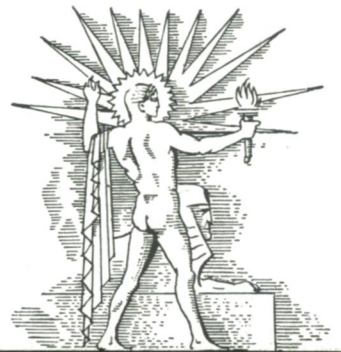


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



March 1, 1941

Supercharged Pilot

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A SCIENCE SERVICE PUBLICATION

Do You Know?

Pale colors are fashionable in Britain—they require less dye.

An airplane engine may contain more than 8,000 separate pieces of metal.

A process for making artificial wool from peanut meal has been patented.

All eggs laid by one hen are likely to be of similar size, shape, and color, with minor variation.

The U. S. Bureau of Mines has contrived a mechanical *house shaker*, to study vibration hazards that blasting causes to nearby buildings.

Had the population of the United States continued growing as it did up to 1900, there would be 150,000,000 people now instead of about 131,000,000.

To aid in advancing cultural relations, the U. S. Bureau of Mines is lending technical *motion pictures* from its large film library to Latin American countries.

Europe furnished the capital for the *plantation system* in the New World, Asia provided sugar cane, Africa the laborers, and America the climate and soil, says Dr. Leo Waibel in the Scientific Monthly.

When *Napoleon* was exiled on St. Helena, the British stationed Hottentot soldiers on Tristan de Cunha, 1,500 miles farther south in the Atlantic, lest Napoleon's friends use this island as a base for a rescue.

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

How did "tanking up" on oxygen aid a test pilot in establishing a new speed record? p. 133.

AGRICULTURE

What disease do pigs catch from chickens? p. 137.

ANTHROPOLOGY

How does the hair of the Dutch, Maya, Navajo and Negro differ? p. 134.

What does the discovery of wasp nests in 300-year-old Indian skulls tell scientists about ancient burial customs? p. 131.

ARCHAEOLOGY

What do scientists hope to learn from the recently discovered Incan cities? p. 135.

ASTRONOMY

What sort of shroud is worn by the moon? p. 139.

BIOLOGY-PHYSICS

How can intense sound be used to shake antigens out of disease germs? p. 131.

CHEMISTRY

How has the development of new formulae aided in producing toluol? p. 133.

What new process will reduce the price of calcium gluconate? p. 137.

GEOLOGY

How could the people of Detroit use salt as protection in case of air raid? p. 134.

INVENTION

How can a slot machine be made to reject slugs? p. 137.

MARINE BIOLOGY

What unusual creature has been named for President Roosevelt? p. 136.

METEOROLOGY

Why do meteorologists believe the storm that hit Spain was not a tropical hurricane? p. 136.

ORNITHOLOGY

What is our population of whooping cranes? p. 137.

PHYSICS

What does a profilograph do? p. 137.

PHYSIOLOGY

What is the chemical name for the B vitamin that prevents graying hair in rats? p. 136.

PSYCHIATRY

Answers to what psychological questions would contribute to building a good society? p. 138.

PSYCHOLOGY

How is the public opinion poll being used to make our government more truly democratic? p. 132.

RESOURCES

How can high purity magnesium be made from scrap castings? p. 136.

WILDLIFE

What did defense activity of 1917-18 do to our resources? p. 141.

England is *employing* more men and fewer women, a trend attributed to evacuation of women to outlying areas.

A simple *self-watering* device for houseplants devised at Cornell University works like a kerosene lamp—a wick draws water from a container below the plant up to the soil.

Great depth of the Mediterranean Sea is a factor that facilitates *submarine* attack.

South America's transcontinental *rail-road*, 2,500 miles long from Santos, Brazil, to Arica, Chile, is being pushed to completion with 425 miles under construction and 378 yet to be started.

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