

● RADIO

Saturday, February 17, 1951, 3:15-3:30 p.m. EST
 "Adventures in Science" with Watson Davis, director of Science Service, over Columbia Broadcasting System.

Mr. Davis will interview talented teen-aged youngsters, winners of awards in the Tenth Annual Science Talent Search.

have planes and meteorological balloons over the Atlantic. However, the closest Russian-dominated place opposite Nevada on the globe is Albania. From airfields in Albania and other nations along the Iron Curtain, Russian planes probably took off in search of radioactive clues.

Science News Letter, February 10, 1951

TECHNOLOGY

Pillow Tank Stores Gasoline at Front

➤ A NEW synthetic rubber-nylon "pillow" tank for gasoline that lies flat on the ground and provides 10,000 gallons of storage in ten minutes will soon be servicing U. S. fighting tanks and trucks at the front.

The collapsible container has been produced by the U. S. Engineer Research and Development Laboratories to replace conventional steel tanks and the familiar 55-gallon drums that have usually stored petroleum for war use.



PILLOW TANK—This 10,000-gallon collapsible tank is made of synthetic rubber-nylon and can replace the big steel tanks and 55-gallon drums that have been used to store gasoline for war use. It is transported in a box and for use is spread out like a rug.

The pillow container is transported in a protective box and for use is rolled out like a rug on a flat area free of sharp objects. Connections are screwed on and the tank is ready for filling and emptying. Only 3/32 inch thick, the tank is Buna N synthetic rubber reinforced with inner and outer layers of nylon, partly in the form of a liquid coating.

Temperatures of 45 degrees below zero Fahrenheit will not stop the use of the tank during cold weather fighting.

Whereas the erection of usual bolted steel tanks takes days and weeks, the new Army collapsible fuel tank can be made ready in a matter of minutes.

Science News Letter, February 10, 1951

On This Week's Cover

➤ GENERATORS, giant motors and other great electrical machinery need a periodic check up to prolong life just as does the human being.

J. S. Johnson, insulation development engineer of the Westinghouse Electric Corporation, is the "dynamo doctor" who is diagnosing the condition of the giant generator shown on the cover of this week's SCIENCE NEWS LETTER. He is using a cystoscope, physician's instrument for examining the bladder, to search out the condition of the insulation deep inside the coils.

Science News Letter, February 10, 1951

WAR SURPLUS BARGAINS

MAKE A MICROSCOPE—Get wonderful results. Own an instrument worth many times the cost to you. Simply convert a U. S. Govt. Rifle Scope (Govt. cost over \$65.00). It's easy! We show you how. No machining required. Get up to 40 Power. Scope we furnish is used but good condition . . . sent complete with extra lenses and direction sheet.

Stock #959-Q \$7.90 Postpaid

WRENCHES—for above project, to simplify and speed up work.

Stock #89-Q \$1.00 Postpaid

NON-ABSORBING BEAM SPLITTING MIRROR—Latest development! Optically flat to 1/4 wave length. Size: 1-15/16" x 2-15/16"—3/8" thick. Reflects approximately 50% and transmits approximately 50%. No light is absorbed. Has a three-layered film which accomplishes non-absorption.

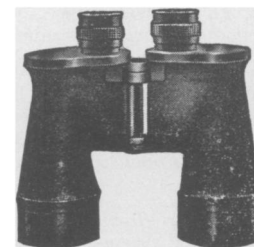
Stock #567-Q \$5.00 Postpaid

AMAZING POCKET-SIZE 10-POWER SPOTTING SCOPE—Complete With Tripod and Swivel Head. Only 5 1/2" long—8 1/2" high on tripod. Adapted from Army telescope and worth many times our price. Excellent for clarity and sharpness. Has prism erecting system, achromatic objective, Hensden Eye-Piece. Lenses low reflection coated. Ideal Scope for sportsmen and hunters.

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American Made! Save Real Money!



An opportunity to own a truly fine pair of American-made Glasses at substantial savings. Precision built by Anchor Optical Co., our Binoculars are light-weight, dust-proof, moisture-proof, expertly collimated. Optics are low reflection coated. Metal parts chemically treated to prevent corrosion. Sturdy Carrying Case included. Anchor Binoculars are guaranteed for full year against any defects in workmanship or materials. Sold with 10 DAY MONEY BACK PRIVILEGE.

Stock #963-Q 6x30 \$75.00 Postpaid

Stock #964-Q 7x35 85.00 Postpaid

Stock #965-Q 7x50 98.50 Postpaid

Stock #966-Q 9x50 99.50 Postpaid

(Be sure to add 20% Fed. Tax on Binoculars)

8 POWER ELBOW TELESCOPE

Gov't. Cost \$200.00! Our Price \$27.50! Big 2" diameter objective. All lenses Achromatic. Amici prism erects the image. 4 built-in-filters—clear, amber, neutral and red. Slightly used condition but all guaranteed for perfect working order. Weight 5 lbs.

Stock #943-Q \$27.50 Postpaid

SPECIAL! SPECIAL! RONCHI RULINGS
 —Black Line Grating—

Plate glass with etched parallel black lines—space between each line is same as thickness of the ruled line itself. Made by photographic process. Number of lines per inch ranges from 65 to 133 as shown below. Normally cost \$4.00 to \$5.00 per sq. inch. Used for fine measuring, testing and measuring astronomical mirrors, testing microscope objectives, camera objectives, and magnifiers, used in pairs to see diffraction pattern.

(Some seconds, with slight scratches.)

1 in. x 1 in.			2 in. x 2 in.		
Stock No.	Lines Per In.	Price	Stock No.	Lines Per In.	Price
2122-Q	65	\$.75	2133-Q	65	\$1.50
2126-Q	85	.75	2134-Q	85	1.50
2127-Q	110	1.00	2136-Q	110	2.00
2128-Q	120	1.00	2137-Q	120	2.00
2129-Q	133	1.00	2138-Q	133	2.00

All above sent Postpaid.

TELESCOPE EYEPIECE—Consists of 2 Achromatic Lenses, F. L. 28 mm. in a metal mount.

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