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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE • OCTOBER 2, 1943



Not Mechanized

See Page 217

A SCIENCE SERVICE PUBLICATION

Do You Know?

A ton of *cabbage*, when dehydrated and compressed, occupies two cubic feet.

Over 5,000 workers are now collecting latex for *rubber* in the forests of Guatemala, Nicaragua and Costa Rica.

Apple production in the United States will be about 93,000,000 bushels, approximately 28% less than in 1942.

Losses by *fire* in the United States amounted to \$315,000,000 in 1942; they threaten to reach \$400,000,000 this year.

Fats are among the earliest medicines used by man; the fat of nearly every animal was believed to have some medicinal value.

Over 162,000 deer and elk *hides* collected during the 1942-43 hunting season, have been used for service gloves and other military purposes.

The 1,000,000th standard *shotgun* of the type used for training Army Air Force aerial gunners was recently received and accepted by the Army.

Egg-breakers in egg-drying plants are responsible for catching off-quality *eggs*; human noses and eyes are not apt to be replaced by any mechanical device for this purpose.

Rayon is now used in cartridge and powder bags for artillery; like silk, it burns instantaneously, leaving no heated fragments which might prematurely ignite the next powder charge.

Question Box

Page numbers of Questions discussed in this issue:

AGRICULTURE

What famous English agricultural experiment station is celebrating its centennial this year? p. 214.

ANIMAL HUSBANDRY

Against what new swine disease are stockmen being warned? p. 216.

ANTHROPOLOGY

What did Neandertal Man look like? p. 220.

ASTRONOMY

What is the composition of the shell of one of the stars in the constellation Libra? p. 213.

CARTOGRAPHY

What new method of map making is three to five times as fast as pre-war methods? p. 212.

CHEMISTRY

How is an anti-freeze solution making tubeless tires more efficient? p. 211.

What is the best way to store potatoes? p. 217.

What is the new plastic being made to replace rubber? p. 215.

What new role will the chemical research laboratories play in the post-war world? p. 215.

ENGINEERING

What is the latest device for simultaneously locking all the doors on an automobile? p. 219.

Who received a medal for "distinguished achievement in mining administration"? p. 216.

GENERAL SCIENCE

What role does science play in America's relationship with Mexico? p. 214.

GEOGRAPHY

How do Mont Cenis tunnel and pass figure in world events? p. 217.

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.

GEOLOGY

How are certain germs aiding geologists in locating new oil deposits? p. 217.

HORTICULTURE-ORNITHOLOGY

What should you plant to attract the birds? p. 222.

MEDICINE

How do a dye and artificial sunlight aid in grafting skin? p. 216.

What equipment enables the Army to use the mule in transporting wounded personnel? p. 217.

What is needed by the school child in order to make good grades? p. 221.

What is the chessboard method of skin grafting? p. 216.

What symptom besides chills and fever may indicate malarial infection? p. 213.

METALLURGY

What processes turn powdered metals into parts for heavy-duty war machinery? p. 218.

MILITARY SCIENCE

How could a torpedo blast an enemy ship in several places at one time? p. 221.

What is the use of the British weapon, the Northover projector? p. 211.

NUTRITION

What is the new method of preserving vitamin C in evaporated milk? p. 217.

Why might it be dangerous for humans to take proteins solely in synthetic form? p. 212.

PHOTOGRAPHY

In what way is the amateurs' camera film to be improved in the future? p. 216.

PUBLIC HEALTH

What are the leading causes for draft rejection among whites and Negroes of 18 and 19? p. 214.

What epidemics are brewing in our islands? p. 221.

RESOURCES

What may be the result in the U. S. if new oil finds and imports are not increased? p. 213.

Electric *motor clinics* to which farmers may bring motors for cleaning and adjustment are conducted by the New York State College of Agriculture in rural centers throughout the state.

The Pribilof islands in the Bering Sea, some 200 miles northwest of Dutch Harbor, are the only places where the Alaska fur *seals* ever seek the shore; these islands are their breeding grounds.

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