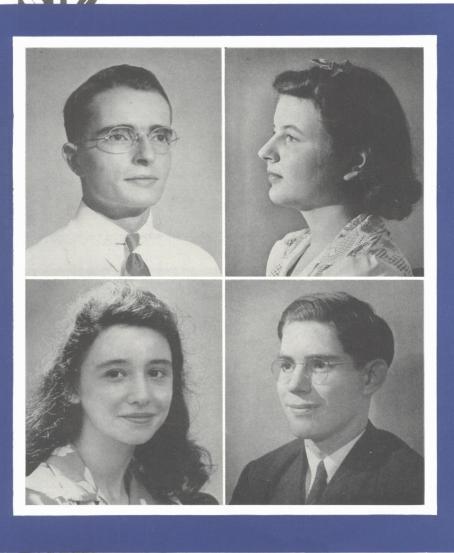
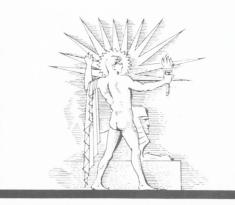
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE .





July 25, 1942



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A SCIENCE SERVICE PUBLICATION

Do You Know?

Spring burning of pasture land damages grass and timber, destroys soil fertility and starts erosion, according to forestry experts.

"Fiddlesticks," air pressure gauges for quickly checking pressure of tires, are carried by army officers in the manner of a swagger stick or riding crop.

Pomades to prevent chapping of lips and face may soon be put up in lipsticklike cases for soldiers stationed in cold climates, if present experiments warrant their use.

Helmholtz in 1881 showed that the force of attraction between the oxygen and hydrogen atoms in a molecule of water is 21 billion times the force of gravitation.

As the war is creating a shortage of fish liver oils, livestock farmers and poultrymen are depending more and more upon alfalfa meal, kale, yellow corn, and carrots for needed vitamin A.

American Indians, for whom dried beef and dried vegetables have long been staple foods, are helping the U.S. Department of Agriculture develop improved ways of food dehydration for wartime use.

Recent experiments with bean plants showed that yields of beans were improved when one-fourth or even onehalf of the leaves of the plants were removed at certain periods during the growing season.

Question Box

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AERONAUTICS

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What reinforcement do airplane tires now receive? p. 57.

How many plant species are native to Midway? p. 57.

CHEMISTRY

Who saw rubber made while they waited? p. 56. From what country did our magnesium

fertilizer formerly come? p. 57.

When does guayule's worst insect enemy attack? p. 56.

GENERAL SCIENCE

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How do scientists fight?
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Why are science students recommended for draft deferment?
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INVENTION

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Where will an intensive five-year study of infantile paralysis be made? p. 57.
Why is a skin test recommended before plasma transfusion? p. 59.

MEDICINE-NUTRITION

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MILITARY SCIENCE

Where were our scientific weapons developed? p. 53.

Why should soldiers know how to swim? p. 56.

How hot is the steam now used in the

Navy? p. 60. What is a pancake engine? p. 61.

NUTRITION

What is the trend in "Victory lunches?"

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How can food be enriched from the roots

ORDNANCE

How long have cannon been made in India? p. 55.

PHYSIOLOGY—PSYCHOLOGY

Why are tall, thin men not wanted for paratroopers? p. 63.

PSYCHOLOGY

Over what hurdles did Science Talent Search winners make their way? p. 54.

PUBLIC HEALTH

What was last year's U. S. death rate? p. 56.

Whence did the new contagious eye ailment come? p. 59.

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.

The heaviest bird mortality occurs within two days after leaving the nest, some authorities estimating it to be as high as 50%.

Not only does the cucumber beetle feast destructively upon cucumber, muskmelon, squash, and pumpkin; it also spreads bacterial wilt and mosaic disease.

Scales which are accurate within 40 billionths of a pound are used to measure the tungsten filament wire of electric lamps.

Lemurs, more primitive than other primates, are believed to be relatively unmodified descendants of one of man's early ancestors.

SCIENCE NEWS LETTER

JULY 25, 1942

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE. Inc., 1719 N St., N. W., Washington, D. C. NOrth 2255. Edited by WATSON DAVIS.

Subscriptions—\$5.00 a year; two years, \$7.00: 15 cents a copy. Ten or more copies to same address, 5 cents a copy. Back numbers more than six months old, 25 cents.

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Cable address: Scienservc, Washington.
New York office: 310 Fifth Avenue, CHickering 4-4565.
Entered as second class matter at the post-

ing 4-4565. Entered as second class matter at the post-

office at Washington, D. C., under the Act of March 3, 1879. Established in mimeographed form March 18, 1922. Title registered as trademark, U. S. and Canadian Patent Offices. Indexed in Readers' Guide to Periodical Literature, Abridged Guide, and in the Engineering Index.

The Science Observer, established by the American Institute of the City of New York, is now included in the SCIENCE NEWS LETTER.

The New York Museum of Science and Industry has elected SCIENCE NEWS LETTER as its official publication to be received by its members.

official publication to be received by its members.

Member Audit Bureau of Circulation. Advertising Representatives: Howland and Howland Inc., 393 7th Ave., N. Y. C., PEnnsylvania 6-5566; and 360 N. Michigan Ave., Chicago, STAte 4439. SCIENCE SERVICE is the Institution for the Popularization of Science organized 1921 as a non-profit corporation.

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