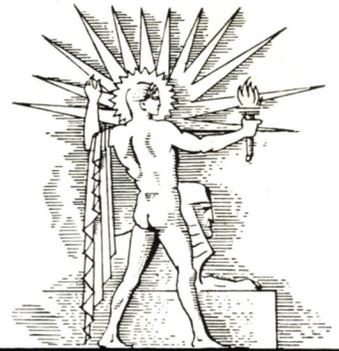


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



August 22, 1942

Rubber Twins

See Page 119

A S C I E N C E S E R V I C E P U B L I C A T I O N

## Do You Know?

A process for condensing *apple juice* into a syrup with a sugar content ranging from 65% to 70% has been announced by the Department of Agriculture.

Important to the manufacture of navigation instruments is a new "*invisible glass*," glass treated to improve its light transmission characteristics by as much as 100%.

A cow doesn't even have to eat *garlic* to get the flavor in her milk—she need only smell it steadily for 10 minutes, according to the Department of Agriculture.

The Wisconsin river gorge was cut by a giant *serpent*, which battered its way down from the north country through masses of solid rock, according to an Indian legend.

To preserve *garden hose*, protect it from oil; use the shut-off nozzle to stop flow (never kink it); do not hang hose on nails; store it in a dry place, away from direct sunlight.

*Shatterproof* properties are imparted to ordinary window glass by the application of a new transparent, water-white liquid, which adheres in a thin coat, according to the manufacturer.

The Eastern refining plant of one oil company has converted its *furnaces* to burn coal, releasing 550,000 gallons of oil a year to war industries unable to convert their own power plants.

## Question Box

### Page numbers of Questions discussed in this issue:

#### AERONAUTICS

Why should land airplanes be launched by catapult? p. 123.

#### ASTRONOMY

How do you pronounce the name of the star Betelgeuse? p. 125.  
In how many hours can a class learn navigation? p. 120.

#### BOTANY

How can two rubber trees be made to grow where one grew before? p. 119.

#### CHEMISTRY

How is a dye used by aviators down at sea to signal for rescue? p. 126.  
Where has a registry of rare chemicals been established? p. 115.

#### EDUCATION

In learning what war subject should you whistle while you work? p. 118.

#### ENGINEERING

For what purpose are plastics given bending exercises? p. 126.  
What material is strongest when it is most cracked up? p. 121.  
Why are guns wrapped in cellophane? p. 121.

#### ETHNOLOGY

Where were members of an "extinct" Indian tribe found? p. 120.

#### INVENTION

How can an air raid siren be made to bark? p. 120.

*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

What advances are aiding the health of American troops? p. 124.  
What new function has been discovered for the kidneys? p. 115.  
What six rules will prevent airsickness? p. 118.  
What vitamin reduces one type of high blood pressure? p. 126.

#### METEOROLOGY

Why is greater damage anticipated from hurricanes this year? p. 116.

#### MILITARY SCIENCE

How do soldiers dress for swimming lessons? p. 122.  
Who was first to urge a uniform that would conceal the soldier? p. 120.

#### NUTRITION

Of what value is a food which has no nourishment? p. 120.

#### PHYSICS

What are the official proportions of the U. S. flag? p. 121.

#### PUBLIC HEALTH

What action will be necessary to battle plague after the war? p. 115.  
What new accident hazards has mechanization brought to the Army? p. 116.

#### ZOOLOGY

What good is done by turkeys for the farmer? p. 121.

The poisonous *water hemlock*, called variously snakeweed, cowbane, and white snakeroot, is a deadly hazard to cattle pastured in swampy areas.

A trained force of *mosquito fighters* is helping public health officials in finding and eliminating mosquito breeding grounds near Army cantonments.

Hunting of *snow geese* in parts of Idaho and Montana is prohibited, to protect the rare trumpeter swan, sometimes mistaken for the snow goose.

A semi-plastic material, tailor-made for the purpose, is substituting for rubber in *flexible hose* needed to feed gas to intensely hot fires in one war industry.

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