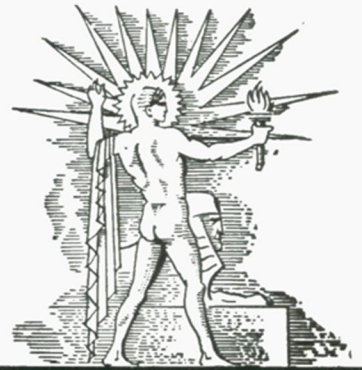
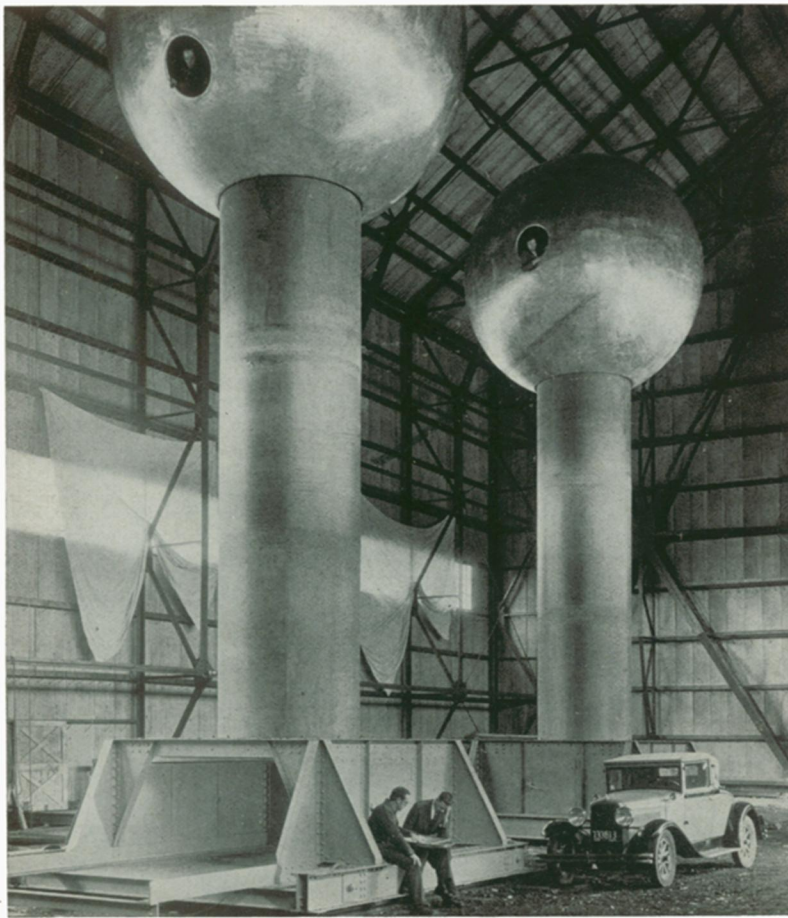


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



JANUARY 14, 1933

New Atom Smashing Machine

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## DO YOU KNOW THAT

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New York State reports that in 1932, for the first time in years, its cancer death rate did not increase.

Study of beautiful snow crystals shows that the higher the air in which the crystals are formed, the simpler and plainer are the patterns.

A stone head of Buddha, acquired by the Cleveland Museum of Art, is reported to have come from Angkor Wat, the famous ruins of ninth century Cambodian glory.

A mysterious driftwood of unknown origin has been found in the Philippines, and has aroused interest because it has but half the weight of balsa, lightest wood in commercial use.

A dairy specialist says that cream from pasteurized milk may look thinner than unheated cream because the butter fat does not clump, but in reality the heated cream is just as rich in butter fat.

The history of the Rhode Island Greening apple is traced back to a seedling that stood in a tavern yard near Newport about 1700.

Peiping has a new museum called the Fan Memorial Institute of Biology, which, it is hoped, will become the "Smithsonian" of China.

The Chinese practice of footbinding for girl children is said by some to have started about 1100 B.C., when China had a club-footed Empress.

Apple trees that were artificially lighted yielded fewer wormy apples, from which scientists concluded that light tends to deter codling moths from egg-laying.

The student health service at the University of Michigan has figured the odds on chances of catching cold, finding that out of every 1,000 persons, 926 will catch one cold a year.

## WITH THE SCIENCES THIS WEEK

Curiosity arousing questions for the teacher and general reader. Book references in italic type are not sources of information of the article, but are references for further reading. Books cited can be supplied by Librarian, Science Service, at publisher's price, prepaid in U. S.

### ARCHAEOLOGY

How far below the present level is London's main street of the first century? p. 20.

### BACTERIOLOGY

May cold germs at times be harmless? p. 25.

### BIOLOGY

How many sheep were killed by bitter rub-berweed during the past two winters? p. 25.

### BOTANY

Can chlorophyll work without living matter? p. 20. *The Green Leaf—D. T. MacDougal—Appleton, 1930, \$2.*

### CHEMISTRY

How much hay is lost in the United States each year in fires started by spontaneous ignition? p. 26.

### ECOLOGY

Has vegetation of the north recovered from the last ice age? p. 23. *Plant Sociology—J. Braun-Blanquet, trans. by George D. Fuller and Henry S. Conard—McGraw-Hill, 1932, \$4.50.*

In what two months do snakes grow fastest? p. 25.

### ENDOCRINOLOGY

What are "adenomata"? p. 24.

### ENGINEERING

How many dollars per day will be saved with aluminum tank trucks? p. 21.  
What is the largest ship in the world? p. 29.

### ENTOMOLOGY

How do caterpillars give evidence of hearing? p. 19.

What becomes of the arsenic an insect eats? p. 24.

What insect family is older than the cockroach? p. 31.

### ETHNOLOGY

For whom was "God Chiniginchin" a deity? p. 29.

### HEREDITY

How were genes measured without being seen? p. 21. *Principles of Genetics—Edmund W. Sinnott and L. C. Dunn—McGraw-Hill, 1932, \$3.50.*

### MATHEMATICS

Is unemployment insurable? p. 24.

### MEDICINE

How were monkeys protected from infantile paralysis? p. 21.

May malaria be acquired by a chicken? p. 25.

### NATURAL RESOURCES

How long will coal and oil last? p. 19. *Conservation of our natural resources—Loomis Havemeyer—Macmillan, 1930, \$4.*

### PHYSICS-ARCHAEOLOGY

How was King Tut's purple gold colored? p. 30.

### PHYSICS

What gas may when excited produce the northern lights? p. 19.

Where will men be safely subject to 10,000,000 volts? p. 26.

### PUBLIC HEALTH

Has the weather of the past few years been favorable to health? p. 22.

Where is the influenza epidemic still strong? p. 25.

### SOCIAL SCIENCE

How much land in the country has been damaged by erosion? p. 27.

### STATISTICS

In what country does the average person live longer than 64½ years? p. 22.

### ZOOLOGY

What is "ectogenesis"? p. 31.