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SCIENCE NEWS LETTER

Vol. 53, No. 10



THE WEEKLY SUMMARY OF CURRENT SCIENCE • MARCH 6, 1948



White House Welcome

See Page 149

A SCIENCE SERVICE PUBLICATION

PREPARE NOW for "a rainy day"



FORTUNE-TELLING is *not* one of the attributes of I. C. S. We're much more concerned with helping those who need specialized training. For, regardless of what the future may bring, *trained men* will continue to hold the important positions in business as well as industry.

That's why we strongly recommend that you prepare yourself NOW for changes that may threaten your occupational status. In periods of vocational uncertainty, *training is always your best protection.*

I. C. S. can help you acquire much of the technical knowledge you need. Courses cover more than 400 commercial and industrial subjects. You study in your spare time . . . set your own pace . . . progress just as fast as your abilities and ambition permit.

Don't delay your program for self-advancement. Clip and mail this coupon TODAY. It will bring you full particulars about the courses in which you are interested.

INTERNATIONAL CORRESPONDENCE SCHOOLS



BOX 6249, SCRANTON 9, PENNA.

Without cost or obligation, please send me full particulars about the course *before* which I have marked X:

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| <p>Air Conditioning and Plumbing Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Heating <input type="checkbox"/> Refrigeration <input type="checkbox"/> Steam Fitting <p>Chemistry Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chemical Engineering <input type="checkbox"/> Chemistry, Analytical <input type="checkbox"/> Chemistry, Industrial <input type="checkbox"/> Chemistry, Mfg. Iron and Steel <input type="checkbox"/> Petroleum Refining <input type="checkbox"/> Plastics <input type="checkbox"/> Pulp and Paper Making <p>Civil Engineering, Architectural and Mining Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Architectural Drafting <input type="checkbox"/> Architecture <input type="checkbox"/> Building Estimating <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Coal Mining <input type="checkbox"/> Contracting and Building | <ul style="list-style-type: none"> <input type="checkbox"/> Highway Engineering <input type="checkbox"/> Lumber Dealer <input type="checkbox"/> Reading Structural Blueprints <input type="checkbox"/> Sanitary Engineering <input type="checkbox"/> Structural Drafting <input type="checkbox"/> Structural Engineering <input type="checkbox"/> Surveying and Mapping <p>Communications Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Electronics <input type="checkbox"/> Practical Telephony <input type="checkbox"/> Radio, General <input type="checkbox"/> Radio Operating <input type="checkbox"/> Radio Servicing <input type="checkbox"/> Telegraph Engineering <p>Electrical Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Electrical Drafting <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Electric Light and Power <input type="checkbox"/> Lighting Technician <input type="checkbox"/> Power House Electric <input type="checkbox"/> Practical Electrician <input type="checkbox"/> Ship Electrician | <p>Internal Combustion Engines Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Auto Technician <input type="checkbox"/> Aviation <input type="checkbox"/> Diesel-Electric <input type="checkbox"/> Diesel Engines <input type="checkbox"/> Gas Engines <p>Mechanical Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Aeronautical Eng'r's, Jr. <input type="checkbox"/> Aircraft Drafting <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Forging <input type="checkbox"/> Foundry Work <input type="checkbox"/> Heat Treatment of Metals <input type="checkbox"/> Industrial Engineering <input type="checkbox"/> Industrial Metallurgy <input type="checkbox"/> Machine Shop <input type="checkbox"/> Machine Shop Insp. <input type="checkbox"/> Mechanical Drafting <input type="checkbox"/> Mechanical Engineering <input type="checkbox"/> Mold-Loft Work <input type="checkbox"/> Patternmaking—Wood, Metal <input type="checkbox"/> Reading Shop Blueprints <input type="checkbox"/> Sheet-Metal Drafting <input type="checkbox"/> Sheet-Metal Worker | <ul style="list-style-type: none"> <input type="checkbox"/> Ship Drafting <input type="checkbox"/> Ship Fitting <input type="checkbox"/> Tool Designing <input type="checkbox"/> Toolmaking <input type="checkbox"/> Welding—Gas and Elec. <p>Railroad Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Air Brake <input type="checkbox"/> Car Inspector <input type="checkbox"/> Diesel Locomotive <input type="checkbox"/> Locomotive Engineer <input type="checkbox"/> Locomotive Fireman <input type="checkbox"/> Railroad Section Foreman <p>Steam Engineering Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Boilermaking <input type="checkbox"/> Combustion Engineering <input type="checkbox"/> Engine Running <input type="checkbox"/> Marine Engineering <input type="checkbox"/> Steam Electric <input type="checkbox"/> Steam Engines <p>Textile Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cotton Manufacturing <input type="checkbox"/> Rayon Weaving <input type="checkbox"/> Textile Designing <input type="checkbox"/> Woolen Manufacturing | <p>Business and Academic Courses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Accounting <input type="checkbox"/> Advertising <input type="checkbox"/> Arithmetic <input type="checkbox"/> Bookkeeping <input type="checkbox"/> Business Administration <input type="checkbox"/> Business Correspondence <input type="checkbox"/> Certified Public Accounting <input type="checkbox"/> Commercial <input type="checkbox"/> Commercial Art <input type="checkbox"/> Cost Accounting <input type="checkbox"/> Federal Tax <input type="checkbox"/> First Year College <input type="checkbox"/> Foremanship <input type="checkbox"/> French <input type="checkbox"/> Good English <input type="checkbox"/> High School <input type="checkbox"/> Higher Mathematics <input type="checkbox"/> Motor Traffic <input type="checkbox"/> Postal Service <input type="checkbox"/> Salesmanship <input type="checkbox"/> Secretarial <input type="checkbox"/> Sign Lettering <input type="checkbox"/> Spanish <input type="checkbox"/> Stenography <input type="checkbox"/> Traffic Management |
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Name _____ Age _____ Home Address _____
 City _____ State _____ Present Position _____ Working Hours _____ A.M. to _____ P.M.

