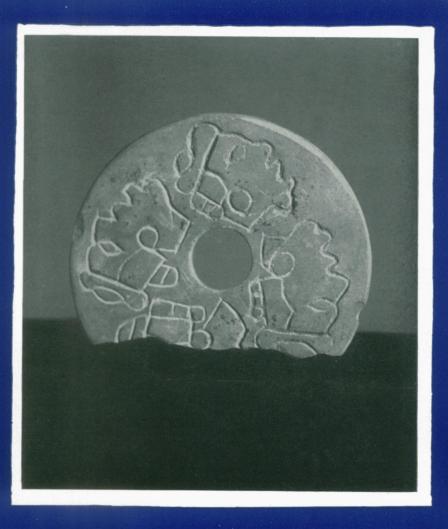
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





AUGUST 25, 1934



Oklahoma Earring

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DO YOU KNOW?

There are six kinds of lightning: ball, bead, ribbon, rocket, streak, and zigzag.

The Field Museum herbarium, in Chicago, now contains over 700,000 plant specimens.

Photographs showing that lightning does strike in the same place twice, or more often than that, have been obtained by electrical engineers.

The Soviet Union has almost 800 engineers and chemists, all young, at work on research connected with synthetic rubber.

A psychologist, collecting fragments of conversation, reports that weather is far from the favorite topic; business, men, and clothes are much more discussed.

A new family of wood-boring insect immigrants almost slipped into the United States recently when a customs inspector found them in the wood of an old oil painting.

Europe expects to harvest an unusually big walnut crop this year.

The United States' birthrate declined from 38 per thousand in 1870 to 18 per thousand in 1931.

Why cocks crow at midnight is being investigated by a French astronomer who says he has often heard and noted the time of this crowing.

The longest incandescent lamp in commercial use is the "yardstick" so called because it stretches light along a 34-inch tungsten wire.

In five years, the plant at Amarillo, Texas, has produced more than 57 million cubic feet of helium, or about half of all the helium ever recovered in the world.

Tuberculosis was once so poorly understood and so feared that one Congressman introduced a bill to require a tuberculous person to wear a bell or rattle to warn all other people.

WITH THE SCIENCES THIS WEEK

AGRICULTURE Has the U. S. S. R. any wheat to sell? p.

Are research and crop limitation reconcilable? p. 117.

Anthropology
Are sextuplets possible? p. 116.

Of what use is a flat mirror to astronomers? p. 120.

Where was the most recently observed comet located? p. 121.

BOTANY

Where can we find new grasses for our pastures? p. 119.

CHEMISTRY
Of what use is milk to a paper-maker? p. 120.

Can vitamin E be identified with light? p. 120.

ECONOMIC ZOOLOGY

How can parasites of domestic animals be fought most effectively? p. 118. Common Pests—R. W. Doane—Thomas, 1931, \$4.

ENTOMOLOGY
When do grasshoppers lay their eggs? p. 126.
Fundamentals of Insect Life—C. L. Metcalf and
W. P. Flint—McGraw-Hill, 1932, \$4.

ETHNOLOGY

Why was Hiawatha a cannibal? p 122.

How many forest fires have there been so far this season? p. 118.

GEOLOGY

When will Niagara wear out? p. 119.

MEDICINE

Where is sprue most common? p. 119.

OCEANOGRAPHY
When was the new bathysphere record established? p. 120.

PALEONTOLOGY

What kind of an animal was Plesippus? p. 120. A History of Land Mammals in the Western Homisphere—W. B. Scott—Macmillan, 1924, \$6.50.

PHILATELY
Who cluttered up the White House with dinosaur bones? p. 125.

What do gamma rays do to heavy hydrogen atoms? p. 121.
What is the use of X-rays bounced off streaks of metal? p. 124.
How can you squeeze a voice? p. 125.

PHYSIOLOGY

How is hemophilia transmitted? p. 124.
Evolution, Genetics and Eugenics—Horatio
Hackett Newman—Univ. of Chicago Press, Hackett Ne. 1925, \$3.50.

PHYTOPATHOLOGY
How are plant diseases fought? p. 115. The
Scientific Principles of Plant Protection—Hubert
Martin—Longmans, Green, 1928, \$8.40.

RADIO
What does the moon do to radio reception? p. 121.

VETERINARY MEDICINE How can X-rays help sick animals? p. 121.

ZOOLOGY

Is a rattlesnake born with a "button"? p. 126.

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 references for further reading. Books cited can be supplied by Book Department, Science News Letter, at publishers' prices, postpaid in the United States.