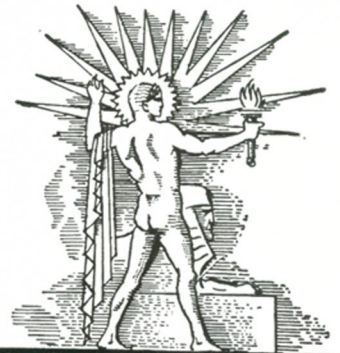
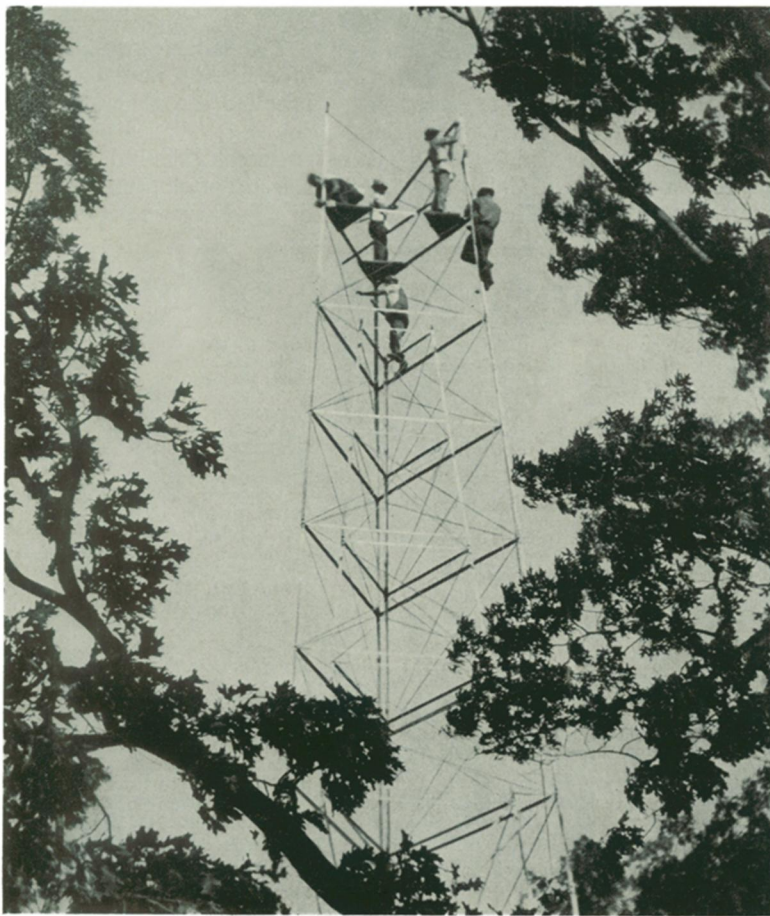


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THE WEEKLY SUMMARY OF CURRENT SCIENCE •



NOVEMBER 25, 1933

Erecting a Bilby Tower

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DO YOU KNOW?

The elephant's keenest sense is his sense of smell.

Hunting wild swans is prohibited by federal law in the United States at all times.

Because of over-cultivation, the silkworm of Japan is delicate and difficult to raise.

Birds may have a development of breast muscles, for operating their wings, equal to one-fifth of their total weight.

Medical records were kept in the temple of Aesculapius in Greece, case histories being registered on marble tablets.

Ephedrine, discovered ten years ago, and used widely in nasal preparations, is obtained from a Chinese drug plant used as a cure-all in China for 5,000 years.

Tests show that yellow corn contains more vitamin A than white corn.

Trees planted so as to shelter a house may save as much as 15 per cent. in fuel bills.

The oldest written record of a horse show known is in a book written in England in 1174.

In testing the strength of healing wounds, surgeons use many of the tests known to engineering science.

Cataract, an eye disease ordinarily associated with middle aged and old people, occasionally occurs in children.

The last census showed that 86 out of every 100 farms in this country were operated entirely with horses or mules.

Recent chemical discoveries may result in greater use of tobacco instead of arsenic preparations in insecticides.

WITH THE SCIENCES THIS WEEK

ASTRONOMY

What is the average density of matter in the universe? p. 341. *The Expanding Universe—Sir Arthur Eddington—Macmillan, 1933, \$2.*

Where were most Leonids meteors seen? p. 348. *Our Stone-Pelted Planet—H. H. Nininger—Houghton Mifflin, 1933, \$5.*

AVIATION—PHYSICS

How has the radio range-beacon been improved? p. 341.

CHEMISTRY

How many concerns are seeking to quicken whisky? p. 342.

What is acetamide? p. 342.

ENGINEERING

How long does it take to erect a Bilby tower? p. 339.

GENERAL SCIENCE

How would Dr. Hrdlicka protect scientific treasures from destruction by war? p. 344.

GENETICS

How may evolutionary changes be speeded in plants? p. 345.

ICHTHYOLOGY

Can a fish live without air? p. 350. *A History of Fishes—J. R. Norman—Stokes, 1931, \$7.50.*

MEDICINE

How does infantile paralysis virus enter a person's body? p. 340.

How may food sensitivity deform the face? p. 344.

Why was it important to learn that mice can contract sleeping sickness? p. 348.

METEOROLOGY

What do sunspots have to do with weather? p. 343. *The Drama of Weather—Sir Napier Shaw—Macmillan, 1933, \$3.50.*

PALEONTOLOGY

Where were fossils of America's latest primate found? p. 343.

PHOTOGRAPHY

How many miles of flight will 800 feet of movie film photograph? p. 343.

PHYSICS

What solutions cannot be heated by short radio waves? p. 345.

PHYSIOLOGY

How are normal men physiologically unlike freaks? p. 345.

How is an expression of weeping unlike one of fury? p. 346. *Simple Lessons in Human Anatomy—B. C. H. Harvey—Amer. Med. Assn., 1931, \$2.*

What chemical dilates the blood vessels? p. 348.

What is the speed limit of auditory nerve fibers? p. 339.

PSYCHIATRY

What is schizophrenia? p. 340.

PUBLIC HEALTH

How should amebic dysentery be combated? p. 342.

What is likely to delay the conquest of tuberculosis? p. 345.

What is the new scarlet fever control method? p. 342.

SOCIOLOGY

What did people throw away from 1893 to 1903? p. 341.

VETERINARY MEDICINE

How do the Swiss keep their cattle fertile? p. 345.

What is the turkey's worst scourge? p. 344.

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.

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