

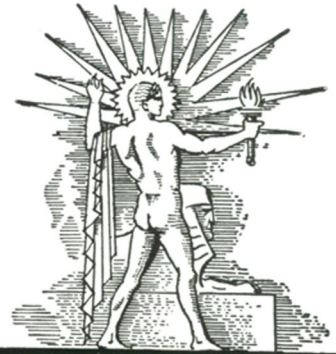
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THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



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Water Trail

See Page 426

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DO YOU KNOW?

A model floating airdrome for sea landings is being experimentally tested in Maryland.

Milk that has frozen does not become less nutritious, it appears from recent experiments.

Spain is planning a huge irrigation scheme which will bring 1,500,000 acres of land under cultivation.

The idea that "the greater number of eggs a hen lays the poorer the quality of the eggs" is not upheld by tests.

Grapes grown in the western United States usually have a higher sugar and solids content than those grown in eastern states.

Tusks of a male African elephant usually weigh about 40 pounds each, but record-breaking tusks weigh over two hundred pounds apiece.

An ink made with ammonia instead of acid has been developed at the Bureau of Standards and is said to have practically no deteriorating effect on paper.

Popcorn pops best when moist, says an agricultural experiment station official.

The daughters of the Greek god of medicine Aesculapius were named Hygeia and Panacea.

New Hampshire now has a bridge for cows, a concrete over-pass enabling cows to cross a busy highway safely.

Indians of both eastern America and the Southwest cultivated the sunflower for its seeds, which were ground into meal.

Columbia sheep, a new type developed by government scientists in Idaho, produce heavier fleeces than any breed commonly raised in range areas.

It was in the beginning of the nineteenth century that pharmacists began to isolate the active constituents from crude herbs and plant products.

The University of Michigan Herbarium has been collecting botanical specimens for 95 years, and now has over 220,000 examples of plant life.

WITH THE SCIENCES THIS WEEK

ASTRONOMY

What kind of mirror catches ultraviolet light from the stars? p. 423.

ARCHAEOLOGY

Where were thousand-year-old fingerprints found? p. 420 *Ancient Life in the American Southwest*—Edgar Lee Hewett—Bobbs-Merrill, 1930, \$5.

BACTERIOLOGY

Why does acidophilus milk keep best at ordinary temperatures? p. 421.

BIOLOGY

When is loco poisoning of bees most common? p. 422.

BOTANY

Why does the geranium get along so well in the house? p. 427.

CHEMISTRY

Why is "diplogen" suggested as a name for heavy hydrogen? p. 425.

ENDOCRINOLOGY

How do pituitary hormones regulate the sex glands? p. 421. *The Tides of Life*—R. G. Hoskins—Norton, 1933, \$3.50.

ENGINEERING

What states are to be mapped from the air? p. 420.

ETHNOLOGY

When did the Chinese use individual drinking cups? p. 426. *Boys' Book of Exploration*—J. Harris Gable, Dutton, 1930, \$5.

Why are orphan stories told by Negroes? p. 422.

MECHANICS

How much force does a weak-armed woman exert at bottle opening? p. 424.

MEDICINE

Where does immunity to germs affect an animal? p. 424.

NAVIGATION

What device reveals the horizon more clearly to the navigator? p. 422.

PHYSICS

What is the velocity of light? p. 419. *Measurement of the Velocity of Light Between Mt. Wilson and Mt. San Antonio* (Contributions from Mt. Wilson Obs., No. 329)—A. A. Michelson—Carnegie Inst. of Washington, 1927, 25c.

Where has new proof of the Raman effect been found? p. 425.

PHYSICS—PHYSIOLOGY

What happens in Mme. Bori's throat when a bad note is produced? p. 423.

PHYSIOLOGY

What is chymo-trypsin? p. 420. *The Human Mechanism*—Hough, Sedgwick and Waddell—Ginn, 1929, \$5.

SOCIOLOGY

Is the modern world warlike? p. 419.

ZOOLOGY

What is "suppression breeding"? p. 423.

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.