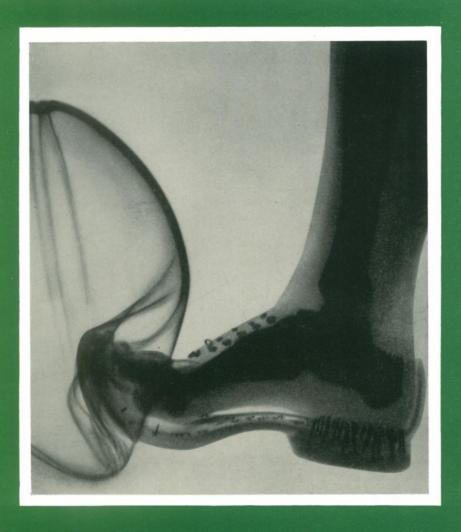
# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





November 23, 1940

Kick Off

See Page 324

A SCIENCE SERVICE PUBLICATION

# Do You Know?

Glass blocks gain insulating effectiveness by having a hollow center from which most of the air is removed.

Yellowstone National Park's famous Old Faithful geyser spouts 10,000 to 12,000 gallons of hot water at its hourly eruption.

The University of Michigan's fine collection of early printed books includes a *medical treatise* printed in 1466 by Ulrich Zell, once apprentice to Gutenberg.

Coaches, says a museum curator, are believed to have originated in Hungary in the fifteenth century and may have got their name from a town called Kocs or Kotzee.

Government agriculturists have had to warn against using too much of the new hormone sprays that prevent apples from dropping off trees—too strong a spray makes the fruit stick so tight it is hard to pick.

To paint an ice skating *rink* for a carnival, a St. Louis contractor sprayed special blue paint on the ice with a spray gun and then added a varnished look by spraying water over the paint to make a thin ice coating.

About 300 years before the famous *Trojan horse* episode, an Egyptian general vanquished a Near Eastern prince by drugging him at a peace conference, and then sending 200 soldiers carried in sacks into the prince's city in the guise of booty from a "defeated" Egypt.

### 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.

#### ARCHAEOLOGY

How do scientists know of hard times among America's Folsom people? p. 326.

#### BOTANY

Of what wood was Noah's ark made? p. 334.

#### CHEMISTRY

What advantages are claimed for the new German fiber made from coal, lime, water and chlorine? p. 326.

#### ENGINEERING

How light can Diesel engines be made?

#### **ENTOMOLOGY**

How is the soybean used to make bread for bees? p. 328.

#### GEOLOGY

Why is Stevens Glacier perishing? p. 329.

#### INVENTION

What sort of fender can be bumped without denting? p. 328.

#### MEDICINE

How is bone marrow transfused? p. 323. What is used to keep blood fresh for transfusions? p. 329.

What new method will be used in examining the lungs of men selected for Army training? p. 328.

#### PALEONTOLOGY

What ancient bird is known only by its jawbone? p. 332.

#### PHYSICS

How can scientists watch what goes on inside the vacuum cleaner? p. 324.

What material is now used to take X-ray photographs of airplane parts and other defense machinery? p. 335.

Who received the first fellowship to work on the new electron microscope? p. 328.

#### PHYSICS-SEISMOLOGY

How fast can an earthquake wave travel through the mantle of the earth? p. 325.

#### PHYSIOLOGY

What was the result of experiments to test chemical theory of sex control? p. 329.

What weapon have army medical officials found to protect troops against depressing effects of the tropics? p. 323.

#### PSYCHIATRY

How many psychiatrists will be needed to examine men called for selective service? p. 334.

#### PSYCHOLOGY

What sort of diet would a rat select if given free choice? p. 330.

#### PUBLIC HEALTH

What are the chief threats against health in England? p. 327.

What is the National Research Council contributing toward national medical defense? p. 327.

Who is America's "medical ambassador"? p. 328.

#### SEISMOLOGY

Why did the Rumanian earthquake surprise seismologists? p. 324.

Florida's *tree snails* are immigrants in fairly recent geologic times, coming from Cuba.

Canada expects to ship more than 2,000,000 *Christmas* trees to the United States by rail—war or no war.

The United States this year has received 35% of its high-grade *manganese* imports, essential in steel production, from Soviet Russia and 30% from British Africa.

Research scientists foresee that research could remove the menace of *carbon monoxide* generated by automobiles.

To make *tropical fish* comfortable, oil furnaces provide 70 degrees warmth to a Florida aquarium during cooler weather.

Tests indicate that by using pasteurized milk, American cheese manufacturers can produce a milder *Limburger cheese* of uniformly good quality throughout the year.

## SCIENCE NEWS LETTER

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