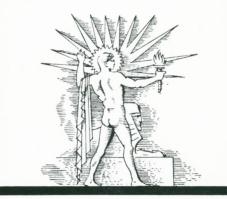
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





July 8, 1939



Fire Surgeons

See page 30

A SCIENCE SERVICE PUBLICATION

Do You Know?

Benjamin Franklin once commented that it would be cheaper for nations to buy territory they wanted than to fight for it.

As many as 67,000 people in a day put in phone calls in New York City to hear the weather forecast announced mechanically.

Volunteers training as telephone operators in England's air raid precaution service learn to handle calls talking through gas masks.

Possibility that the moon's tidal forces act like a trigger to touch off deep earthquakes in South America is being investigated scientifically.

Government scientists have invented a new food article from surplus by-products: namely, wafers or chips made of cull potatoes, skim milk, and salt.

A new type dinner bowl for the dog is divided into food and drink compartments, also made non-skid, so that it does not slip when the dog is eating.

A plant that grows II feet tall and has yellow, bell-like flowers has been brought to the San Francisco Fair from ruins of the Incan city of Machu Picchu in Peru.

A British government office has published a map of Britain in the Dark Ages showing distribution of tribes, location of roads, and other facts about the 440 to 840 A.D. era.

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.

AERONAUTICS

What new airline is now being planned from the U.S. to South America? p. 22.

Where is the nation's largest aeronautical laboratory? p. 26.

ANTHROPOLOGY

What was the greatest Greek invention? p. 24.

ARCHAEOLOGY

How did lima beans enter into ancient Peruvian communications? p. 21.

Who built the "Pittsburgh" of ancient Palestine? p. 28.

BIOLOGY

What new classification of all living things has been proposed by biologists? p. 19.

CITRILICADY

What new perfume has been created by modern chemistry? p. 22.

ENGINEERING

How does the Navy detect flaws in metal? p. 24.

How is metal sprayed on worn refinery equipment? p. 19.

MEDICINE

What role does oxygen play in the success of sulfanilamide in fighting disease? p. 20.

What is the newest treatment for pneumonia? p. 29.

NUTRITION

How is the vitamin B_1 content of white bread being improved? p. 23.

PHYSICS

Where have neutrons recently been discovered? \mathbf{p} . 29.

What is the latest picture of the atom's electrical field? p. 29.

PHYSIOLOGY

How is science approaching the problem of man's eternal quest for youth? p. 24.

POPULATION

Why is the birthrate in cities declining? p. 25.

PUBLIC HEALTH

What is the daily per capita cost of the government's new Public Health Program? p. 20.

ZOOLOGY

Where and why have American scientists established a new colony for monkeys? p. 28.

Relay runners in ancient Persia carried messages 1,500 miles in six days along the famed Royal Road from Susa to Sardis.

Testing 2,000 thermometers in a season is one service to Florida fruit growers given by the state's Horticultural Protection Service.

Looking ahead, the Bureau of Public Roads estimates that 25,000 miles of new 4-lane roads will be needed by the United States in the next 25 years.

Nineteen hundred years ago, a writer said that cancer could be cured only in its initial stages.

The World Poultry Congress held in Cleveland July 28 to August 5 is to be unusually complete in showing scientific progress of an industry.

The Chinese government is determined to destroy all poppy fields and even to execute the growers, lest opium take a new hold on the country.

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