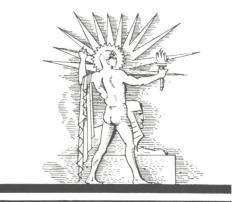
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





March 7, 1942



Tin Can Photograph

See Page 148

A SCIENCE SERVICE PUBLICATION

Do You Know?

Boulder dam is the highest in the world—726 feet.

Sweden's grain crop for 1941 is the smallest since 1917.

Lightning voltage is estimated as high as 10,000,000 to 15,000,000 volts.

The North American elf owl is the tiniest on the continent-it is no larger than a sparrow.

Tobacco of the Burley and Virginia types is now produced in Austria under German direction.

A new species of *spiderlily*, discovered in Guatemala, now is growing in Chicago's Garfield Park.

The catfish of the African swamps swims upside down on occasion—the only fish known to do so.

Germany is using over two million war prisoners and foreign civilians in her agriculture and industry.

For crossword puzzle fans—the moa is a giant flightless bird of New Zealand similar to the rhea and the emu.

Shortage of tin and shipping space has turned chemists toward research on more concentrated foodstuffs, particularly, dehydrated vegetables.

Some molecules wriggle like worms when an alternating electric field is applied, Dr. Raymond M. Fuoss of General Electric Research Laboratory has learned.

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

At what age should a boy start training for aviation? p. 150.

What can be learned about the Milky Way by study of distant galaxies? p. 149.

What are sesame seeds good for? p. 153. What happens when pineapple plants are treated with calcium carbide? p. 153.

CHEMISTRY

By what sleuthing method was the existence of a seventh B vitamin indicated? p.

How can rubber be kept young? p. 152.

CHRONOLOGY

How do members of the National Academy Sciences feel about calendar reform? p. 152.

DENTISTRY

How might diet cause trench mouth? p. 150.

ENGINEERING

How could messages be transmitted if ordinary communication methods were not available? p. 154.

What kind of paint would aid the safety of workers in a blackout? p. 153.

GEOPHYSICS

What invention for oil prospecting is patented by Ex-President Hoover's son? p. 148.

MEDICINE

How can drugs be discovered "to order" for killing specified germs? p. 149.

What new danger has been found to exist in Hawaii? p. 152.

What sort of instruction is recommended by a British medical journal for American first-aiders? p. 153.

How can a coffee can be used to aid in the improvement of steel? p. 148.

How can boiling hot ice be made? p. 151.

PHYSIOLOGY

What chemical may be essential to fatherhood? p. 147.

What animal has recently been found with a natural "permanent wave"? p. 147.

A woodpecker's tongue is longer than his head.

The homing instinct of pigeons is still a mystery.

An *electric eel* can discharge a shock of about 450 volts, enough to kill a man.

Atoms of pure iron at ordinary temperature are arranged in a crystal struc-

Because Borneo jungles are so thick, rivers are used for communication; rainfall is extremely heavy.

Some species of *mice* can jump 10 feet at a bound.

Radium evolves enough heat in an hour to melt its own weight in ice.

Pulling power of modern steam locomotives is 70% greater than in 1913.

Farsightedness is the most common visual defect among American school children.

Five pounds of whole wheat bread contain a quarter of a teaspoonful of calcium.

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