

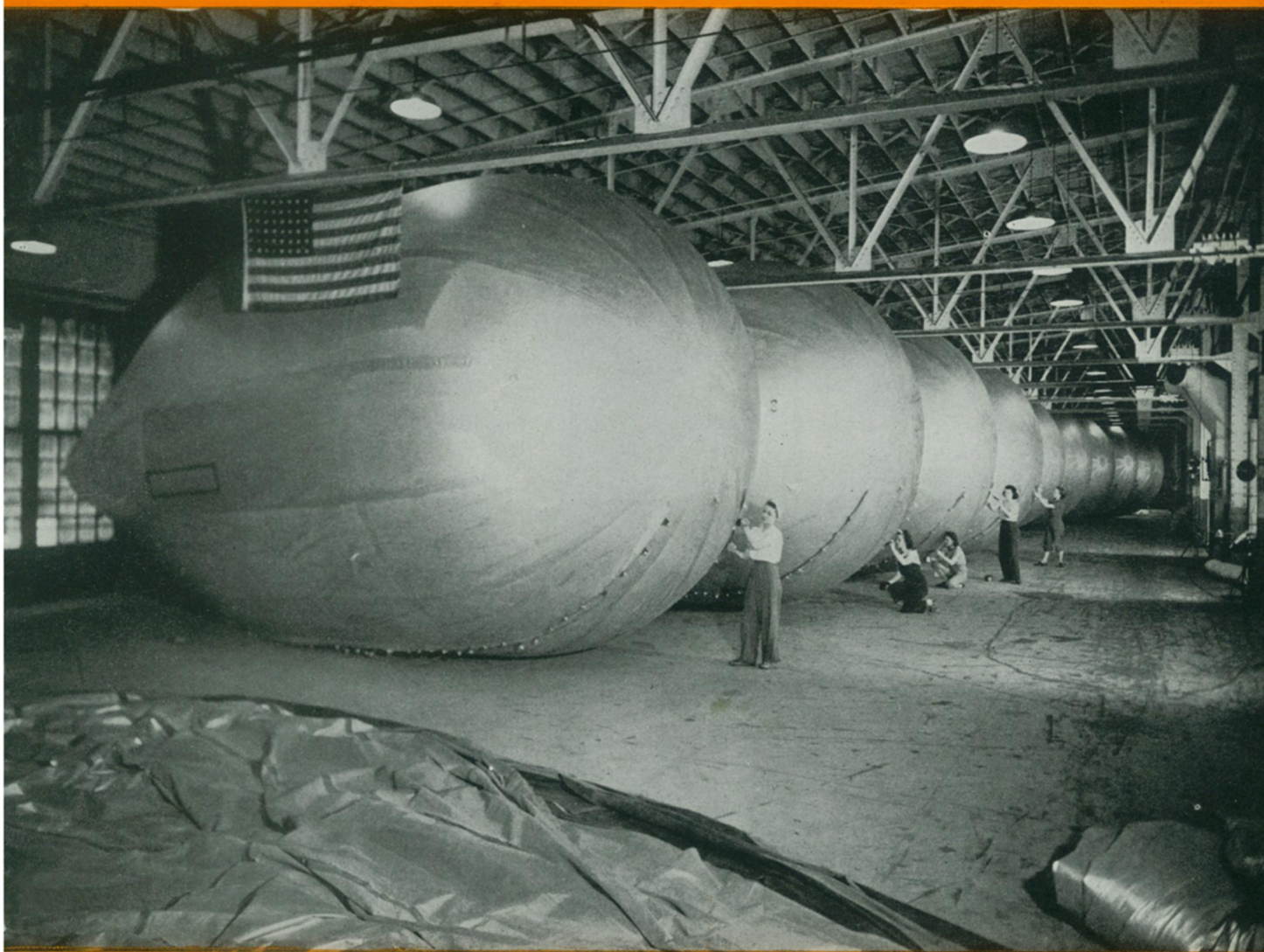
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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE

• JULY 24, 1943



For Ship Protection

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A SCIENCE SERVICE PUBLICATION

Do You Know?

