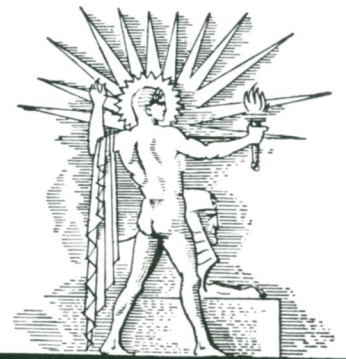


SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



APRIL 9, 1932

In Arachne's Nursery

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DO YOU KNOW THAT

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An orang-utan looks as disgusted and sorrowful in the wild as it does in the zoo, says C. E. Brown, director of the Philadelphia Zoological Garden.

In 1922, it required about 12 minutes to complete a telephone connection of the toll or out-of-town type, whereas it now takes about two minutes.

An American firm has produced a water-proof glue with the casein of soy beans.

A new map published by the U. S. Geological Survey covers an area of Virginia including Wakefield, birthplace of George Washington.

The depth of the famous Royal Gorge of the Arkansas River is found to be surpassed by the canyon of the New River, in West Virginia, which reaches a depth of 1,200 feet.

For over a year, a lighthouse in the Firth of Clyde has been broadcasting its fog horn and other signals by radio.

In the Samoan Islands, the deity presiding over warfare is a goddess.

A British insurance expert reports that bulldogs and Saint Bernards are poor insurance risks, whereas terriers and hunting dogs are good risks.

Aluminum is having competition in industry from another light material, metallic magnesium, which is obtained from brines pumped out of deep wells.

A buck deer recently shot in Pennsylvania had two legs growing directly back of the ordinary hind legs and used all six legs in running and jumping.

The White House Conference on Child Health and Protection found that there are 1,000,000 school children with weak or damaged hearts in this country.

Chemical tests show that fossil skeletons of dinosaurs still contain, after millions of years, some of the organic matter of the living animal, says a geologist of the Field Museum.

A sign language of finger and arm gestures has evolved in radio studios, for use in directing performers and technical workers.

WITH THE SCIENCES THIS WEEK

CURIOSITY-AROUSING questions are prepared concerning the most interesting and important news in each issue. These questions should be a mental stimulant for the adult reader and a boon to the teacher who uses the Science News Letter to add zest to her classroom instruction.

Book reference in italic type is not the source of information of the article, but a reference for further reading on the subject of the article. Books cited can be supplied by Librarian, Science Service, at publisher's price, prepaid in U. S.

ARCHAEOLOGY

What was done with the valuables found in the new Mexican tomb? p. 233

BIOLOGY

What is the effect of color in butterfly wings as regards photographic emulsion? p. 225

CHEMISTRY

Why is analysis of the rare earths difficult? p. 223

What effect does sulfur have on dried fruit? p. 224

What is ramie? p. 224. *Chemistry in the World's Work*—H. E. Howe—Van Nostrand, 1926, \$3.

What is the name of the new castor oil derivative? p. 224.

What vitamin do fruit juices contain? p. 234. *The Vitamins*—H. C. Sherman and S. L. Smith—Chemical Catalog Co., 1931, \$6.

ECONOMICS

Where does tung oil come from? What are its uses? p. 234

EMBRYOLOGY

What point in embryology did the new monkey colony clear up? p. 230

ENTOMOLOGY

Is the "thousand-legger" poisonous? p. 235
To what spider is the increase of arachnidism due? How can it be recognized? p. 229

GEOLOGY

Where is a dump cart for glaciers? p. 232

MEDICINE

What happens to the tongue during pernicious anemia? p. 228

What has been recently used to prevent the corrosive action of the gastric juice on the stomach lining? p. 232. *Diseases of the Stomach*—Hugh Morton—Longmans, 1931, \$4.

What is the new weapon to use against scarlet fever? p. 233

Why is use of the tourniquet held bad practice? p. 231

MICROBIOLOGY

What groups of microorganisms are responsible for the spoilage of frozen foods? p. 228

PHOTOGRAPHY

What rays enable a picture to be taken through hazy atmosphere? p. 223

PHYSICS

Why does the neutron leave no finger-prints? p. 230. *Atoms, Molecules, and Quanta*—A. E. Ruark and H. C. Urey—McGraw-Hill, 1930, \$7.

ZOOLOGY

How fast does the blue racer snake travel? p. 235