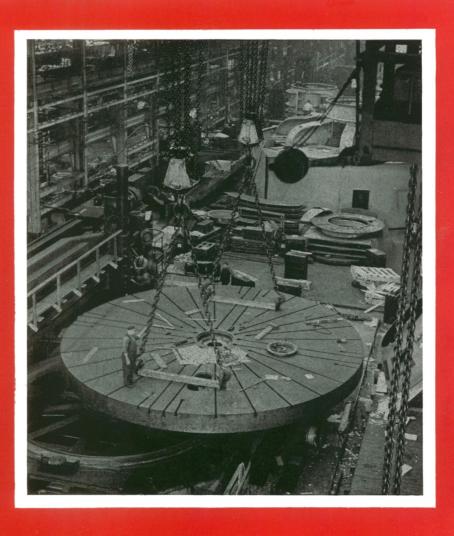
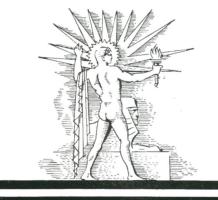
# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





January 18, 1941



Turntable for Defense

See Page 41

A SCIENCE SERVICE PUBLICATION

# Do You Know?

To transport *limestone* from quarries to a new cement factory in Sweden, a ropeway 28 miles long has been built.

Chemists foresee that alfalfa may be an important source for carotene and certain chemicals useful in food processing and in pharmaceuticals.

Britain hopes to save 50,000 tons of tin plate and sheet steel a year for munitions by prohibiting or limiting size of tins used in packaging goods.

By taking two photographs of a *light*ning flash at right angles to one another, scientists have been able more accurately to determine the length, and, hence, the velocity of the stroke.

A package of crystalline vitamins, the size of a two-pound box of candy, was presented to Dr. Tung Shen by Cornell University nutrition students, to enable him to study nutrition lacks of Chinese soldiers.

Providing information on man's customs, museums can help manufacturers to avoid decorative designs on goods for foreign sale which they think will please natives, but which often clash with religious ideas and superstitions.

When the southern ground hornbill's call is heard in South Africa, natives interpret the female as saying, "I'm going, I'm going home to my relations," and the male replying, "You can go, you can go, you can go home to your relations."

## QUESTIONS DISCUSSED IN THIS ISSUE

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.

#### ANTHROPOLOGY

How could a study of apes lead to an improvement in man? p. 45.

How long would it take a star to pull another out of its path by gravitation? p. 41.
What star is described as a bubble within a bubble? p. 44.
Where does most of the light come from during a total eclipse? p. 37.

How is a college chemical laboratory aiding in defense? p.~40.

#### ENGINEERING

How does the enamel coating aid in cooling

How does the enamel coating aid in cooling an engine? p. 36.

How large an armored force is planned for the United States? p. 35.

What are the advantages for wider rims for automobile tires? p. 35.

Why is it unpatriotic to let a radiator freeze in England? p. 40.

#### ENTOMOLOGY

What "enemy invader" has been found in Texas? p. 40.

#### GENERAL SCIENCE

What sin abhorred by scientific men was omitted from the Ten Commandments? p. 37.

#### LANGUAGE

What sort of language should be used to promote hemisphere solidarity? p. 41.

#### NUTRITION

What do diets in tropical America commonly lack? p. 45.

#### PHYSICS

What should a driver do when he finds himself running directly toward a stone wall? p. 40.

#### PHYSIOLOGY

What sort of equipment would you need for a jump from the sky at 40,000 feet altitude? p. 42.

#### **PSYCHOLOGY**

How is psychological research being coordinated for national defense? p. 38.

What psychologists are aiding in the defense of morale? p. 38.

Why is it dangerous for democracies to imitate the propaganda methods of dictators?

#### ZOOLOGY

Where do frogs have goiter? p. 41.

Camels were not important as pack animals in very early times, as they were not domesticated until about 1000 B.C.

A scientist found that from Feb. 15 to Nov. 1, one bee colony averaged carrying nearly 8,000 loads of pollen a day, each load representing visits to 80 or more blossoms.

New eyeglasses have dark red glass as the upper fourth of the lens, so that when a light is seen through the red segment, the color-blind motorist knows he must stop.

Psychologists say that no kind of clothing means more to a young child than gay-colored mittens, helmets, scarfs and bedroom slippers.

A report on venomous snakes of Central and South American areas where bases may be established has been prepared for the U. S. Navy Department.

A synthetic ammonia plant to be constructed at Wilson Dam, Ala., will be capable of producing 300 tons of ammonium nitrate, high explosive material, daily.

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