GUARANTEED

• IMMEDIATE DELIVERY

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