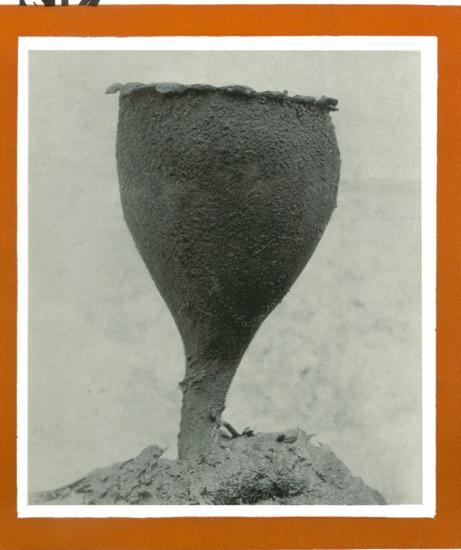
# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





SEPTEMBER 2, 1933



Design For an Urn

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## DO YOU KNOW?

The world now has more than 500 cities with 100,000 or more population.

About 14,400 American Indians are engaged in reforestation work under the President's Emergency Conservation Program.

Fresh vegetables kept in warm temperatures lose more of their sweetness than vegetables kept in a cool place.

The Romans gave the gladiolus its name—meaning little sword—because the long leaves reminded them of the weapons.

The gypsy moth, now a serious menace to American trees, was introduced from France in 1869 on the fanciful notion that the moths could be crossed with silkworm moths to produce a hardy race of silk-producing insects.

A new recreation map of the United States, issued by the office of national parks, shows more than a thousand federal and state reservations of interest to the traveling public.

Glass manufacture uses the largest industrial furnaces in the United States.

So far no earthquake centers have been located at or near the North or the South Pole.

An Apache Indian girl shows her endurance and fitness for womanhood by a ceremony in which she must dance all night.

To combat the destruction wrought by caterpillars in German forests, officials use a corps of ten airplanes to spread insecticide dust in caterpillar

Blueberry farming in New England has been stimulated by a new and efficient device for winnowing the berries, separating good berries from green and spoiled ones.

While digging foundations for a new wing of a hospital at Larnaca, Cyprus, workmen recently found a hoard of several hundred ancient coins, mostly fifth century B.C.

## WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY
What makes Peruvian whistling jugs whistle?
p. 149. Ancient Civilizations of the Andes—
Philip A. Means—Scribner's, 1931, \$7.50.

At what rate were meteors seen during the Perseid shower? p. 155.
What are "holes in the sky?" p. 151.

BACTERIOLOGY

How may freak growths of bacteria be produced? p. 153.

BOTANY What furnishes an urn pattern older than the urn? p. 157.

BOTANY—ENTOMOLOGY
Why are Australians indebted to Cactoblastis? p. 159.

CHEMISTRY

CHEMISTRY
How many Americans died from gas in the World War? p. 153.
What happens to kraut juice stored in red bottles? p. 151.
What is the richest natural source of "heavy" water? p. 149.
What is America's rank as a potash-producer? p. 154.
Where is ozone most abundant? p. 148.

Dendrology
Where does the hackberry tree grow? p. 159.

ENGINEERING

ENGINEERING

Do automobiles really need an "emergency" brake? p. 152.

Why are rubber tires desirable for tractors? p. 153.

How may idle boilers be kept from rusting? p. 149.

What army unit is being motorized most rapidly? p. 152.

LINGUISTICS

What is Landa's alphabet? p. 154. Ancient Givilizations of Mexico and Central America—Herbert J. Spinden—American Museum of Natural History, 1928, \$1.

MICROCLIMATOLOGY
What is a micro-climate? p. 152.

PALEOBOTANY

Where have fern prints been left in lava? p. 156.

PHILOSOPHY
What will be the fate of man 50,000,000 years hence? p. 157.

PHYSICS

Can blind men measure the velocity of sound accurately? p. 153.

How may ultraviolet light be used to test paint? p. 155. Artificial Sunlight—M. Luckiesh—Van Nostrand, 1930, \$3.75.

Who offers a reconciliation of classical with quantum physics? p. 148.

PHYSIOLOGY

How did Beethoven hear his own music? p. 153.
Will muscle fibers give rise to new fibers?

PLANT PHYSIOLOGY

How is hydrocyanic acid generated by mushrooms? p. 152.

PSYCHOLOGY
Which of their past jobs will applicants at
U. S. Employment offices be asked to describe?
p. 148.

RADIO
What was the length of the ultra-short waves that Marconi curved around the earth? p. 147.

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 of the article, but are references for further read-ing. Books cited can be supplied by Book Dept., Science News Letter, at publishers' prices, pre-paid in the United States.