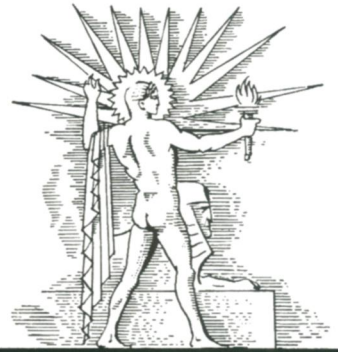


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



November 2, 1940

Made in America

See Page 282

A S C I E N C E S E R V I C E P U B L I C A T I O N

Do You Know?

A baby is *born* every 13 seconds, according to United States population figures.

Natural enemies keep the *Japanese beetle* from being a serious economic pest in Japan.

Furniture designed to "fit" persons five feet, eight inches tall is reported comfortable for the majority.

Fresh apple *cider* has the best flavor if made from juice of at least two varieties of apples, some experiment stations find.

A neon sign 35 feet long, on top of a factory at Chicago, is the first electric advertisement made for *airplane travelers* only.

Italy's North African colony of Libya is described by a geographer as no more dependable a *granary* than our Dust Bowl.

Before four zones of Standard Time were adopted in 1883, there were more than 50 kinds of *time* in the United States.

Britain reports that since July it has imported thousands of tons of *magnesite* from Greece, for use in munitions making.

The *Suez Canal* route shortens the distance from Bombay to Liverpool by 42%, as compared with the voyage around the Cape of Good Hope.

QUESTIONS DISCUSSED IN THIS ISSUE

Most articles which appear in SCIENCE NEWS LETTER are based on communications to Science Service, or on papers before meetings. Where published sources are used they are referred to in the article.

AGRICULTURE

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ASTRONOMY

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CHEMISTRY

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GENERAL SCIENCE

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MEDICINE

How can soldier's heart be cured? p. 286.

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What permanent cure has been found for Meniere's disease? p. 276.

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Why should war wounds not be sewed up immediately? p. 277.

METALLURGY

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NUTRITION

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Which vitamin is the morale vitamin? p. 277.

PALEONTOLOGY

Where was a nearly complete fossil of a Uintatherium found? p. 278.

PHOTOGRAPHY-PHYSIOLOGY

How can you use your own eye as a photographic exposure meter? p. 279.

PHYSIOLOGY

What special hazards are faced by twins? p. 280.

PHYSIOLOGY-AERONAUTICS

What sort of heart examination is recommended for military pilots? p. 286.

PSYCHOLOGY-PHYSIOLOGY

What effect has the noise of air raids on the central nervous system? p. 278.

What effect is loss of sleep likely to have on the Londoners? p. 278.

RADIO

How can you use your old radio for FM? p. 281.

How has power been transmitted by radio? p. 275.

Rain water near the ocean may contain traces of *iodine*.

An *armadillo* mother always gives birth to four babies, all of the same sex.

SCIENCE NEWS LETTER

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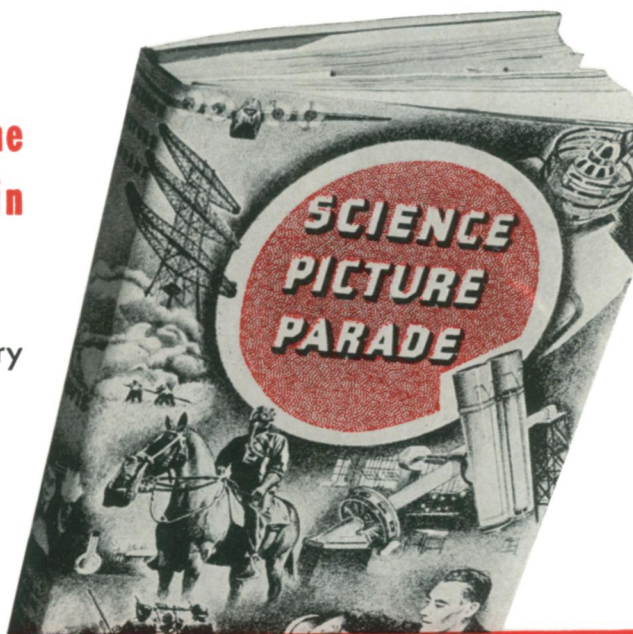
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ANIMALS—panda, koala, tarsier, white bison, aard-vark, two-headed trout, paramecium . . .

ARCHAEOLOGY—Folsom Man, low-browed King Ashurnasir-apal of Assyria, high-hatted Pharaoh Merenptah of Egypt, a Mayan calendar-image from Tuxtla . . .

ATOMS—cyclotrons, split atoms of uranium, cosmic rays . . .

AVIATION—bombers for war, clippers for peace, autogiros, wind tunnels . . .

BIRDS—dodos, tame eagles, left-handed parrots, emperor penguins, apartment size turkeys.

CHEMISTRY—nylon, glass fabrics, acrylic resin, propane, deuterium . . .

EARTH—fertile lava, a canyon from a plow furrow, resources for war, earth’s record of age . . .

ELECTRICITY—artificial lightning, giant generators, power for the people, electricity-into-sound, voice of Voder . . .

HEALTH—life-saving sulfanilamide, vitamins and more vitamins, rescue for the “living dead” . . .

INDUSTRY—new processes, new inventions, new uses, arms for defense . . .

INSECTS—cicada in flight, mantis at prayer? Insect Enemy No. 1: Mosquito . . .

LIGHT—cigarette-sized arc lamp, a man loses his shadow, lamps that kill germs, lamps that make meat tender, golf swing taken apart . . .

MIND—“candid” picture of a brain, curious human behavior, “ascent of man” . . .

PLANTS—colchicine’s marigolds, X-ray of a lily, soilless gardens . . .

RADIO—FM, cardioid directional microphone, radio facsimile, coaxial cable, television in the air . . .

STARS—supernovae, sun spots, giant of Palomar . . .

TRANSPORT—streets of tomorrow, ancient center-line, America’s propeller, “pendulum” railroad cars, rockets . . .

WAR—gas, guns, lathes, mortars, bombs, anti-aircraft, Airacuda, tactics . . .

WEATHER—drought, flood, snow crystals, lightning, air-mass analysis . . .

FUTURE—power from sun and atom, synthetic diamonds, more chemotherapy, man getting along with man.

THE AUTHOR

All the news of all the fields of science passes through the hands of Watson Davis, Editor of SCIENCE NEWS LETTER and director of Science Service, the world’s only science news syndicate. Author of *The Advance of Science* and *The Story of Copper*, Mr. Davis holds an unequalled position for the survey of scientific progress.

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