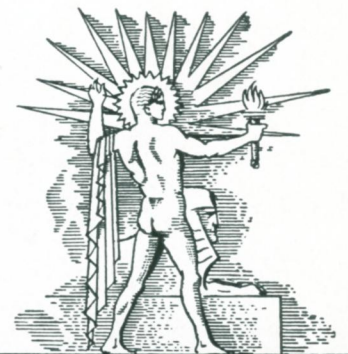


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



SEPTEMBER 12, 1936

Youth on the Moon

See Page 172

A S C I E N C E S E R V I C E P U B L I C A T I O N

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## Current Science

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## DO YOU KNOW?

Mexico's great estates, that date from old Spanish land-grant days, are being broken up and distributed among the common people.

The Diving Spiders of India dive several inches under water when frightened or when hunting food, and can stay below for more than 20 minutes.

Zinc can now be deposited over steel or iron to protect it with a surface that is brilliant, rather than the well-known dull gray color of ordinary zinc plating.

In 1918, 34 per cent of the Jewish school children in Palestine suffered from trachoma, serious eye disease; now the disease afflicts less than five per cent.

Citrus wines have been developed by government scientists in Florida.

Nearly one-half of the land and water in the Arctic regions is controlled by the U.S.S.R.

Color of honey has nothing to do with its purity, but the lighter colored honeys are generally milder, and the darker kinds are stronger flavored.

A physician examining Canadian Eskimos was surprised to find nine Eskimos with foreign bodies in the eye, not even aware of an irritating object.

Thorns of the agave or century plant were used as pins and needles by Aztec Indians of Mexico.

Lacking enough land area for extensive sheep raising, Japan is building up an artificial wool industry.

Green glass blackboards are now being made, with the claim that they eliminate glare and lessen eye strain.

Tests show that an automobile that can travel 18 miles on a gallon of gasoline at a speed of 30 miles an hour, will travel only 12 or 13 miles on a gallon at 60 miles.

On his first voyage to the New World, Columbus ascertained his latitude by watching the sun, and using a quadrant and astrolabe.

Nearly 70 per cent of the farm houses in New Hampshire are equipped with electricity, making this state the leader in "electrified farms."

Smoke screens were tried out in battle as early as 50 B.C.

Plants may get badly sunburned if exposed to direct hot sunlight after being kept indoors during the winter; so, it is wise to make the light change gradual.

## WITH THE SCIENCES THIS WEEK

Most articles are based on communications to Science Service or papers before meetings, but where published sources are used they are referred to in the article.

## ASTRONOMY

Of what do the diffuse nebulae consist? p. 164.

Why do the stars shine on apparently without end? p. 164.

## CHEMISTRY

Can gas isotopes be separated? p. 173.

How can farm wastes contribute to the field of medicine? p. 168.

## ETHNOLOGY

How did the ancient Peruvians pray? p. 168.

## MATHEMATICS

What do mathematicians mean by "uncertain inference"? p. 165.

Who has extended Einstein's theory of relativity? p. 165.

## METEOROLOGY

How are hurricanes studied? p. 169.

## PHYSICS

Is there a link between relativity and the quantum theory? p. 163.

What must be true of cosmic rays if they are only electrified particles? p. 165.

## PHYSICS-PHYSIOLOGY

How thin a film can the eye detect? p. 174.

## PHYSIOLOGY

How will study of the brain waves aid science? p. 163.

Which of the endocrine glands has most power over behavior? p. 166.

## PSYCHIATRY-PSYCHOLOGY

How can the psychogalvanometer be of possible use to the psychiatrist? p. 175.

## PSYCHOLOGY

Do infants retain an impression of the words they hear? p. 169.

Does the baby's world have any independent permanence? p. 167.

What instinctive factors does Jung list as controlling behavior? p. 166.

What makes a little child laugh? p. 168.

## PSYCHOLOGY-PHYSIOLOGY

Why are sounds below 15 cycles in frequency not audible? p. 172.