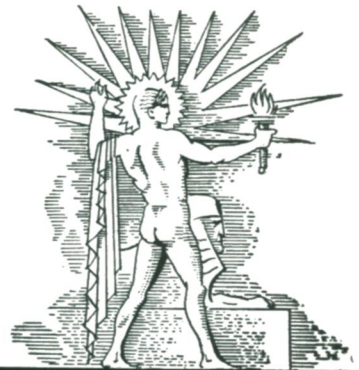


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THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



NOVEMBER 12, 1932

Showerbath of Sparks

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? DO YOU KNOW THAT ?

Roots of the mandrake plant are said to be the oldest hypnotic known to man.

Soviet Russia is experimenting with making shoe soles of viscose.

The stomach capacity of a horse is only one-tenth that of a cow.

Charles Darwin observed that, with a few exceptions, the singers among birds are small species.

Day-blooming water lilies may be kept from "going to sleep" at night by a new method using paraffin.

A copper model of a two-wheeled cart unearthed in India is said to be older than the oldest wheels from Ur and Egypt.

Automobile graveyards on vacant lots may soon be things of the past, it is predicted, since the hulks can be converted into new steel by use of a new form of briquetted ferro-alloys.

The Soviet Union, which has the largest Arctic frontier of any country, has twenty polar expeditions of various kinds organized this year.

Iron spear heads have occasionally been found embedded in the tusks of elephants.

British invention has provided a machine roller to aid paperhangers in placing wallpaper quickly and smoothly.

Less than a hundred years ago, the only way of providing milk on ocean voyages was by carrying a cow on the ship.

The famous Pontine Marshes of Italy, where malaria mosquitoes flourished, are being drained and turned into rural settlements.

A prehistoric flint mine at Ivinghoe, in England, has yielded among other relics a fine flint ax with a huge left-handed grip.

Astronomers are not yet certain whether the giant planets Jupiter, Saturn, Uranus and Neptune, have any solid surfaces.

"Gloves," consisting of a special cream rubbed on the hands, are a new idea for mechanics and painters, to prevent dirt from getting into the pores.

WITH THE SCIENCES THIS WEEK

Curiosity arousing questions for the teacher and general reader. Book references in italic type are not sources of information of the article, but are references for further reading. Books cited can be supplied by Librarian, Science Service, at publisher's price, prepaid in U. S.

ARCHAEOLOGY

How did Eskimos of Point Barrow bury their dead? p. 303.

ASTRONOMY

At what height do shooting stars appear? p. 314.

How much does Mr. Dunham's estimate cut the age of the sun? p. 304.

In what constellation is the Leonid radiant? p. 312.

What is Amor? p. 308.

Which was the most widely observed meteor shower? p. 312.

BACTERIOLOGY

What new use does a Berlin physician suggest for radium? p. 305.

CHEMISTRY

What is the value of learning how to make useless lignin? p. 309.

Who has finally devised a commercial process for electroplating tungsten? p. 308.

ENGINEERING

What is the horsepower of the world's largest Diesel engine? p. 305.

ENTOMOLOGY

What new victim has the Sicilian mealybug found? p. 309.

GEOLOGY

Why is it suggested that Texas may have had glaciers? p. 309. *Ice Ages Recent and Ancient*—A. P. Coleman—Macmillan, 1926, \$4.

HISTORY

How many miles is a "14 days-journey"? p. 306. *The Kensington Stone*—Hjalmar Rued Holand—Pioneer Pub. Co., 1932, \$3.15.

MEDICINE

How may man acquire tularemia from mosquitoes? p. 303.

MEDICINE-PHYSICS

What is a "heavy ion"? p. 304.

METALLURGY

What is the new alloy of manganese, silicon and aluminum used for? p. 312.

ORNITHOLOGY

What is the whiskey-jack? p. 314.

PHYSICS

How much lead will block cosmic rays at the earth's surface? At an elevation of 25,000 feet? p. 308.

In how many papers published during the past three years has Sir Arthur Eddington set forth his contentions about the electron? p. 303. *The Nature of the Physical World*—A. S. Eddington—Macmillan, 1929, \$3.75.

PHYSIOLOGY

How many new blood types have been found by a Danish scientist? p. 309.

PLANT PATHOLOGY

Why has elimination of *commelina nudiflora* become important to celery growers? p. 308.

A New Christmas Surprise



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