Special tuition rates to members of the Armed Forces. Special discount to World War II Veterans. Canadian residents send coupon to International Correspondence Schools Canadian, Ltd., Montreal, Canada.

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

OPTICS FOR 6 x 30 BINOCULARS (No Metal Parts.) Perfect and low reflection coated.

Stock # 5130-Q \$15.00 Postpaid

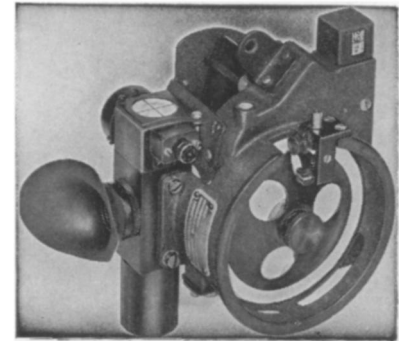
SAME OPTICS AS ABOVE—Coated—but slight seconds.

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.

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. Full 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 re-checked 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 # 1082-Q, 4 1/2" dia., 5 1/2" F.L. 70c 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".

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

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.

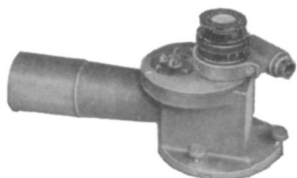
35 MM KODACHROME PROJECTING LENS SET—Consists of 2 Achromatic Lenses for projecting, plus 2 Condensing Lenses and a piece of Heat Absorbing Glass with directions.

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 by a trifle bulky. Excellent for funder on Astronomical Telescope.

Stock # 943-Q \$17.50 Postpaid

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

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

HASTINGS TRIPLET 10 Power Magnifier (Cemented but not Mounted). Dia. 15 mms. Focal length 1". Gov't used those for magnifying image on tube screen of Snooperscope. Worth \$12.00.

Stock # 6203-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

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

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

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

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

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