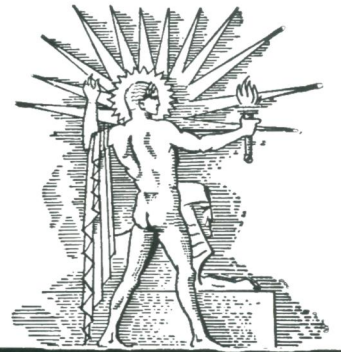


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



JUNE 23, 1934

Young Warriors in Their Castle

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## DO YOU KNOW?

China is the largest producer of musk for the perfume trade.

An electric "tongue" has been devised which can be used to test the amount of acid in fruit juices.

A ball-bearing aerial train of Russian design is to be tried on an experimental line near Moscow.

A new method of processing maple sap gives about ten times as strong a maple flavor as the ordinary process.

It is reported that the "electric eye" device can be made to serve crippled children, so that a helpless patient can ring for a nurse or can turn the pages of a book merely by a nod of the head.

The addition of calcium chloride to ingredients used in concrete permitted the opening of a thoroughfare in Washington, D. C., to heavy traffic nine hours after the concrete had been placed.

Panama has begun this year to try raising enough rice to supply its own wants.

Tests have shown that three northern hardwoods, beech, birch, and maple, can be used to make high grade paper.

Chemical fertilizer manufacturers in the Irish Free State are producing a new manure from sugar beet factory waste.

A shark's tooth, probably a relic of a vast prehistoric sea, recently was found embedded in the sandstone of the Grand Canyon.

The Near East was the first place where petroleum was discovered but has been one of the last places to develop a petroleum industry.

A successful method of making vinegar permanently clear and bright may be applied to the clarification of other fruit products marketed in glass.

## WITH THE SCIENCES THIS WEEK

## AGRICULTURE

Why was a pest-eating toad kept out of Florida? p. 391. *Reptiles and Amphibians*—Thomas Barbour—Houghton Mifflin, 1926, \$3.50.

## ANTHROPOLOGY

What are the tools of those who try to salvage human bones from rock? p. 398.

## ARCHAEOLOGY

What was the most sumptuous city in the world in the tenth century? p. 392.

## ASTRONOMY-PHYSICS

What happens when a star blows up? p. 390.

## AVIATION

What causes an airplane propeller to break? p. 392.

## CHEMISTRY

Why does nitrogen give force to an explosive? p. 390.

## ENGINEERING

Where is the most beautiful small bridge built during 1933? p. 387.

## ENTOMOLOGY

Where does the chinch bug spend the winter? p. 388. *The Insect Menace*—L. O. Howard—Century, 1931, \$3.50.

## ETHNOLOGY

How can a song be photographed? p. 393.

## GENERAL SCIENCE

How many members has the Science Advisory Board? p. 393.

## MEDICINE

How can a support aid in the treatment of gastric ulcer? p. 392.

How does timothy aid the hay fever victim? p. 393.

What care should be observed in administering oil to infants? p. 387.

What causes prolific growth of cells in a mother before the birth of her child? p. 396.  
What cheap food prevents pellagra? p. 394.  
What effect has vitamin A on colds? p. 393.  
What serves as a barrier in the body to the spread of cancer cells? p. 389.

When is hay fever at its height? p. 389. *Asthma, Hay Fever and Related Disorders*—Samuel M. Feinberg—Lea and Febiger, 1934, \$1.50.

## METEOROLOGY

Why are the most frequently tried methods of rain making impractical? p. 397. *Plant Ecology*—J. E. Weaver and F. E. Clements—McGraw-Hill, 1929, \$5.

## PHYSICS

How can phosphorus be made non-inflammable? p. 399.

How do chemical tests prove radioactivity? p. 387.

## PHYSIOLOGY

What is the Zondek-Asheim test? p. 393.  
What is there in tobacco besides nicotine that harms some people? p. 392.

## PSYCHIATRY

What mental disease had Shakespeare's Timon of Athens? p. 398.

## PUBLIC HEALTH

What county is suffering most from infantile paralysis? p. 388.

## SEISMOLOGY

Where are the Kurile Islands? p. 392.

*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.*