

SCIENCE NEWS LETTER





Watcher of the Seas

See Page 278

SCIENCE SERVICE PUBLICATION

Do You Know?

Holland this year suffered from a plague of fleas, due probably to drought conditions.

American civilians ate more food per capita in 1941 and 1942 than ever recorded before.

Germans are reported to have used powder in hand-cannons in 1361; the guns could be fired about once an hour.

Fighting men in training camps in the United States are now eating about four times as much fresh fish as average citizens.

Over 49,000,000 pairs of silk and nylon hosiery, weighing nearly 2,500,000 pounds, have been contributed by American women for use in the war effort.

Japan is reported to have an artificial "meat" made from proteins, vitamins and other substances extracted from wheat-stalks, sweet potatoes and various materials.

Cold welding or mechanical lacing is now used very largely in repairing cracked engines; cracks are drilled and tapped, interlocking studs inserted, and a special sealing compound applied.

England, Scotland, Wales and North Ireland, with an area about the same as Iowa and Indiana combined, produced last year 50% more wheat, twice as much hay, and more beef, eggs, and milk than these two agricultural states together.

Question Box

Page numbers of Questions discussed in this issue:

What revolutionary new plane will soon enter combat? p. 279.

ARCHAEOLOGY

What are some of the archaeological discoveries made recently in Latin America?

ASTRONOMY

What comet has been rediscovered as predicted? p. 286.
What telescope has been used more than any other in the U. S.? p. 277.
Why is Mars unusually bright in November? p. 282.

BACTERIOLOGY

How many years did plague germs survive in a test tube? p. 277.

BIOCHEMISTRY

What microbe extract accidentally turned out to be a rodent poison? p. 275.

CHEMISTRY

How can chicken feathers be salvaged? p. 280. Of what are synthetic sapphires made? p. 275.

p. 275.
What flower extract is helping the Army control mosquitoes overseas? p. 276.

DENTISTRY

How can tooth-wear be measured? p.

ENGINEERING

How can shoal-water craft have their propellers protected and yet have deep-draft "bite"? p. 285.

GENERAL SCIENCE

Why did a group of culture leaders of e Western Hemisphere meet? p. 281.

GEOLOGY

How does hot water help mine potash? p. 276. Why is Hell's Mouth being explored by Mexican geologists? p. 279.

INVENTION

What new ironing board has been invented? p. 281.

How can welders' eyes be better protected from "flash" exposures? p. 278.

How may beef plasma be made safe for human transfusion? p. 280.

What new kind of tubing is being used instead of rubber in blood transfusions?

METALLURGY

How does a new high-voltage electric device aid arc welding? p. 281.

METEOROLOGY

How easily can infra-red rays penetrate a smoky atmosphere? p. 276.

What are the characteristics of the protein extracted from grass? p. 287.

What vitamin was abundant in 19th century buns? p. 281.

ORDNANCE

Where did the Nazis probably get the idea of using plane-mounted rocket guns? p. 283.

How is a stratosphere chamber being used to test aircraft cannon? p. 285.

What new invention has the gunsmith Garand just had patented? p. 287.

PUBLIC HEALTH

If noise gets on your nerves, what are some possible remedies? p. 286.

What three things are under suspicion as possible carriers of infantile paralysis? p.

RESOURCES

Where in the U. S. is wild rubber-producing guayule growing? p. 280.

SOCIOLOGY

How can post-war job-planning be started now? p. 278.

SPORTS

What are a trackman's chances of running a four-minute mile? p. 280.

ZOOLOGY - ANTHROPOLOGY

How have bears been associated with man throughout the ages? p. 287.

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.

Irish moss is rich in gelose; from it gelatin is produced and used in making chocolate and toilet preparations.

Seven per cent of Canada's meat supply is from wild birds and game; in the United States 1.4% is from this source.

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