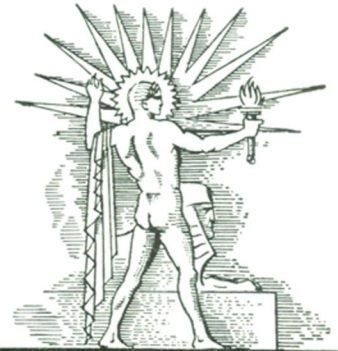
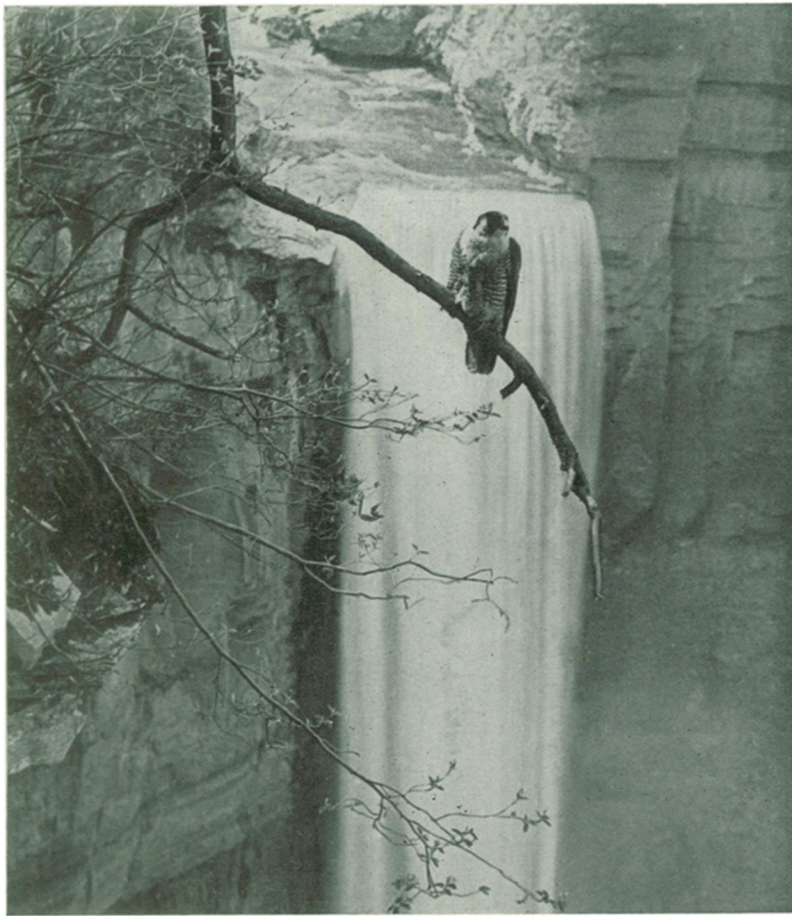


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The Falcon of Taughannock

See Page 280

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DO YOU KNOW?

Cork oak trees yield cork bark for more than a century.

Only about one and one-half per cent. of the weight of a tin can is tin.

The farm population of the United States increased by a million persons last year.

Vacua have been produced so near to nothingness as to be 99.999999 per cent. or more complete.

Egyptian mummies were sometimes equipped with artificial eyes and with lips of metal laid over the mouth.

Iowa psychologists find that little children are most afraid of dogs, doctors, storms, deep water, and darkness, in the order named.

Discovery of a chemical antidote for the poison manufactured by diphtheria germs in the human body is reported by a French bacteriologist.

A pecan orchard generally does not begin to bear nuts sufficient for commercial handling until the orchard is about ten years old.

The annual crop of icebergs from the Greenland glaciers is about 15,000.

A museum of postal history has been established at the post office building, Richmond, Virginia.

A California physicist manufactures snowflakes in his laboratory, in order to study their forms and growth.

Experiments indicate that the yellow color of butter and milk is more affected by what the cow eats than by the breed of the cow.

Roman ruins found at the source of the River Seine, in Burgundy, show that the site was once visited by the sick who came to take curative hot baths.

The gall bladder, which causes so much trouble to many human beings, is not a vital organ: cows, for example, have a gall bladder, whereas horses do not.

London's remarkably low death rate is now attributed to London fogs, the explanation being that tar-laden air from the city's fires is an antiseptic as well as a fog-breeder.

WITH THE SCIENCES THIS WEEK

ASTRONOMY

How often can Jupiter eclipse a star? p. 276.
How often does Giacobini's comet return? p. 280.

BIOCHEMISTRY

What do plants make before they make sugar? p. 280. *Plant Physiology*—Vladimir I. Palladin, ed. by Burton E. Livingston—Blakiston's, 1926, \$4.

BOTANY

What is a chimaera? p. 281.

CHEMISTRY

How much heavy water is there at Princeton? p. 280.

ENDOCRINOLOGY

How many hormones does the pituitary gland secrete? p. 283. *The Tides of Life*—R. G. Hoskins—Norton, 1933, \$3.50.

EVOLUTION—MATHEMATICS

How can the course of evolution in a given line be predicted? p. 276.

GENERAL SCIENCE

How many industrial research laboratories are in the United States? p. 281.

When was the National Academy of Science organized? p. 275.

GEOPHYSICS

What is the earth's corona? p. 275. *Astronomical Physics*—F. J. M. Stratton—Dutton, 1924, \$5.

ORNITHOLOGY

Is the American falcon a real falcon? p. 280.

PHYSICS

How can cosmic rays be detected? p. 277.
How high have cosmic ray measurements been made? p. 277.

How much of the Universe's total of energy is in cosmic rays? p. 277.

What sounds does the ear record most efficiently? p. 284. *A Textbook of Sound*—A. B. Wood—Macmillan, 1930, \$6.50.

PHYSICS—PHYSIOLOGY

Will protozoa survive ultraviolet light? p. 283.

PSYCHOLOGY

Are monkey babies helpless? p. 278.
Does a box appear exactly alike to both eyes? p. 281.

Should children be allowed to have pets? p. 280.

SOIL SCIENCE

Why was the earthworm discussed before the Geophysical union? p. 281.

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 of the article, but are references for further reading. Books cited can be supplied by Book Dept., Science News Letter, at publishers' prices, prepaid in U. S.