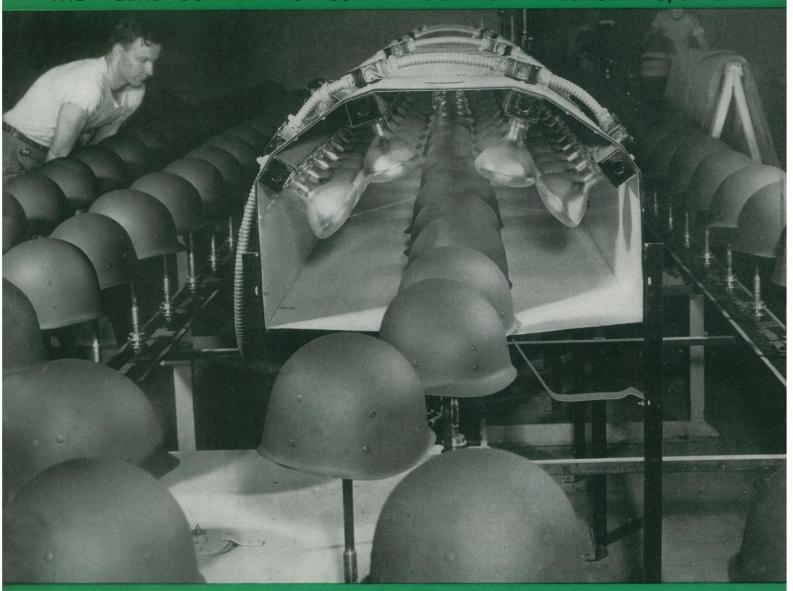


SCIENCE NEWS LETTER



THE WEEKLY SUMMARY OF CURRENT SCIENCE • FEBRUARY 6, 1943



Modern Millinery

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SCIENCE SERVICE PUBLICATION

Do You Know?

Honey production in the United States is less than two pounds a person.

Ecuador is the second largest tree rubber producing country in Central and South America.

Mining copper in Chile, vanadium in Peru, and nickel in Cuba, are all being assisted with funds from the U.S. government.

Ceramic products, bricks, cements, porcelains, etc., are now exceeded in value only by iron and petroleum in annual production.

One hundred pounds of salvaged kitchen fats will make six pounds of glycerin which in turn will make 15 pounds of nitroglycerin.

Rubber and resin contents of plants may be determined by use of a fiveminute micro-chemical test developed recently at Cornell University.

The biggest user of borax is the ceramics industry, particularly for glazes and enamels and for glass, with emphasis on heat-resistant glass.

Java is the most densely inhabited major area in the world, with a total population of over 49 million and over 800 persons per square mile.

Farmers raising short staple cotton are advised by the U.S. Department of Agriculture to switch to long-staple; or to soybeans, peanuts or feed crops, for which the war need is greater.

Question Box

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AERONAUTICS-PHYSIOLOGY

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ASTRONOMY

What astronomer was honored in naming a victory ship? p. 90.

How can seedless tomatoes be produced? p. 93.

CHEMISTRY

Of what is Norepol made? p. 85.

DOCUMENTATION

How are the records of Linnaeus insured against complete loss through this war? p. 95.

ENGINEERING

How can coal be used in forging furnaces now using large quantities of fuel oil? p. 84. How is the testing of substitute materials

speeded for war production? p. 87. How much fuel is saved by setting the thermostat back 6 to 10 degrees? p. 93.

How much power can be salvaged from airplane engines on the test block? p. 91.

CEOLOGY

How was some of our best farm land made from dust? p. 94.

INVENTION

How has a practice of beauty parlors been applied to give safety to war workers? p. 83.

MEDICINE

How can patient: be protected against the poisonous effects of arsenic? p. 86.

What effect has climate on allergies? p.

what new discovery may point to the primary cause of cancer? p. 83.
What temperature is best for recovery from severe burns? p. 83.

METALLURGY

How are mirrors used in a steel rolling mill? p. 84.

NUTRITION

How are the Dutch using their tulip bulbs? p. 85. What are the signs of a good lunch? p. 95.

PSYCHIATRY

What age group among drafted men are the most healthy mentally? p. 85. What help can be provided for the unhappy soldier who drowns his troubles in liquor or tries to go AWOL? p. 89.

PSYCHOLOGY

How can difficulties of seeing and hearing increase the fatigue of flying crews? p. 92.
What are the awards in the Science Talent Search? p. 87.

PUBLIC HEALTH

How prevalent is meningitis? p. 91.

What is required of radio equipment for the armed services? p. 90.

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.

Yellowstone National Park is cutting its herd of elk by 6,500 as it now has more than the safe carrying capacity of its ranges.

By reinforcing the tops and feet of rayon hosiery with combed cotton yarns, the durability can be increased between 100% and 200%.

Domestic sumac is a possible source of tannin for American tanners, to replace tannin formerly obtained from Sicilian sumac.

So many people have forgotten how to burn wood for household fuel that the Connecticut Forest Association has issued a bulletin on that subject.

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