

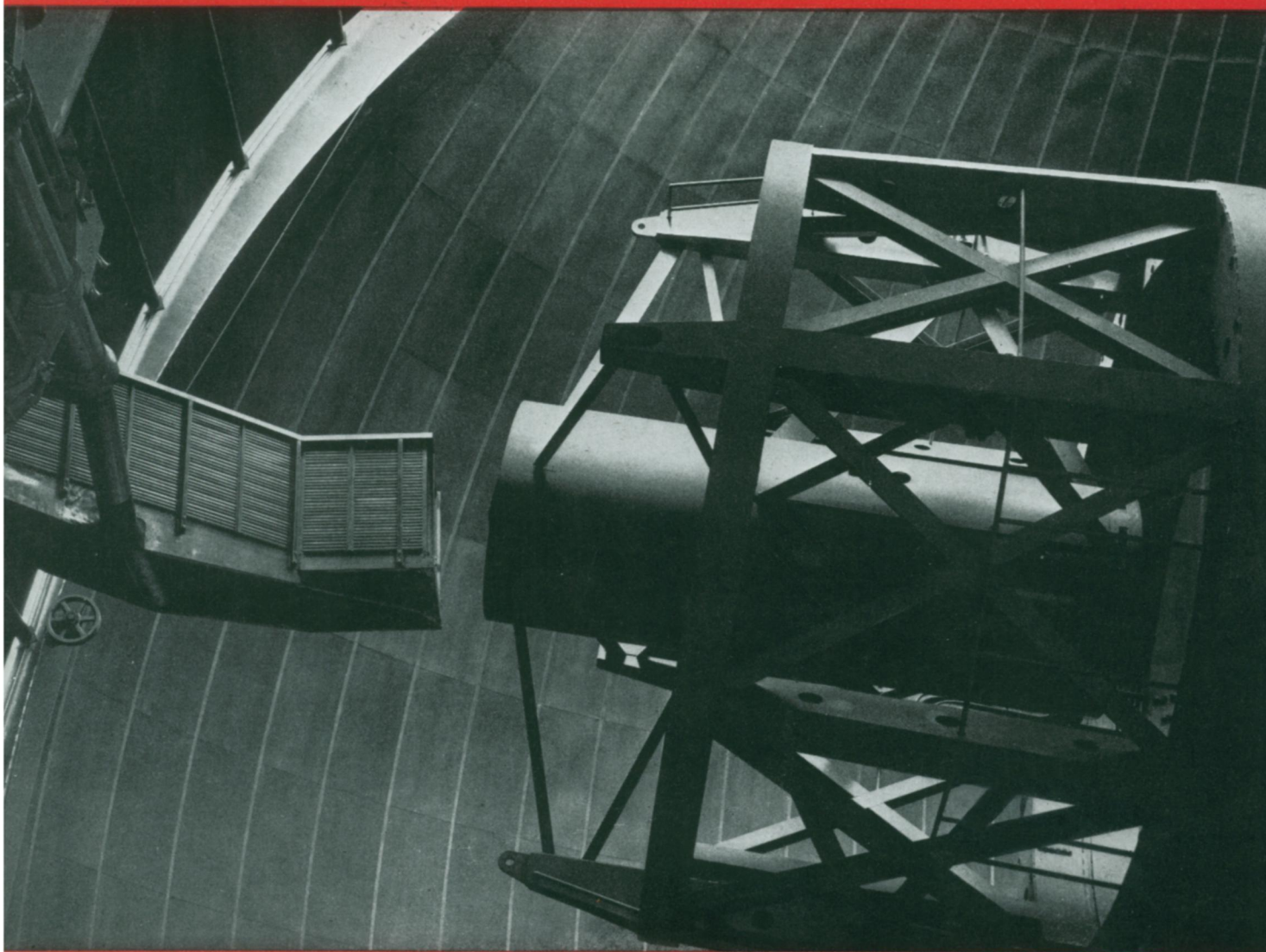
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SCIENCE NEWS LETTER

Vol. 53, No. 14

THE WEEKLY SUMMARY OF CURRENT SCIENCE • APRIL 3, 1948



"Big Eye" of Palomar

See Page 218

A SCIENCE SERVICE PUBLICATION

RECEIVE THESE NEW 1948 SCIENTIFIC MICROSCOPES FREE!

YOUNG SCIENTISTS!

