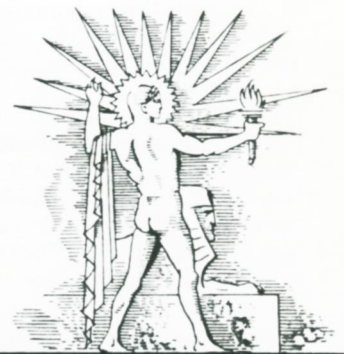


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



August 19, 1939

Proportioned Grace

See page 118

A S C I E N C E S E R V I C E P U B L I C A T I O N

Do You Know?

The Pharos of Alexandria, world-famous lighthouse, guided ships by its wood fire beacon for 1,500 years.

A protein powder extracted from whey, cheese by-product, can be whipped with water and used as a substitute for egg whites.

The longest straight and level stretch of highway in the world is said to be in Tennessee and Mississippi—33 miles without curves or grades.

A New York physician tells of working with three neighbors to clear a city lot of ragweed, and he suggests that hay fever victims could do a good deal in such ways to rid themselves of their misery.

The Burma route, which links southwest China with Mandalay, has been built by Chinese engineers over mountain passes, lakes, rivers, marshes, and forests—almost 1,000 miles of difficult engineering.

Since the water in which vegetables are cooked may have as much vitamin C as tomato juice, home economics experts advise chilling this vegetable water and serving it with a dash of lemon juice as an appetizer.

An ancient tomb recently found in southeastern Europe, in Georgia, contained a stone box in which were a Roman coin of Emperor Augustus' time, a silver buckle and belt ornaments, glass vessels and several golden plates from a burial wreath.

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 does the new Hansell blind landing system differ from others? p. 116.

AGRICULTURE

Where has the first perennial wheat been developed? p. 121.

ANATOMY

In what sport is the girl with large feet at an advantage? p. 118.

ARCHAEOLOGY

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ASTRONOMY

How many variable stars have been discovered at Harvard? p. 121.

What mysterious marking is found on spiral nebulae? p. 117.

What would happen if a star collided with the sun? p. 117.

CHEMISTRY

What nation leads the world in chemistry? p. 125.

ENGINEERING

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ENGINEERING—AGRICULTURE

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ENTOMOLOGY

How can butterflies be marked for tracing migrations? p. 127.

GEOLOGY

What have earthquake records taught scientists about mountain structure? p. 126.

INVENTION—ETHNOLOGY

What modern inventions were first discovered by the Malays? p. 120.

MEDICINE

How can electric shock be used to save lives? p. 120.

METEOROLOGY

How can the weather bureau report 99 different kinds of weather in "10 words"? p. 121.

OCEANOGRAPHY

Where do clams grow four feet long? p. 115.

PHYSICS

How can the centrifuge be used to separate isotopes? p. 125.

How can water be made to run up hill? p. 118.

PUBLIC HEALTH

How is the League of Nations aiding the Chinese? p. 124.

SURGERY

How does Mayo Clinic provide artificial noses for patients who have lost their own? p. 121.

ZOOLOGY

What is a gopher? p. 120.

Fashions in wood for furniture change, says the New York State College of Forestry, and right now favored kinds are red gum, oak, yellow poplar, birch and maple.

Makers of electrical hearing aids predict that such instruments will soon be worn as casually as eyeglasses, to aid children as well as adults who have hearing defects.

Washing eggs is not advised: water removes the "bloom" protecting the shell.

A traffic museum in Nuremberg, Germany, has probably the world's largest collection of model trains.

Radium in sea water increases with depth, so that there is almost 10 times as much at 1,300 feet as at the surface.

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