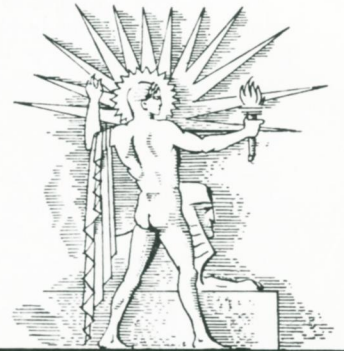


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



July 22, 1939

Test Fire Weapon

See page 53

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?

Grasshoppers may fly 15 miles in a day.

In some European countries, deaf persons wear a special sleeve band to indicate their handicap.

The first air conditioned blast furnace is being watched experimentally to see whether it produces more uniform pig iron economically.

A trumpet used in the Bronze Age in Denmark, over 3,000 years ago, is a feature of the Danish pavilion at the New York World's Fair.

Indian monuments and other designs typifying Indian life, past and present, are featured on a number of postage stamps in Pan American countries.

Jams and jellies are becoming by-products of windbreaks in the Plains, where windbreak shrubs often include the wild plum, chokeberry and mulberry.

Indians were so eager to have the bill of an ivory billed woodpecker in a necklace, that northern tribes would give as much as three deer skins for one bill of this southern bird.

Because swordfish are so hard to tag, the Bureau of Fisheries has asked swordfish vessels to number their darts; so that when a fish breaks away carrying a dart there is a chance that later it will be caught again and its career checked.

## SCIENCE NEWS LETTER

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## 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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How old is Greek drama? p. 56.

### ASTRONOMY

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### BOTANY

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### CHEMISTRY

How do scientists hope to replace mica for insulation? p. 54.

How many kinds of soap solution are known to science? p. 62.

### ENGINEERING

What is the advantage of carbon dioxide as a fire weapon? p. 53.

Why is the new gas turbine safer for wartime? p. 60.

### MEDICINE

How does fever help people get well? p. 59.

What is the most effective type of treatment for tuberculosis? p. 53.

### PHYSICS

How is a wind tunnel used to classify soil? p. 57.

What new link has been found between forces in the atom and large scale forces? p. 59.

### PHYSIOLOGY

What enzyme protects living cells from poison? p. 61.

### PUBLIC HEALTH

At what time of year is an outbreak of horse sleeping sickness most likely? p. 55.

The chief of the U. S. Weather Bureau says: "Weather is the most talked about topic that the human race possesses."

Battle injuries in the World War differed from preceding wars, in that shell wounds were far more numerous than bullet wounds.

The so-called American antelope is not really an antelope; it is a pronghorn, and combines traits of the giraffe, goat, true antelope, and deer.

Scientists report that the floor of the Gulf of California is much rougher and deeper than they supposed.

Orange juice does not lose an appreciable amount of vitamin C for 24 hours, if stored in a refrigerator, latest experiments show.

Eastern states supplied over four-fifths of the United States lumber cut from 1800 to 1935, but the lumber industry is now drifting west.

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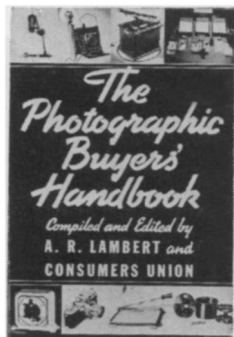
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