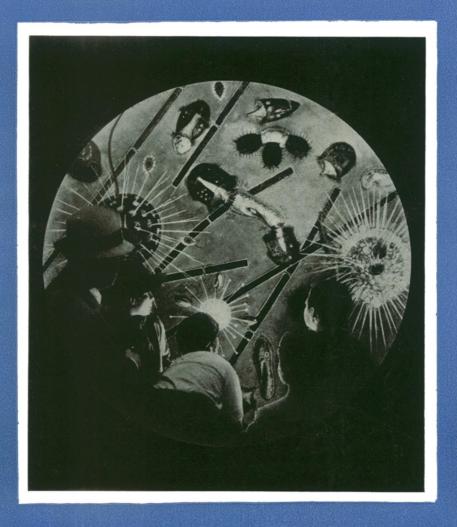
# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





**SEPTEMBER 30, 1933** 



First Glimpses of a New World

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SCIENCE SERVICE PUBLICATION

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# DO YOU KNOW?

Palestine now has over a million people, including 174,600 Jews.

Genoa, home town of Columbus, is to have its first 20-story skyscraper.

Remains of a glass furnace used by settlers at Jamestown, Virginia, have been discovered.

While mineral waters of Hot Springs, Arkansas, are radioactive, they possess no actual radium in solution.

The new factory building of a paper company is lighted and aired artificially, but has imitation windows of white brick, just to make it look natural.

The Federal District of Mexico, which contains the capital city, is about eight times as large as the District of Columbia in the United States.

A Dutch mathematician of the sixteenth century worked out the value of 'pi" to 35 decimal places and the long number was carved on his tombstone.

Raw Para rubber comes to market in great balls weighing about 60 pounds.

Ten thousand dishpans are being used as reflectors for electric lights at Boulder Dam.

Fishermen often discover schools of fish by watching the sea birds that noisily pursue the fish for food.

One thunderstorm in ten years is about what weather men say you can expect in localities north of the Arctic circle.

An old cuneiform tablet from Assyria, among the dental exhibits at the Chicago fair, expresses the ancient view that worms caused decay in the

The Indiana State Medical Association has issued an appeal to housewives to keep lye and other poisonous cleaning preparations out of reach of the children, who might try tasting them.

## WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY

How did the ancient Mayas smooth their roads? p. 213.

How is the age of a long-lost mitten determined? p. 217.

Why was "stone" a measure of time for the Mayas? p. 223.

What were "Cortez's deer"? p. 213.

ASTRONOMY

What are Saturn's rings made of? p. 218. ther Worlds-E. L. Moseley-Appleton, Other Worlds—E. 2. 1933, \$2. Where is Zerlina? p. 216.

BIOCHEMISTRY

What is the latest possible use for methylene blue? p. 221.

BIOLOGY

Are protozoa ever fierce? p. 214. Biology of the Protozoa—G. N. Calkins—Lea and Febiger, 1933, \$7.50.

BOTANY

How abundant are the fungi? p. 216. Fungi and Human Affairs—W.: A. McCubbin— World Book Co., 1924, \$1.00.

CHEMISTRY

CHEMISTRY
What did 27 generations of rats teach that is of interest to people who wish to live long? p. 220.
What was the starting point in the production of artificial rubber? p. 219.

COSMOLOGY
What is the distance record for nebulae? p.

Demography
Why are the people of the United States growing older? p. 212.

Education

How many doctors' degrees in science were granted in 1933? p. 217.

How fast can concrete be poured? p. 216. The New Stone Age—H. E. Howe—Century, 1921, \$3.00.

ENTOMOLOGY

What do cocoons contain? p. 212.

HISTORY OF SCIENCE
Who became famous because of a hole in his stomach? p. 211. Experiments and Observations on the Gastric Juice and the Physiology of Digestion—William Beaumont (facsimile reprint, edited by Sir William Osler)—Harvard Univ. Press, 1929, \$3.

ORNITHOLOGY What community is courageous enough to import storks? p. 217.

PALEONTOLOGY

What huge handicap does the discoverer of dinosaurs face? p. 216.
Where did Megatherium live? p. 217. The World of Fossils—C. L. Fenton—Appleton, 1933, \$2.

PHYSICS

How do chemists know that chlorine aroms are six hundred-millionths of an inch apart?
p. 222.

What is the most effective atomic heart-breaker? p. 220.

PSYCHOLOGY Under what circumstances is an argument most effective? p. 216.

Public Health
How long since the X-Ray was merely a scientific toy? p. 221.

STATISTICS
What was the last state to be included in the death registration area of the U. S.? p. 216

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, prepaid in the United States.