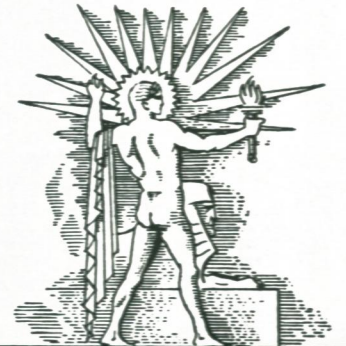


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THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



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See Page 367

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DO YOU KNOW?

Fishermen of ancient Rome used artificial flies.

Siamese fighting fish sometimes duel for a whole day and night, according to Siamese observers.

Canada's part in developing aviation is illustrated in a new aeronautical museum, established at Ottawa.

To fight bark beetles, scientists have tried injecting into the sap stream of an infested tree chemicals that will poison the insects.

PWA workers have constructed or improved 922 hospital buildings since June 1933, adding 61,000 new beds to the capacity of hospitals.

For 101 years the Hawaiian volcano Mauna Loa has averaged one crater outbreak every three and a third years, and one flank lava flow every six years.

Experiments have been tried with a wireless communication system inside coal mines, for giving orders and getting information from distant parts of the mine.

The first photograph of the moon was a daguerreotype, made in 1840.

The greatest giant stars are about 400 times as big as the sun.

Many farmers use old automobile engines to run pumps for irrigating farm land.

Dwarf pear trees are produced by working the desired pear variety on quince root stocks.

In several thousand years of domestication, the silkworm in its moth stage has lost use of its wings.

Helium, non-explosive gas, will lift 92 per cent. as much weight as the dangerous hydrogen gas in dirigibles.

The last known native Pennsylvania elk was killed in 1867, and restocking experiments, begun in 1912, seem doomed to failure.

Seven new helpful kinds of parasites, imported from South Africa, are being tried out as destroyers of the black scale pest of California citrus groves.

WITH THE SCIENCES THIS WEEK

Most articles are based on communications to Science Service or papers before meetings, but where published sources are used they are referred to in the article.

AGRONOMY

Who first planted clover as a crop in the United States? p. 367.

ARCHAEOLOGY

How long ago was worked gold used in necklaces? p. 357.

ASTRONOMY

Where does the light of Betelgeuse originate? p. 360.

CHEMISTRY

What are the functions of America's first "water smeller"? p. 360.

CHEMISTRY—AGRICULTURE

Who has led in teaching Negroes to make new use of farm products? p. 366.

ENGINEERING

What advantage is found in closing windows during summer days? p. 357.

ENTOMOLOGY

How does the 13-year cicada differ from the 17-year variety? p. 360.

ETHNOLOGY

In what land is it now fashionable to have 200 wives? p. 362.

GENERAL SCIENCE

Are identical twins more alike than ordinary brothers and sisters? p. 356.

Why do dry summers cause scarcity of salmon in later years? p. 355.

MEDICINE

What new cure has been reported for gonorrhoea? p. 361.

Why are milk and cream good for stomach ulcers? p. 359.

NUTRITION

Can hair be kept from growing gray? p. 358.

OCEANOGRAPHY

How is Lewis Stone's yacht to serve science? p. 361.

PALEOBOTANY

How long ago did plants first grow upon the earth? p. 359.

PHYSICS

Can the rare gas argon be produced by transmutation? p. 358.

How does electricity serve to age brandy? p. 361.

What discovery may make it possible to give free glasses to all school children needing them? p. 365.

POPULATION

How rapidly is the population of Japan increasing? p. 356.

RADIO

Does the noise on your radio come from interstellar space? p. 360.