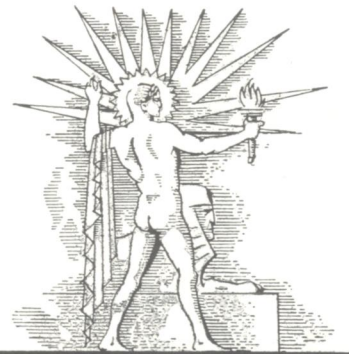
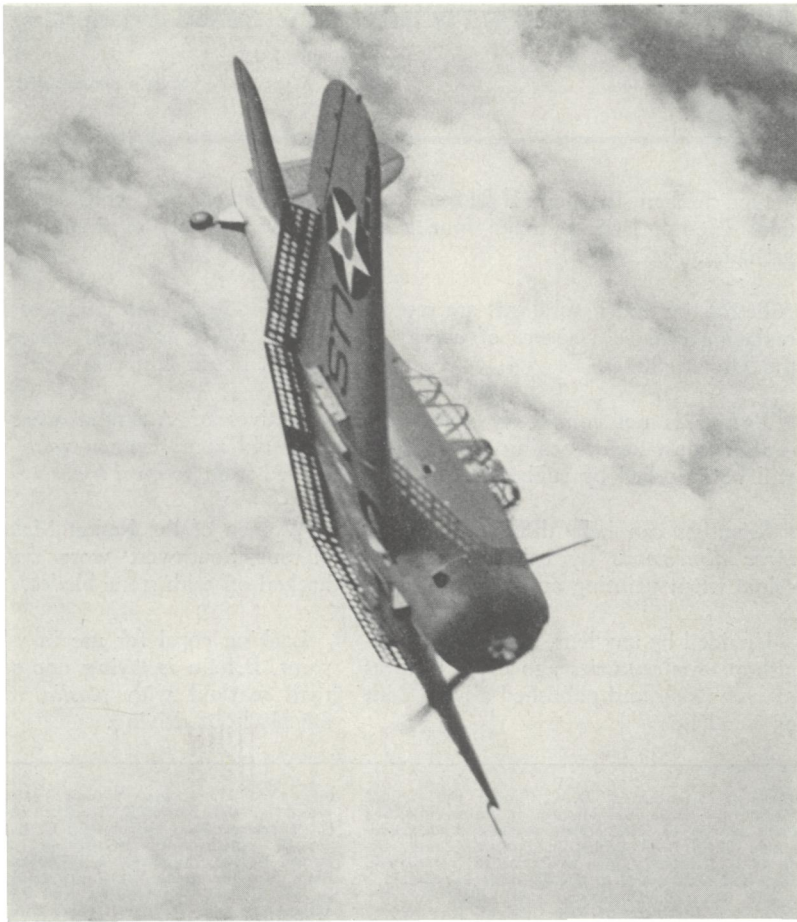


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



May 2, 1942

Flaps Down

See Page 277

A SCIENCE SERVICE PUBLICATION

Do You Know?

The largest known *crocodile*, 45-feet in length, was discovered in fossil form.

Dragonflies, equipped with exceptionally superior wings, can fly 60 miles per hour.

Iodine should be used only in solution of 2% by laymen, according to the Red Cross.

Giant *sea turtles* lay their eggs by moonlight during June and July on Florida sea beaches.

Emperor Nero made his own *sherbets* by adding fresh fruit juices to snow brought to Rome from the Alps.

Army *food studies* have shown that "vitamin super-charging" of properly nourished men has no beneficial effect on muscular work or recovery from that work.

First used to prevent frost from heaving the road surface, *rock salt* now has been found to stabilize the soil used in the subgrade, improving the road's wearing surface.

The American Medical Association's Council on Foods and Nutrition has advised against indiscriminate dosage of workers with *vitamin* pills; they recommend proper diet.

A 500-pound *bomb* dropped 10,000 feet from a plane flying 200 miles an hour will hit the earth more than a mile ahead of the point under the plane when the bomb was released.

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

BIOLOGY

What waste product is used in animal cell nourishment? p. 276.

CHEMISTRY

From what can levulinic acid be made in industrial quantities? p. 285.

What chemical from whale liver oil can be made into vitamin A by heating? p. 280.

Where has cellobiose been made synthetically? p. 276.

GENERAL SCIENCE

How long ago did men live in Oregon? p. 276.

What metals keep the stars aglow? p. 275.

What research on plants may pave the way for new discoveries in the field of animal cancer? p. 275.

What secrets of America are locked up in Siberia? p. 275.

MEDICINE

How is milk used in detecting cancer in an early, curable stage? p. 277.

What new sulfa drug is expected to help win the war? p. 281.

PSYCHOLOGY

How is it proposed to use inkblot tests to aid the Army? p. 284.

What can you learn about children's character with balloons? p. 284.

What effect do extra brain cells have on ability of rats to learn? p. 281.

What evidence is there that judgments of taste or value have an objective basis rather than individual whim? p. 277.

Why is it important for Army air fighters to enjoy skeet shooting? p. 280.

WILDLIFE

What is the beaver's summer diet? p. 280.

One broken five-pound *flatiron* contains enough iron to make four hand grenades.

Petroleum and natural gas are rapidly replacing coal as a source of *energy* to the United States.

Rubber is not completely waterproof—after constant drenching some water will be absorbed by rubber.

Scientists can help the eye to see in *three dimensions* by using contrasting colors when painting an object.

Unaided by any lens, a Swedish Archbishop four centuries ago drew pictures of *snowflakes* and published a book with 23 woodcuts.

Tomatoes were considered poisonous by the majority of Americans prior to 1835.

About \$4,000,000 worth of *bricks* and metal were salvaged from bombed British houses last year.

Natives of Australia were ruled by their old men; women were rigidly excluded from *political life*.

Women of the Basket Maker Indians of our Southwest wore *bobbed hair*, hacked off with stone blades.

Lacking copal for use in white traffic paint, Britain is trying out 70 miles of road marked with *plastic* white lines, for blackout driving.

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