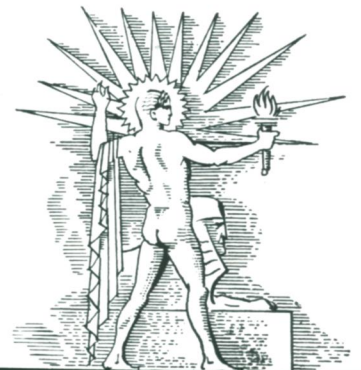


SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



JULY 16, 1932

On Guard for Canadian Science

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DO YOU KNOW THAT

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The Trojans named the mouse as a symbol of Apollo, because of a legend that Apollo sent mice to gnaw the leather from the enemy's shields.

Cattle growers in Montana are trying the system of quick-freezing beef before shipment, rather than transporting carloads of live animals to market.

Paint exposed to the weather ordinarily lasts about five years.

The metal indium, discovered in 1863, got its name because of the indigo-blue lines in its spectrum.

Welding by gas torch and electric arc made it possible to enlarge a ten-story medical office building in Cleveland, without disturbing the physicians and dentists.

Of the 202 species of cacti in the United States, 96 species grow in Texas.

Museum workers have solved the problem of making the ears of mounted animals retain their shape by inserting lead into the ear-case of skin.

China has a national weather bureau just four years old.

With a powerful photoelectric photometer attached to a telescope, the brightness of a star can be measured to within one-half of one per cent. of its value.

It isn't the thunder that turns milk sour in a thunderstorm, it's the heat which causes bacteria to become over active.

Bootlegging milk is a racket now troubling health officials in New York, where milk from uninspected sources is being delivered by gangsters who threaten inspectors and send armed convoys with milk trucks.

Farmers cannot hope to kill weeds by plowing them under, is the verdict by government scientists who dug up weed seed buried 30 years, and found the seeds still amazingly vital when planted.

The University of New Hampshire reports that housewives seeking low-cost meals are returning to such pioneer dishes as chowder, hominy, and apple pan dowdy.

A baby gorilla "purrs" when fed.

WITH THE SCIENCES THIS WEEK

Curiosity arousing questions for the teacher and general reader. Book references in italic type are not sources of information of the articles, but are references for further reading. Books cited can be supplied by Librarian, Science Service, at publisher's price, prepaid in U. S.

ANTHROPOLOGY

Were Eskimos originally the sole inhabitants of Alaska? p. 40.

ASTRONOMY

What two newly discovered objects in the sky may be twins? p. 41. *Comets—Charles P. Olivier—Williams and Wilkins, 1930, \$3.50*

BOTANY

What great age does the new "cork tree" attain? p. 31

CHEMISTRY

What is "double weight hydrogen"? p. 31.

CHRONOLOGY

Why are millions of American clocks very accurate? p. 31.

GENERAL SCIENCE

What might be considered the United States' national research laboratory? England's? p. 37.

GEOGRAPHY

Why may the Arctic contain an undiscovered island? p. 33.

MEDICINE

Are long or short X-rays most desired for the treatment of tumors? p. 42. *Applied X-rays—George L. Clark—McGraw-Hill, 1927, \$4.*

Do the most severe tumors contain a high percentage of fatty substances? p. 41.

What are some of the diseases Dr. Ruhrah claims afflicted the subjects of old paintings and statuary? p. 34.

PALEONTOLOGY

What does the man who found Pithecanthropus erectus think of the latest discovery of the remains of ancient man in Java? p. 40.

PHYSICS

What is the first report from Dr. Compton's world-wide study of cosmic rays? p. 32.

PHYSIOLOGY

Does fat instead of sugar ever furnish the energy needed for exercise? p. 32.

How much skin need one expose to the sun for adequate protection from rickets? p. 39.

PSYCHIATRY

Can hypnotism benefit medicine p. 39. *Methods and Uses of Hypnosis and Self-hypnosis—Bernard Hollander—Macmillan, 1928, \$2.50.*

PUBLIC HEALTH

Can malaria be transmitted without the mosquito? p. 40.

Is the pace of life now faster than at the time of William the Conqueror? p. 33.

What diseases mar the good health record for 1932? p. 37.

● Seven Great Scientists

1 DR. ROBERT A. MILLIKAN, Nobel prize winner in physics, leader in scientific thought and head of the California Institute of Technology, speaks on "*The Rise of Physics*".

2 DR. JOHN C. MERRIAM, authority on the fossil animals and reptiles of western America, president of the Carnegie Institution of Washington, speaks on "*The Record of the Rocks*".

Who they are and what they talk about in the "GREAT SCIENTIST" Series of Records

3 DR. EDWIN G. CONKLIN, Princeton University biologist, one of the world's greatest authorities on life processes, speaks on "*The Mystery of Life*".

4 DR. KARL T. COMPTON, eminent physicist, president of the Massachusetts Institute of Technology, speaks on "*Science and Engineering*".

5 DR. LEO H. BAEKELAND, industrial chemist and one of America's industrial pioneers, inventor of bakelite, velox, etc., speaks on "*Chemistry and Civilization*".

6 DR. WILLIAM H. WELCH, of Johns Hopkins University, "Dean of American Medicine" speaks on "*The Tubercle Bacillus*".

7 DR. WILLIAM M. MANN, director of the National Zoological Park of the Smithsonian Institution, leading authority on animal speaks on "*Our Animal Friends*".