425 POWER 19 LENS MICROSCOPE!

This fine achromatic 9" high microscope magnifies 60, 150, and 425 diameters! Its superb optical system contains 19 powerful lenses and micro-fine focusing, providing clear high-power magnification and crisp detail. Modern streamlined design. Precision built, with large solid base and tilting stand. Adjustable mirror beneath stage illuminates object under best possible light. Automatic self-levelling turret offers choice of medium, high, and very high powers. Complete with 36 page illustrated manual, glass slides, and cover glasses. Microscope comes in beautiful 10 1/2" high carrying case. Yours for Only 200 lbs. Old Clothes!

150 POWER 17 LENS MICROSCOPE!

This fine microscope is similar to above model, but with 60, 90, and 150 powers incl illus manual, slides, cover glasses. Attractive carrying case. YOURS FOR ONLY 150 LBS OF OLD CLOTHES!

IDEAL FOR STUDENTS, TECHNICIANS, AND RESEARCH WORKERS

AUTOMATIC SELF-LEVELLING TURRET

COMPLETE WITH ILLUSTRATED MANUAL, SLIDES, COVER GLASSES

COMES IN ATTRACTIVE CARRYING CASE

Largest Manufacturer of student microscopes in the world.



RACK & GEAR ADJUSTMENT

FOCUSING ADJUSTMENT KNOB

OPTICALLY GROUND LENS SYSTEM

60-150-425 POWERS

ADJUSTABLE STAND TILTS TO ALL DIRECTIONS

REMOVABLE MIRROR ON UNIVERSAL JOINT

FREE!
Everyone Receives MICROSCOPE!

425 POWER SCIENTIFIC MICROSCOPE

Developed To Laboratory Standards!

SEND IN OLD CLOTHES THIS EASY WAY AND RECEIVE 425-POWER MICROSCOPE FREE!

IT'S EASY! IT'S SIMPLE! GATHER OLD CLOTHES FROM YOUR ATTIC AND CELLAR AND FROM FRIENDS AND NEIGHBORS

SEND IN OLD CLOTHES AND RECEIVE FREE THIS 425-POWER MICROSCOPE!

1. Choose the model Microscope you want. (e.g., the 425 Power Microscope or the 150 Power Microscope.)
2. Underneath the Microscope you've chosen is shown the amount of old clothes and rags you should send. Gather together this amount of clothes from your attic or cellar, and from friends and relatives.
3. Any old clothes or rags will do, regardless of age or condition, except shoes, socks, raincoats, and lumber jackets.
4. To be acceptable, rags must be cotton, and clean, and not smaller than the size of a handkerchief.
5. Put clothes in box or tie neatly with rope into bundle. Write your name and address clearly on bundle or box, and address shipment to GIBSON-PAGE COMPANY, INC., 6 North Street, Rochester 4, N. Y.
6. Take bundle to railroad station and ship by freight collect. We'll pay the freight. (Do not use express.) That's all you do.
7. Send Coupon TODAY, so that we can get YOUR Scientific Microscope ready for you. Then—as soon as your bundle arrives—we can send you your microscope RIGHT AWAY! Join the thousands of young scientists who have already received these fine microscopes!

THIS OFFER IS AVAILABLE BOTH TO CLUBS AND INDIVIDUALS

This offer is made for advertising purposes. After you receive your microscope, we would like you to send us a letter, describing some of the unusual experiments you have done with the microscope.

SCIENCE CLUB MEMBERS! Here's Your Chance to get FREE This Scientific Microscope for Your Club!

Tell all the members of your Science Club about this sensational offer! Make a project of it! Have each member bring just a few old clothes to the next club meeting, and—before you know it—you'll have gathered enough clothes to secure a 425 Power Microscope or 150 Power Microscope FREE for your club! Tie all the old clothes neatly together into one bundle and send to GIBSON-PAGE CO., INC., right away. Tell us which microscope your club wants, by filling out the coupon at right and mailing it TODAY.

SEND IN COUPON TODAY

GIBSON-PAGE COMPANY, INC.
6 North Street, Rochester 4, N. Y.

Please get my 150 Power Microscope 425 Power Microscope ready for me. (Check model you want.) I will send _____ pounds of old clothes to you within _____ days. (If this is Science Club project, indicate total weight of clothes to be sent in by club, and show club address below.)

