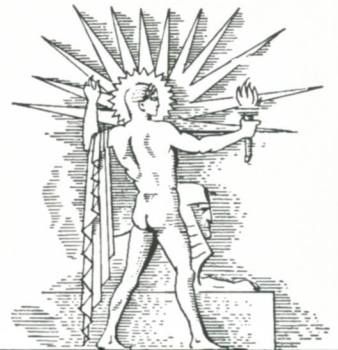


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



September 7, 1940

Chiaroscuro

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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?

Italy has three companies producing synthetic rubber.

Seaplanes help Iceland's fishermen to locate herring shoals from the air.

The average American motor vehicle used 724 gallons of gasoline last year.

The United States has in reserve medical stores of opium sufficient for three years' use.

A Japanese patent claims discovery of an aluminum alloy hard enough to be worked into sword blades.

One farmer who has kept daily farm records for 50 years says that his book-keeping takes only 38 hours a year.

"People don't die of tuberculosis in this day and age; they die of neglect," says Dr. Louis I. Dublin, noted statistician.

Germany is planting quantities of wild roses—not for decorative purposes, but because the hips are reported rich in Vitamin C.

Cotton yarn used in airplane fabrics, typewriter ribbons and fine dress goods is so fine that it takes 50 miles of yarn to make a pound.

A Danish custom since 1853 has been the mass migration of country children to cities and city children to private farms for vacations at little cost, a project supervised by Denmark's teachers.

## 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.

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### BACTERIOLOGY

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### METEOROLOGY

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Why may bombings of Italian cities become more frequent? p. 153.

### NUTRITION

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### ORDNANCE

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### PHYSICS

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How do X-rays help industry? p. 157.

### PHYSIOLOGY

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How deep do the cooling effects of an ice pack go? p. 152.

### PLANT PHYSIOLOGY

How can leaves be induced in plant tissue cultures? p. 153.

### PSYCHOLOGY

Where is the danger-point in a dictatorship's progress? p. 148.

How does a rat act in a dilemma? p. 158.

### PUBLIC HEALTH

What hitherto unsuspected danger lurks in swimming pools? p. 153.

Of Argentina's 13,000,000 people almost one-third live in Buenos Aires and suburbs.

A Florida industrial plant is producing grapefruit seed oil, found useful in textile dyeing.

There are 187 known species of oysters, some of them native to only one spot in the world.

The first blood transfusion in human beings was performed successfully in 1667, transferring sheep's blood to man.

Cranberry skins are found to yield ursolic acid, useful in making oil and water mix.

Sand free from iron and suitable for making Christmas tree ornaments is reported available in Puerto Rico.

In some National Parks, ranger naturalists lead camera trips, guiding picture fans to good shooting spots.

A ten-foot rake dragged by a caterpillar tractor has been devised for cleaning debris from one of California's beaches.

## SCIENCE NEWS LETTER

Vol. 38 SEPTEMBER 7, 1940 No. 10

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE, Inc., 2101 Constitution Avenue, Washington, D. C. 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: Scienservice, Washington.

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.

Members of the American Association for the Advancement of Science have privilege of subscribing to SCIENCE NEWS LETTER at \$3 a year.

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

Advertising rates on application. Member Audit Bureau of Circulation.

SCIENCE SERVICE is the Institution for the Popularization of Science organized 1921 as a non-profit corporation.

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