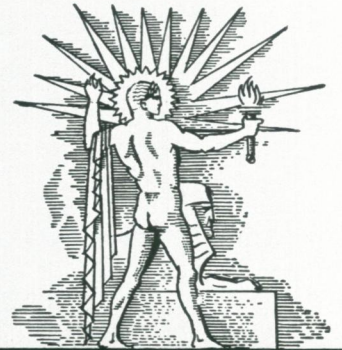


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



DECEMBER 8, 1934

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## SCIENCE NEWS LETTER

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## DO YOU KNOW?

Cellophane is lending itself to novelty fabrics for draperies and curtains.

An indicator has been developed to detect deterioration in canned goods.

There are more than 200 forms of black stem rust attacking different kinds of wheat.

A new metal polish comes in a tin can, in the form of a powder, to which water is added.

Automobile lens glass has been adapted to museum lighting, at the Museum of Fine Arts, Boston.

Science does not yet definitely know how the craters, plains, and mountains on the moon were formed.

Among the lessons found useful to 4-H farm club boys and girls are the tricks of tying various knots and handling rope.

Australia's freedom from serious epidemic diseases is attributed to the time taken for ships to reach her ports from infected countries, thus giving disease a chance to show itself before passengers reach Australian shores.

The hand of the great apes is more highly specialized than a man's hand, but man's foot is the more highly specialized.

The Japanese beetle, entrenched in twelve eastern states, made a new record for itself this year by appearing in Missouri and Indiana.

The U. S. Bureau of Plant Industry is requesting samples of nuts from the country's best nut-bearing trees, to aid in its work of improving stock.

The red cottage on the tuberculosis Christmas seal is the cottage at Saranac Lake, where Dr. Edward Trudeau initiated sanatorium treatment for this disease in 1885.

By "resilvering" its 27½ inch telescope mirror with aluminum instead of silver, the University of Michigan Observatory will increase reflecting power 50 per cent.

In excavating Dura on the Euphrates, archaeologists found human skeletons in some shops, suggesting that shopkeepers died defending their property or were burned to death in the Persian raid of 256 A.D.

## WITH THE SCIENCES THIS WEEK

## ARCHAEOLOGY

What empire may have been the link between western and eastern civilization? p. 356.

What evidence was found of the age of America's most ancient man? p. 355.

What was the greatest rival of Christianity in the third century? p. 362.

Where did the Mandan Indians live? p. 364.

## ASTRONOMY

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## CHEMISTRY

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## ENGINEERING

Are the newly electrified railways likely to be rendered obsolete soon? p. 362.

## HORTICULTURE

Can blight-immune potatoes be grown to commercial size? p. 361.

## MEDICINE

What advantages does the giant X-ray tube have for cancer treatment? p. 360.

What new hope do physicians have for the cure of rheumatic heart disease? p. 355.

## METEOROLOGY

What can the temperature of the ocean tell scientists about the weather? p. 363.

## OCEANOGRAPHY

What quantities of seaweed float on Sargasso Sea? p. 365.

## ORNITHOLOGY

What does a goose-swan hybrid look like? p. 359.

## PALEONTOLOGY

When did a real sea serpent swim in Virginia seas? p. 360.

## PHYSICS

How are cosmic rays measured? p. 366.

How has spectral analysis been speeded up? p. 363.

## PHYSIOLOGY

How can a measure be made of the temperature of air in the lungs? p. 357.

## PSYCHOLOGY

What two emotions are expressed by similar gestures of the hands? p. 358.

## RADIO

How do short radio waves travel? p. 361.

## VETERINARY MEDICINE

Is a caesarian operation successful on wild animals? p. 360.