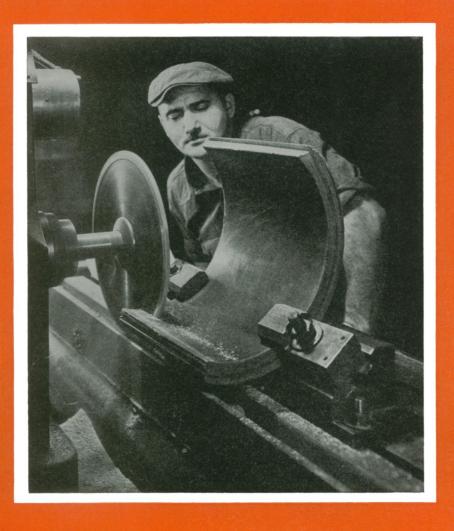
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





January 13, 1940



Fabric Bearing

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A SCIENCE SERVICE PUBLICATION

Do You Know?

Helmets worn by British "Tommies" are made of non-magnetic manganese steel.

When plants give off quantities of water through their leaves, they avoid sunburn.

Germany has been forced to over-cut its forests seriously, in using wood in substitutes and for other emergencies.

China and Mongolia, a little larger than the United States, have less than 9,000 miles of railroad, compared with 253,000 in the United States.

Catalina Island, oif the California coast, may be 30 million years older than nearby islands, is the theory of ocean-ographers based on a geological study.

The tiny tungsten filament of an incandescent lamp gives off light at the highest temperature ordinarily encounered by man, or twice the temperature of molten steel.

Government scientists find that southern peach trees, which require ordinarily a certain amount of winter cold before breaking their winter rest, will bud successfully after milder winters if sprayed with a dinitrophenol compound.

Dry ice was originally produced from carbon dioxide especially manufactured for the purpose, says *Industrial and Engineering Chemistry;* but now 85% of the dry ice in America is made from carbon dioxide that is a by-product from fermentation and other industries.

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 did an Egyptian queen of 5,000 years ago put away her curtains? p. 19.

How will America's growing skepticism of war "news" affect the interpretation of history? p. 30.

In what sort of setting did the famous "Winged Victory" originally stand? p. 24.

Biology

What is tear gas good for? p. 23.

What simple test would eradicate the danger of trichinosis? p. 23.

Why do salmon swim up rivers in their migration? p. 23.

Botan

How can the chemist aid the plant breeder? p.~25.

Dentistry

From what sort of pain does diabetes spare children? $p.\ 21.$

How does zephiran prevent tooth decay? p. 21.

Engineering

What new use has industry found for static electricity? p. 26.

General Science

What do scientists owe to the poets? p. 27.

Medicino

How can neutrons be made more effective as cancer weapons? p. 25.

How was an anti-pneumonia vaccine made in the laboratory? p. 20.

What are the advantages of giving sulfanilamide in oil? p. 20.

What danger attends the taking of a new sex hormone pill? p. 31.

What has the soil contributed toward protection against pneumonia? p. 29.

What new ill is spread by ticks? p. 20.

Physic

How is a lady's rouge used by the physicist to control the transmission of light? p. 28.

Physiology

How do "pep pills" do their sleep-killing work? p. 24.

Population

How does the burden of old and young dependents compare with that of a century ago? p. 21.

Psychiatry

How can nervous breakdown in rats be prevented or cured? p. 26.

Psychology

What should you do tonight to feel in high spirits tomorrow? p. 24.

Public Health

What are the prospects for an influenza epidemic this year? p. 25.

What help has been provided for "Grapes of Wrath" migrants? p. 22.

Public Health-Psychiatry

Why is mental disease expected to increase in the next forty years? p. 19.

Seismology

What did scientists learn from the Turkey earthquake? p. 22.

Zoology

What rodents live at a 15,000-foot altitude? p. 25.

Chrysanthemums hardy enough to stand winters in Michigan, Wyoming, and upper New York State have been developed.

Chungking, present capital of nationalist China, has had its name since 1188 A.D. but there was a settlement on the site as far back as 2200 B.C.

The only apple trees in America before white men came were the crabapples.

Crater Lake, Oregon, is sometimes called "bottomless," but the bottom of Crater Lake has been more accurately mapped than the surface of many townships of the state.

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