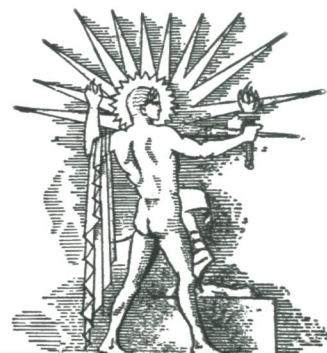


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



JANUARY 20, 1934

Daughter of Eskimo Chief Lies Here

See Page 44

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## DO YOU KNOW?

The banana "tree" is really an herb.

Approximately 400 square miles of the floor of Death Valley lies below sea level.

There are at least 525 cities in the world with 100,000 or more people, and nine-tenths of them are in the Northern hemisphere.

Deaths from carbon monoxide gas are increasing out of all proportion to other forms of accidental death, warns the National Safety Council.

The cinchona tree which yields quinine is a native of South America, but today 97 per cent. of the world's supply comes from Java.

In ancient Babylonia, a money lender often required a borrower to give a "pledge" in the form of a slave or other property which the lender could use until the loan was repaid—a substitute for interest.

A map, apparently drawn by the daughter of Marco Polo, and showing the route of his famous Asiatic journeys, has come to light.

Government scientists discovered that in Swiss-cheese making there are three, possibly four, kinds of bacteria involved, each with a particular task.

Forty million, or more, young trees are to be planted on lands where erosion has washed off the rich top soil, according to conservation work plans.

Careless smokers have been blamed for starting more fires in the national parks than originate from other causes, but this year lightning was the most frequent fire cause.

A botanist says that modern housekeepers have less "luck" with house plants than grandma had because grandma knew more about plants and her house was better adapted to growing them.

## WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY

What kind of garment was an Eskimo chief's daughter buried in? p. 44

ASTRONOMY

What is a nova? p. 41.

CRIMINOLOGY

What might criminologists learn from a ransom note sent by kidnapers? p. 36.

ENTOMOLOGY

How is corn acreage reduction likely to reduce insects? p. 47.

What is duckweed? p. 36

GENERAL SCIENCE

How many millions of the cost of running the Federal government this year goes for scientific research? p. 35

How much are funds for Federal scientific work expected to be cut in 1933-34? p. 35.

GENETICS

In what form of life has heat treatment produced mutations? p. 41.

GEOLOGY

Why are rainwater pools of the Southwest different? p. 38.

METEOROLOGY

What weather maxim does the summer of 1933 illustrate? p. 41.

NUTRITION

Do brain workers need special food? p. 41

PALEONTOLOGY

How long were the horns of California's triple sized bison? p. 35. *A History of Land Mammals in the Western Hemisphere*—W. B. Scott—Macmillan, 1924, \$6.50.

PHYSICS

How do cosmic rays originate, according to Dr. Langer? p. 44.

How may the velocity of atomic particles be estimated? p. 44.

In what particular is physics experiment ahead of theory? p. 46 *Atoms, Molecules and Quanta*—A. E. Ruark and H. C. Urey—McGraw-Hill, 1930, \$7.

PLANT PATHOLOGY

How may plants be automatically watered? p. 40

What part of a cell contains the virus of mosaic disease? p. 37.

PSYCHOLOGY

How many average persons pass tests for steadiness as well as marksmen? p. 37.

How much more talkative are stuttering than normal children? p. 46.

PUBLIC HEALTH

How many were killed by the last great outbreak of plague in Manchuria? p. 42. *Medical Entomology*—Robert Matheson—Thomas, 1932, \$5.

In how many states is diphtheria mortality increasing? p. 38.

What kinds of proprietary medicines must according to the proposed Pure Food and Drug Bill carry their formulae on the label? p. 39. 100,000,000 *Guinea Pigs*—Arthur Kallet and F. J. Schlink—Vanguard, 1933, \$2.

SOCIOLOGY

In what subject have college teaching appointments suffered least from the depression? p. 40.

Who would restore the tribe to importance in Indian affairs? p. 40.

ZOOLOGY

Who put the mongoose in literature? p. 47.

*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 are references for further reading. Books cited can be supplied by Book Departments, Science News Letter, at publishers' prices, prepaid in the United States.*

# Name it →

**Here** is an intellectual game your friends will enjoy. Any number can play—as many as ten or more, as few as two. People who like to use their heads will find it interesting and stimulating.

The game requires a set of ten striking science pictures. The object is to write the most accurate, most amusing, most curiosity-arousing, or most clever title.

## How to Play

Let us say you have six guests. Select six pictures from your set, and give one of the pictures, face down, to each guest. Then pass paper and pencils. Announce that you will allow one minute for each person to write the number of his picture and a good title that will show that he (or she) knows what the picture is. Or make the purpose: (1) Most amusing title; or (2) Most curiosity-arousing title; or (3) Most clever title.

Keep time with a watch having a second hand. Allow no one to work overtime. Quick judgments will result in more fun-provoking answers.

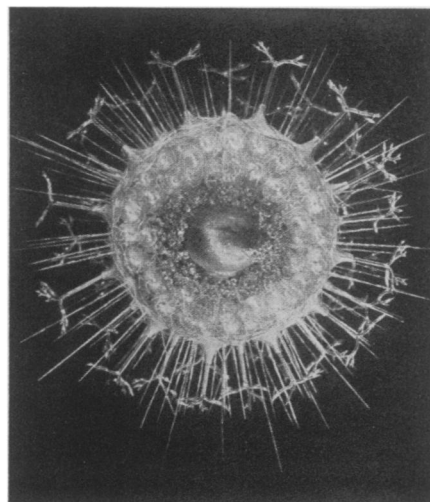
Keep the six pictures rotating until each person has guessed at all of them. Then have each one read aloud his titles. The one with the greatest number of *best* titles wins.

## How to Get the Pictures

Fill in and mail, with 30 cents in stamps or coins, the coupon below, and we will send you two copies of SCIENCEPICTURES, the new book

containing forty-five photographic reproductions, each the size of SCIENCE NEWS LETTER's front cover picture.

There is an unusual title under each picture. Opposite each there is a clear, brief description of the subject matter of the picture, for your use in judging titles.



## How to Make the Game

Clip from one book the pictures you want to use and paste them on cards for your game. Keep the other book for reference. We suggest that you use the following titles from the book, as a starter:

"Like a Jewel from Fairyland"  
 "Spiny Sculpin Uses Chinese Camouflage"  
 "Not a Fairy's Furry Opera Cloak"  
 "New Atom Smashing Machine"  
 "Young Gargoyle Out for a Walk"  
 "Wind Blown Lightning"  
 "55 Ton 'Top' to make Ship Ride Smoothly"  
 "Myriads of Sisters, but No Twin"  
 "She-Wolf Guards Her Young"  
 "In the Form of a Dove"

When you have pasted these pictures on stiff paper or cardboard, number the cards in order, from one to ten. Now you are ready to start playing this new game for people interested in science and in scientific oddities—this game for people who like to use their heads.

--- -- **This coupon is worth 20c** --- --

SCIENCEPICTURES sells for 25 cents a copy. You will need two, one as a reference and the other to cut up for the new game. We don't want to charge you full price for the second, so we will send you both for 30 cents.

Send for the two copies of SCIENCEPICTURES, and start playing the new game for people who like to use their heads!

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