Name _____

Street Address _____

City _____ State _____

WAR SURPLUS OPTICAL BARGAINS

ASSEMBLE YOUR OWN BINOCULARS!

Save More Than 1/2 Regular Cost
Complete Optics! Complete Metal Parts!



GOVERNMENT'S 7 X 50 BINOCULARS

Here's an unusual opportunity to secure a fine set of Binoculars at a substantial saving of money. Offered here are complete sets of Optics and Metal Parts for the 7 x 50 Binoculars. These components are new and all ready for assembly. We supply full instructions. Limit—1 set of Metal Parts and 1 set of Optics to a customer.

METAL PARTS—Set includes all Metal Parts—completely finished—for assembly of 7 x 50 Binoculars. No machining required. Bodies factory hinged and covered. A sturdy Binocular Carrying Case is optional with each set of Metal Parts.

Stock # 842-Q \$39.40 Postpaid,
plus \$4.80 for Case Total \$44.20

OPTICS—Set includes all Lenses and Prisms you need for assembling 7 x 50 Binoculars. These Optics are in excellent condition—perfect or near perfect and have new low reflection coating.

Stock # 5102-Q—7 x 50 Optics \$25.00 Postpaid

NOTICE: Add 20% Federal Excise Tax to your remittance if you buy both the Binocular Optics and the Binocular Metal Parts.

ARMY'S 6 X 30 BINOCULARS

COMPLETE OPTICS & METAL PARTS—Model M-13A1, 6 x 30 Binoculars (Waterproof Model). Everything you need—ready for assembly. When finished will look like a regular factory job costing \$102 to \$120. The Optics are new, in perfect or near-perfect condition. Have new low reflection coating. Metal Parts are new and perfect, all completely finished. No machining required. Bodies factory hinged and covered. Complete assembly instructions included.

Stock # 830-Q \$40.00 Postpaid,
plus \$8.00 tax—Total—\$48.00

METAL PARTS ONLY—Model M-13A1, 6 x 30 Binoculars. No Optics. Same Metal Parts as described for Stock # 830-Q.

Stock # 832-Q—6 x 30 Metal Parts \$25.00 Postpaid

POLARIZING VARIABLE DENSITY ATTACHMENT FOR BINOCULARS

An amazingly effective unit for controlling amount of light reaching your eyes. Cuts down glare in sky and overwater observations. Easily snapped on and off over the eye cups of American-made 7 x 50 Binoculars. Govt. Cost, \$8.30 each.

Stock # 20,000-Q \$2.00 Postpaid

Above Polarizing Attachment also adaptable to Govt. 6 x 30 Binoculars with substitution of special Eye-cups. Stock # 20,010-Q, 6 x 30 Eye-cups, 75c pr., Postpaid

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. camera, stereoscopic viewer, ground glass and enlarging focusing aids, **TELESCOPES**, low power Microscopes and for many other uses.

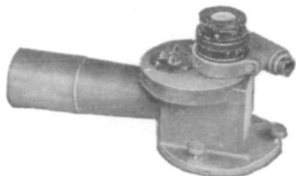
NEW 50-PAGE IDEA BOOK "FUN WITH CHIPPED EDGE LENSES"

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

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

8 POWER ELBOW TELESCOPE



Gov't Cost \$200.00. Our Price \$17.50
Big 2" diameter objective. All lenses Achromatic. Amici prism erects the image. 4 built-in filters—clear, amber, neutral and red. New to slightly used condition but all guaranteed for perfect working order. Weight 5 lbs. Can be carried but a trifle bulky. Excellent for finder on Astronomical Telescope. Stock # 943-Q \$17.50 Postpaid

OPTICS FOR 6 x 30 BINOCULARS (No Metal Parts.) Perfect and low reflection coated. Stock # 5130-Q \$15.00 Postpaid

SAME OPTICS AS ABOVE—Coated—but slight seconds. Stock # 5124-Q \$12.75 Postpaid

If you buy both the Binocular Optics and the Binocular Metal Parts, your purchase becomes subject to 20% Federal Excise Tax. Be sure to add amount covering tax to your remittance or your order cannot be filled.

Optics and Metal Parts are Available for Monoculars (1/2 a Binocular). For Complete Details, Write for Bulletin # 14-Q.

AIR FORCES GUNSIGHT

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 Reticule, 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



MOUNTED PROJECTING LENS SYSTEM—F.L. 91.44 mm. (just right for 35 mm. Projectors). Speed of F 1.9. Outside dia. of mount at one end 60 mm. Length of mount 64 mm.

