SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





DECEMBER 16, 1933



Mechanical Baggage Man

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DO YOU KNOW?

A common pigweed plant may yield as many as 117,000 seeds.

The turkey, an American bird, was carried to Europe in 1519 by a Spanish explorer.

A chemical preparation is being substituted for a hot iron in branding cattle in Germany.

It is estimated that 20 per cent. of the poverty in normal times is attributable to chronic illness.

Wood gas may be employed as a motor fuel in Czechoslovakia, if tests prove successful.

John Mayow of England published in 1674 the first comprehensive treatise on the atmosphere.

Government scientists have developed a method of determining in advance the relative effects of age on different types of paper.

The depth to which metal is "bruised" when the surface is machined can be detected by X-rays.

The oldest drug prescription known is a stone tablet of 3700 B. C. bearing directions for making an inhalant for treating a head cold.

A warm bathing beach in Poland was transformed into a winter scene one day when carbon dioxide shot up from an oil well and descended in the form

A bird-killing spider with an eightinch leg spread is described by Dr. R. L. Ditmars, of the New York Zoological Park, who observed it in tropical America.

Quinine bark was named chinchona in honor of the Countess Chinchon, but the botanist Linnaeus wrote the word without the first h, and it has been scientifically misspelled, "cinchona," ever

WITH THE SCIENCES THIS WEEK

ANTHROPOLOGY

Did Stone Age man live in a cave? p. 393.

When was cannibalism practised in Britain?

Where is the Lost City of Nevada? p. 387. What trace remains of the Indians who lived in the Everglades before the Seminoles? p 389.

Why is life considered impossible on most of the planets? p. 391.

CRIMINOLOGY

What evidence does a revolver leave upon the person who uses it? p. 388.

ENGINEERING

How many people drive faster than 55 miles per hour? p. 387.

Why does a railway roadbed have to be washed? p. 391.

GENETICS

Is goiter hereditary? p. 388.

MATHEMATICS

Can truth be three-sided and still be logical? p. 397.

What may explain the increase in the diabetes death rate? p. 396. Diabetes—Benjamin F. Smith—Appleton, 1930, \$2.

METEOROLOGY
Are the winters becoming less severe? p. 390.

Neurology What is sleep? p. 392.

OCEANOGRAPHY
How much food does a cubic meter of ocean soup" contain? p. 394. Biological Chemistry and Physics of Sea Water— H. W. Harvey—Macmillan, 1928, \$4.25.

ORNITHOLOGY
Which are the poets' favorite birds? p. 392.

Paleontology
When did beaver as big as bear live in North America? p. 393.

PHYSICS
How much does a pound of "heavy water" cost now? p. 387.

PHYSIOLOGY How do weight-reducing drugs cause the body to lose weight? p. 397.

PSYCHOLOGY

How does the little piccaninny respond to a drum? p. 398.

PSYCHOLOGY—ENGINEERING

PSYCHOLOGY—ENGINEERING
Does "very moderate drinking" by automobile drivers increase the probability of accident? p. 390 and 387. Alcohol and Human Efficiency—Walter R. Miles—Carnegie Inst. of Washington, 1924, \$3.

FUBLIC HEALTH

Are teen-age girls more susceptible to tuber-culosis than boys? p. 392.

TESTING MATERIALS

Where are the jolts of a 1000-mile journey concentrated into ten minutes? p. 392.

What pest has invaded Australia from Europe? p. 391.

Where was the home of the Norway rat? p. 399. Uninvited Guests—David Causey—Knopf, 1932, \$2.

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 Dept., Science News Letter, at publishers' prices, prepaid in the United States.