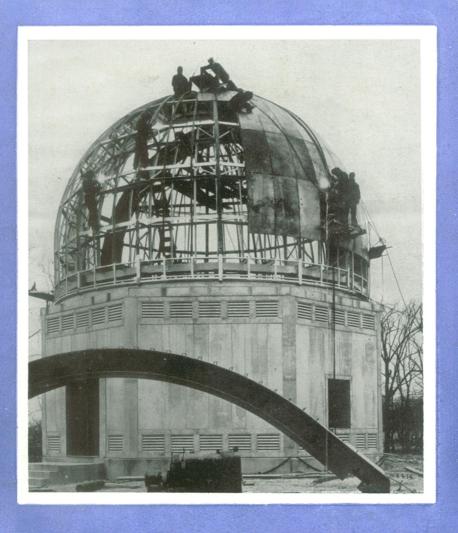
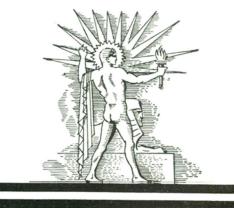
# SCIENCE NEWS LETTER







MAY 13, 1933



Rising Silently To Protect Nation's Time See Page 303

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# DO YOU KNOW?

The first record of using explosives in mining goes back to 1627.

Approximately two-thirds of the world's production of camphor is used by makers of plastics.

Psychological tests at the University of California indicate that the slow thinker is not necessarily dull.

A check-up of the number of carriers of typhoid and paratyphoid fever in New York State showed 620 of them in 1932.

At the present rate of ice recession, the glaciers of Mount Rainer National Park probably will disappear in a few thousand years.

The Chalice of Antioch, believed by some experts to date from the first century A.D. and associated with Christian tradition, will be exhibited at the Chicago Fair.

The Great Comet of 1811 was bigger than the sun.

A Roman theater of the first century B.C. has been unearthed at Merida, Spain.

A new use for cotton is in making bearings for machinery operating at very high pressures.

A new German process produces a thin oxide coating on aluminium, thus protecting the aluminium from corrosion.

A new material for dental plates is said to have unusual strength, to retain its form indefinitely, and to have the natural color of skin tissue.

According to the National Industrial Conference Board, the industrial population of the United States has lost more than half of its 1929 purchasing

## WITH THE SCIENCES THIS WEEK

Acoustics
What sounds travel best through a fog? p.

AGRICULTURE

What does Secretary Wallace consider the new job of the Department of Agriculture? p. 302.

ANATOMY
What is pia mater? p. 294. Brains of Rats and Men—C. Judson Herrick—Univ. of Chicago,

ANTHROPOLOGY
What is the most frequent color in babies' eyes? p. 299.

ARCHAEOLOGY
How far back have ruins of the Southwest been dated? p. 293. Ancient Americans—Emily C. Davis—Holt, 1931, \$3.50.
What did fish mascots mean to the Chaldeans? p. 291. Ur of the Chaldees—C. Leonard Woolley—Scribner's, 1930, \$2.50.

ASTRONOMY

During a lunar eclipse, why is the earth's shadow on the moon not entirely dark? p. 297.

AVIATION
What do aviators mean by "parasitic drag?"
p. 292.

BACTERIOLOGY

Are swine a source of undulant fever? p. 297.

BIOLOGY
What animal can grow on food hitherto thought to be useful to green plants only? p.

How much damage at fires is caused by water? p. 297.

What dilution of alcoholized gasoline has been tested in this country? p. 301.

Why is the cyanide bath for copper-plating unsatisfactory? p. 296.

GENETICS

Can male- and female-producing spermatozoa be separated? p. 300.

IMMUNOLOGY

What is the pneumococcus? p. 291.

How are cancerous and normal cells unlike? p. 300. How does the new yeast-like organism attack

men? p. 292.
What is the first sex hormone used to fight bacterial infection? p. 293.

What are the characteristics of this year's tornadoes? p. 296. Why the Weather?—C. F. Brooks—Harcourt Brace, 1924, \$2.

PHYSICS How old was Elihu Thompson when he built his first electrical device? p. 298.

Physiology How do germs limit their own invasion of the body? p. 297. Why do catfish nerves make good study mater-ial? p. 292.

PLANT PATHOLOGY
What is the second host to white pine blister rust? p. 303.

POPULATION

When will people return to the cities from the farms? p. 301.

PSYCHOLOGY

Do birds of a feather flock together? p. 293.

Public Health
Why is cancer of the mouth and cheeks common in the Philippines? p. 296.

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 U. S.