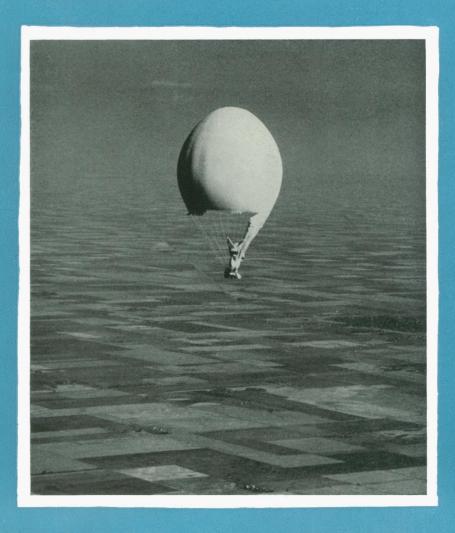
# SCIENCE NEWS LETTER

HE WEEKLY SUMMARY OF CURRENT SCIENCE •





**AUGUST 4, 1934** 



How Long Will It Hold Together? See Page 67

SERVICE PUBLICATION

# SCIENCE NEWS LETTER



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# DO YOU KNOW?

Yellow fever is endemic at present in western Africa and tropical South America.

Grapefruit were introduced into Florida by the Spaniards as early as the sixteenth century.

One-fifth of the beds in general hospitals in this country are used for patients with chronic diseases.

Paris has a cageless zoo, where even the wildest animals are separated from visitors only by wide, deep trenches.

Boundary lines of the Navajo reservation, heretofore somewhat vague, have been fixed by a new act of Congress.

A farm tractor controlled by radio from the farmhouse is being exhibited at the Century of Progress in Chicago.

To study cosmic rays, Soviet scientists will have a laboratory on Mount Alagoz in Armenia, 14,400 feet above the sea.

The largest American bats, found in Brazil, have a wing spread of over two

When brass corrodes there is an actual change of composition of the alloy at the corroded points, with a loss of zinc.

The egg of a marbled Murrelet has been found on Vancouver Island, and is said to be the second egg of this bird ever discovered.

The land bridge of the Isthmus of Panama first linked the Americas about 20,000,000 years ago, according to a geological estimate.

Thirteen deer, shipped from Mount Vernon to the Shenandoah proposed national park, have been released in an ideally wild home.

Government chemists have made an alkaline ink that seems to be harmless to paper, in contrast to deteriorative effects of acid writing inks.

## WITH THE SCIENCES THIS WEEK

AFRONAUTICS

What happens when an airship stalls? p. 73. Who has the official record for altitude in the stratosphere? p. 68. Exploring the Upper Atmosphere—Dorothy Fisk — Oxford, 1934, \$1.75.

ARCHAEOLOGY
Who was the Toltec's god of the wind? p.

How can winter comfort be attained by the astronomer? p. 76.

What color is Saturn? p. 74. The Earth and the Stars—C. G. Abbot—Van Nostrand, 1935, \$3.

BOTANY What part of the fern is good to eat? p. 79.

CHEMISTRY

Are feathers likely to come back into use for pens? p. 72.

Have attempts to make rain ever been successful? p. 71.

CLIMATOLOGY

Is the raising of corn older than our present climate? p. 70. Climatic Changes, Their Nature and Causes—Ellsworth Huntington and Stephen S. Visher—Yale, 1922, \$3.50.

How can engineers determine how much air passes through a sheathing paper? p. 73.

ENTOMOLOGY

How can schedules be determined for properly timing insect spraying? p. 73.

ICHTHYOLOGY

How many eggs does the female trout yield a season? p. 78.

What temperature of water do migrating fish prefer? p. 72.

Can physicians see through human tissues? 72. How is deformity prevented in infantile paralysis patients? p. 78.
What is pseudorabies? p. 71.

METEOROLOGY
What causes the failure of the usual northwesterlies? p. 70.
What place in the United States has a temperature range of 106 degrees? p. 73.
Why is the water level of rivers likely to be
low in winter? p. 69.

ORNITHOLOGY
What do birds die of? p. 69. Why are ornithologists interested in raising ptarmigan? p. 77.

PALEONTOLOGY
How can scientists discover the age of the Fiji Islands? p. 72.

PHYSICS

How does the density of liquid air compare with that of human tissue? p. 76.

How does a rotor aid in the study of protein? p. 76.

How large is an angstrom? p. 79.

Public Health
How may amebic dysentery germs be removed from a water supply? p. 72.

ZOOLOGY
Are goats native to the Hawaiian Islands? p. 78. What prince lost his last buffalo? p. 77.

These curiosity-arousing questions show at a glance the wide field of scientific activity from which this week's news comes. Book references in italic type are not sources of information for the article, but the references for further reading. Books cited can be supplied at Book Department, Science News Letter, at publishers' prices, postpaid in the United States.