SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





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Johannes, Disciple of Patrick
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DO YOU KNOW?

An oyster egg is about one five-hundredth of an inch in diameter.

Sea beans of the tropics sometimes float thousands of miles, turning up on the beaches of northern Europe.

Chemists have produced a concentrated apple juice that can be mixed with water to make a drink tasting like fresh apple juice.

At the 1851 exposition in London, gas lighting effects which illuminated the buildings were one of the spectacular attractions.

Two swords and several other relics of the Shang dyansty, twelfth century B.C., were recently found by a farmer in the northern province of Shansi, China.

In the ancient cities of Herculaneum and Pompeii, real estate advertisements were painted on the sides of buildings.

The average cigar contains about ten times as much tobacco as an ordinary cigarette, according to one weighing test.

A method of keeping orange juice in cold storage without sterilization has been perfected at the Florida Agricultural Experiment Station.

For every lower animal that scientists know that lived on earth in ancient times, there may have been a hundred that are not yet discovered.

Spanish explorers and colonizers not only carried fruits of the New World back to Europe, but brought figs, olives, and other Old World plants to the New.

WITH THE SCIENCES THIS WEEK

AERONAUTICS—METEOROLOGY
How are airships protected against lightning?
p. 164.

ANTHROPOLOGY How often should children be measured? p.

ARCHAEOLOGY How can you bore a hole through stone with a wooden drill? p. 163.

How long a pedigree did St. Peter's rooster have? p. 167.

What wheat did New Stone Age farmers grow? p. 172.

ASTRONOMY

How fast does the earth travel? p. 169. How substantial is a nebula? p. 164. When was September the seventh month? p.

CHEMISTRY

How many atoms in a deuterium molecule? p. 168.

ENDOCRINOLOGY

Do glands make a Dickens? p. 165.

What does the adrenal cortex have to do with opsonin? p. 175.

Is there anything that grasshoppers won't eat? p. 168.

What does the New Deal in forestry promise? p. 167. The Development of Governmental Forest Control in the United States—Jenks Cameron—Johns Hopkins Press, 1928, \$3.

Why is the white potato also called the "Irish potato?" p. 175.

When did crocodiles live in Palestine? p.

HISTORY OF ASTRONOMY
What astronomers used strings instead of telescopes? p. 173.

MATHEMATICS
What is the esthetic rating of a square? p.

MEDICINE How does poliomyelitis travel? p. 169.

METEOROLOGY

How quick is quick as lightning? p. 163.

How are contact eyeglasses held in place? p.

PHYSICS How can a positron be saved from annihilation? p. 166.

PHYSIOLOGY

How does heavy water make a man old? p. 168. How much blood goes through your head while you are unconscious? p. 169.

PLANT PATHOLOGY What does mosaic disease do to peas? p. 166.

PLANT PHYSIOLOGY
What makes cells run backwards? p. 165.

PSEUDETH NOLOGY Who gets blamed for the Fall of Rome? p.

PSYCHOLOGY
What is the advantage of "overlearning?" p. 172.

PUBLIC HEALTH

How much carbon monoxide is likely to be in an automobile? p. 173.

RADIO How high is the "radio roof" at the ends of the earth? p. 165.

SEISMOLOGY Where were the epicenters of the March 7 and March 12 quakes? p. 169.

ZOOLOGY Who's afraid of the big, bad snake? p. 166. Snakes of the World—Raymond L. Ditmars—Macmillan, 1931, \$6.

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 by Book Department, Science News Letter, at publishers' prices, prepaid in the United States.