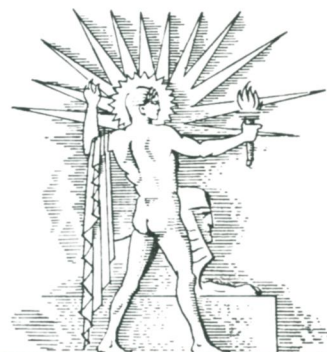
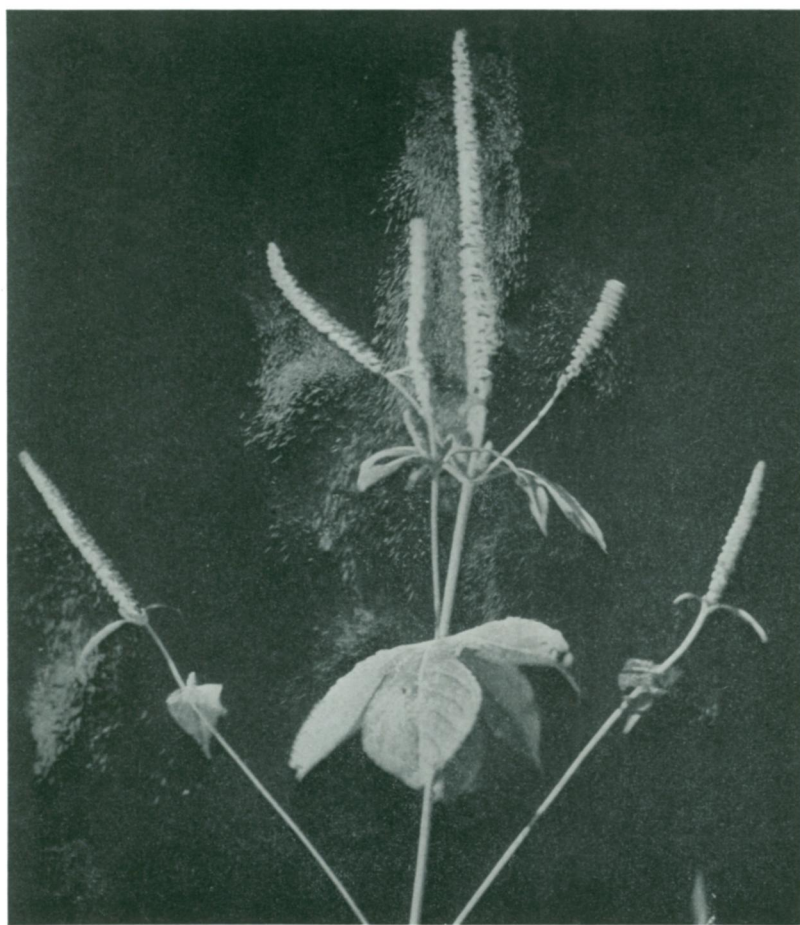


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



July 29, 1939

Don't Sneeze

See page 72

A SCIENCE SERVICE PUBLICATION

Do You Know?

Seven German fleets fished for whales in the Antarctic last winter.

First white men to see the Grand Canyon were 12 Spaniards, 400 years ago.

The polar exploration ship Fram is preserved in Norway as a monument to the Norwegians who commanded it.

In constructing a stratosphere balloon every pound that can be saved in weight enables the balloon to rise about 15 additional feet.

In the Roman Empire, 230 cities in western Asia Minor struck their own coinage, an indication of their degree of self-government.

One hundred eighty-nine Indian tribes have voted for the Reorganization Act, which permits them to incorporate and function like business concerns.

Switzerland has fitted some frontier roads with circular traps, through which on instant notice steel girders can be raised to prevent tanks and artillery from moving in.

San Diego's Natural History Museum has a stone from the Antarctic, which was accidentally cracked open by a mechanic of the Byrd expedition, revealing a perfectly preserved leaf fossil inside.

The mosquito anopheles gambia, carrier of a serious form of malaria, was not known to exist in America until 1930; in 1938 it killed 10 per cent. of the people in some districts of Brazil.

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 far can the "basket weave" airplane travel for bombing? p. 72.

ARCHAEOLOGY

What site is older than Egypt? p. 72.
Where will American scientists dig for archaeological treasure? p. 76.

ASTRONOMY

What is the brightest object in the sky? p. 74.

BIOLOGY

What discovery may lead to a practical way to manufacture fat from sugar? p. 79.
What hormone in bees has been found to affect vertebrates? p. 75.

BOTANY

How did botanists discover a chemical they will probably never isolate? p. 71.

DENTISTRY

How should you brush your teeth? p. 69.
What device will aid dentists of the future in forecasting the life of teeth? p. 69.

INVENTION

Why do tungsten lamps blacken and fail? p. 73.

MEDICINE

How many diseases have now been cured by sulfanilamide? p. 70.

MEDICINE—CHEMISTRY

What chemical difference has been found between cancer cells and normal cells? p. 67.

PHYSICS

What chemicals are found in viruses? p. 68.

PHYSIOLOGY

How many vitamins are parts of vitamin B? p. 75.

PSYCHOLOGY

How are babies "spoiled"? p. 73.

PUBLIC HEALTH

What chemical will probably make possible the control of African sleeping sickness? p. 71.

Wild flowers of Palestine and Transjordan are being studied by an American botanist.

A disease called red stele has destroyed acres of strawberries in the South and is now appearing in Connecticut.

Government chemists have produced fresh strawberry syrup that can be kept indefinitely—thus also providing a use for berries too ripe for shipping.

Many kinds of woodpeckers can "sound" trees, to locate insect colonies inside, so adeptly that the bird then proceeds to bore directly toward the food.

Only five per cent. of the improved highway mileage in the United States is more than two lanes wide.

Chemists say that the quality of taste of the sweetening agent saccharin is different from that of sugar.

Torches or other artificial lights were used in Spanish poultry houses as far back as 1803, so that birds would eat more in winter.

Only stalks of broom corn are used in broom making, but chemists find that the waste could yield oil, furfural, and material for non-breakable plastic.

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