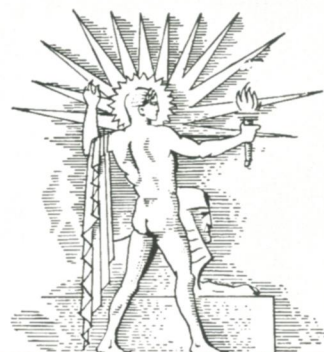
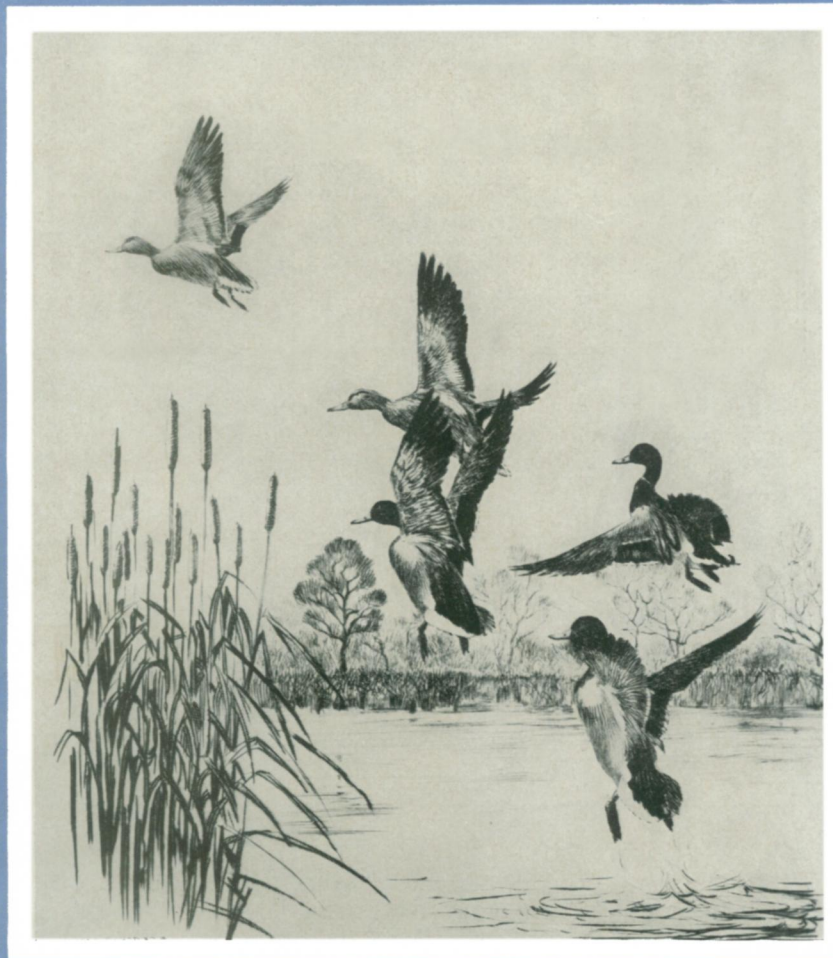


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



June 22, 1940

Taking Off

See Page 393

A SCIENCE SERVICE PUBLICATION

Do You Know?

Some fire trucks are built to carry carbon dioxide as the main extinguishing agent, instead of water pumps and chemicals.

Courses in aviation mechanics have enabled 85 CCC boys in California to obtain work in west coast aircraft manufacturing plants.

Chemists say that the only truly synthetic fabrics being made are nylon, glass, and Vinyon—rayon being technically a "modified fiber."

First country to use railways in military operations was Canada—troops were transported by rail in the Papineau rebellion of 1837-8.

California's record-breaking 15,000-foot oil well was drilled so precisely that the bottom of the hole was only two and one-half degrees off vertical.

Scientists in Peru have shown that pyrethrum flowers, used in commercial insecticides, can be grown in that country, but farmers are slow to undertake the crop.

A printing ink company says that the average person can think of only about 35 color names in five minutes, and only 18 will be clearly understood by other people.

It is estimated that Americans contributed \$9,800,000 to relief in Europe and Asia in the first six months after Europe's war began—a per capita donation of about eight cents.

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.

AERONAUTICS

What Army and Navy planes are being furnished to the Allies? p. 390.

BOTANY

How does lack of calcium in the soil harm plants? p. 392.

CHEMISTRY

Of what job is science scheming to deprive the horse? p. 393.

ENGINEERING

What discovery makes it unnecessary to change the phonograph needle? p. 387.

Why is the design of the modern automobile considered a safety hazard? p. 391.

MEDICINE

How does the new "hit and run rheumatism" make its attack? p. 398.

How has diabetes been prevented in dogs? p. 396.

How have patients been relieved of the unpleasant nausea that usually follows anesthetics? p. 393.

What element in the diet may protect children against infantile paralysis? p. 393.

What is contained in the pill that keeps children from having scarlet fever? p. 396.

What kind of impetigo is cured by sulfanilamide? p. 396.

When is a bite from human teeth especially deadly? p. 389.

Where do "nerves" originate? p. 398.

Why should patients with acute appendicitis be operated on immediately? p. 397.

Why will Army surgeons find the X-ray useless in handling men shot in the abdomen? p. 389.

NUTRITION

How many Americans are suffering from pellagra? p. 395.

Why is it patriotic just now in England to eat pork? p. 388.

PHYSICS

What is the weight of superheavy element 94? p. 387.

PHYSIOLOGY

How many nails could be made from the iron in the human body? p. 392.

PSYCHOLOGY

What factor is of greatest importance in causing juvenile delinquents to give up their wrong-doing? p. 392.

RADIO

What development has brought television within the range of the amateur? p. 391.

Why are radio studios built skew? p. 393.

RESOURCES

What strategic material was bought by the United States from Italy? p. 392.

Canned tomatoes can be greatly improved in firmness by adding a tiny amount of calcium chloride, chemists report.

A new outlet for surplus American cotton is insulating material which can be made from cotton, linters, and spinnable waste.

One feature of its 200th discovery anniversary in 1943, South Dakota hopes, will be a monument in honor of the Verendrye discovery expedition.

America has ample facilities for making plastics for use in mass production of airplanes, declares one plastics company.

The identification tag worn by each German soldier also shows to what blood group he belongs, in event of surgical emergency.

Conscious of India's economic backwardness, the Indian National Congress has formed a National Planning Committee, with 29 expert subcommittees.

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