Latin-American countries are increasing their *food production* as a contribution to the war effort.

Berries should not be hulled, crushed, sliced or juiced until just before serving, or their vitamin C will be lost.

Over a *third* of the men and women employed in May were 45 years of age or over, the U. S. Employment Service states.

Dried *skim milk*, formerly used extensively by poultry and livestock farmers, now is largely diverted to human consumption.

State gasoline *taxes* produced 11% less revenue in 1942 than in 1941; for January, 1943, they produced 34% less than in January, 1942.

Beryllium combined with copper makes an almost ideal material for *springs* for electrical instruments because of its exceptional strength and corrosion resistance.

Close-grained *gray iron* is the most widely used material for piston rings because it withstands wear and retains its physical properties under temperature, pressure and lubrication changes.

The United States is furnishing funds and technicians to assist in the establishment of 30 *hospitals* and health centers distributed from Guatemala through Central America to the headwaters of the Amazon, the Brazilian rubber country.

Question Box

Page numbers of Questions discussed in this issue:

AERONAUTICS

How are plastics standing up in airplane parts? p. 60.

AGRICULTURE

How can nematodes be killed? p. 59.
What machine can be used to transplant tree seedlings? p. 56.

ANATOMY

How much should you weigh? p. 60.
In what way has lipstick served in the instruction of soldiers? p. 51.

ASTRONOMY—PHYSICS

What keeps the great galactic clusters together? p. 55.

BACTERIOLOGY

What old process has been given a new job in speedy production of penicillin? p. 51.

BIOLOGY—PSYCHOLOGY

What biological knowledge might lead to the understanding of labor difficulties? p. 54.

CHEMISTRY

How can infra-red rays be used to test fuels? p. 59.
How can staleness be blown away from coffee? p. 61.
How has a bacterium gone to work in war production? p. 51.

GENERAL SCIENCE

On what research problems is it suggested that young scientists concentrate? p. 52.

GEOGRAPHY

In what sort of terrain is the Sicilian fighting taking place? p. 52.

INVENTION

How can flooring be made sparkproof in powder plants? p. 57.
What new device has been invented to de-ice airplane leading edges? p. 57.

Most articles which appear in SCIENCE NEWS LETTER are based on communications to Science Service, or on papers before meetings. Where published sources are used they are referred to in the article.

MEDICINE

How could a nerve bank be set up and used? p. 58.
What evidence is there that sprained ankles should be used? p. 57.
What rays give relief for painful subdeltoid bursitis? p. 54.
Why is the war likely to make varicose veins more prevalent? p. 55.

MILITARY SCIENCE

What should you do if you find a floating mine? p. 56.

NUTRITION

How can jackrabbits be cooked? p. 55.

ORNITHOLOGY

What bird is seeing duty on the front lines? p. 60.

PHYSICS

For what purpose was the largest prism made? p. 57.
How do pictures develop on photographic film? p. 56.
What new apparatus facilitates the photographing of rapidly revolving machinery? p. 53.
What new use has been found for the Wilson cloud chamber? p. 52.

PHYSIOLOGY—PSYCHOLOGY

At what university has a new School of Alcohol Studies been established? p. 63.

PUBLIC HEALTH

What precautions should be observed in using insect sprays? p. 56.
Why should ham be kept in the refrigerator? p. 53.

RESOURCES

What experiments indicate that iron can be used for printing plates? p. 62.

Approximately 8% of all Canadian *women* from 15 to 54 years of age are employed in war industries.

Federal and State officials are making plans to increase *oyster* production as the present production is only one-half that of 50 years ago.

Only female *mosquitoes* bite to suck blood; the males get all their nourishment from plant sap.

One American airline company finds that only one passenger in 1,000 suffers from *air-sickness* and only one in 1,800 has ear trouble.

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