Stock # 4033-Q \$3.00 Postpaid

THREADED OUTSIDE MOUNT FOR FOCUSING ABOVE SYSTEM (Not illus.)— Stock # 715-Q \$1.00 Postpaid

CONDENSING LENS SET—Consists of 2 Condensing Lenses with diameter of 2". Used for making 35mm projector or many other purposes.

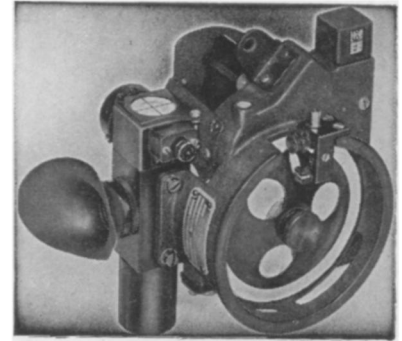
Stock # 4034-Q 75c Postpaid

POLARIZING OPTICAL RING SIGHT

(Unmounted) Used in gun sights—especially for shotguns. As you look through, you see a series of rings that you superimpose on your target. No front sight required. Increases degree of accuracy.

Stock # 2067-Q \$4.00 Postpaid

NEVER HAS THERE BEEN SUCH A SENSATIONAL BARGAIN AS THIS! BUBBLE SEXTANT



These Army Air Forces Bubble Sextants cost the Govt. about \$125.00 each. A real bargain at our price of \$12.50! Included with Bubble Sextant shipment is wooden Carrying Case, 5 spare waxed paper discs, flashlight with rheostat for night use (uses ordinary flashlight cells—not furnished) aux. 2-power Galilean Telescope, Allen wrench, 1 spare marking point. Wartime used, **BUT COMPLETELY REPAIRED, COLLIMATED AND PUT IN GOOD WORKING ORDER.** Light bulb has been tested—Bubble is in working condition. Because of wartime use, we make this guarantee: If not satisfied that Sextant is exactly as represented, return within 10 days and money will be refunded. Pull directions for use accompany each shipment.

Stock # 924-Q \$12.50 Postpaid

Same Sextant as above but **BRAND NEW** and with Automatic Electric Averaging Device and Illuminated Averaging Disc for nighttime use. Govt. cost \$217. Though brand new we have rechecked Bubble and Collimation and **GUARANTEE** perfect working order.

Stock # 933-Q 22.50 Postpaid

CONDENSING LENSES—Seconds, but suitable for Enlargers and Spotlights.

Stock # 1061-Q, 6 1/2" dia., 9" F.L. \$2.50 Postpaid

Stock # 1080-Q, 5" dia., 7" F.L. \$1.50 Postpaid

We have a Limited Quantity of Condensing Lenses—seconds—ranging from 4 1/2" to 8 1/2" in dia. with various focal lengths. Send for **Free Bulletin** titled "MISCELLANEOUS CONDENSING LENSES—Q".

SIMPLE LENS KIT—Some gov't surplus, some commercial surplus, some chipped rejects, some perfect, few coated in any event an excellent bargain. Containing Plano Convex, Double Convex, Concave, Miniscus Lenses. Dia. range 5mm to 40mm. Assorted focal lengths.

Stock # 5-Q 45 lenses \$5.00 Postpaid

Stock # 10-Q 80 lenses \$10.00 Postpaid

LENS CLEANING TISSUE—1st quality sheet size 11" x 7 1/2". Made to Gov. spec. High wet strength. Free of abrasives.

Stock # 721-Q 500 sheets \$1.00 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. (min. wt.) \$5.00 Postpaid

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

6 POWER GALILEAN TELESCOPE—(Commercial Surplus) 28mm dia. Achromatic Objective Lens. Sturdily constructed of Aluminum. 7" long, extends to 9". Complete with carrying case.

Stock # 941-Q \$3.00 Postpaid

\$200.00 DRIFT METER for \$5.60

These were used for determination of drift and true air speed. You can adapt to other uses or take apart to get 2 mounted Achromatic Lenses—Mirrors—Field Lens—Pantograph—Engraved Scales—Sponge Rubber Discs—metal parts and other components. Instrument weighs 4 lbs.

Stock # 942-Q \$5.60 Postpaid

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

ORDER BY SET OR STOCK NO.

SATISFACTION GUARANTEED

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