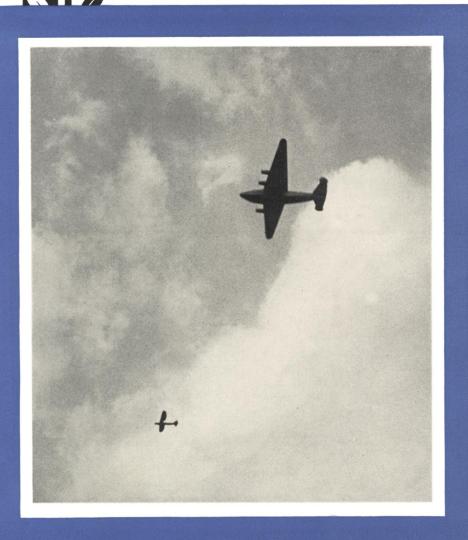
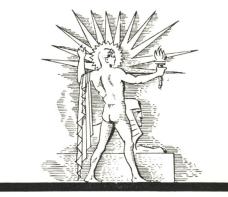
# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





April 8, 1939



Atlantic Clipper

See Page 214

SCIENCE SERVICE PUBLICATION

# Do You Know?

A British writer, describing falconry, calls it the "golf and tennis of Tudor times.'

More than 20,000 species of insects are known in the United States, and of these more than 6,000 rate as pests.

Japan requires gasoline to be mixed with five per cent alcohol, and will increase the amount until 20 per cent of alcohol is required.

It is not yet known whether chinchillas raised in England will retain the silky quality of their fur in a climate so different from that of the Andes.

Almost three-fourths of all wheat crop losses are due to bad weather, a term which includes drought, hail, cold waves, hot winds, storms, and too much rain.

A colt's long legs are not "full length" at birth, as some people think; the average draft colt will add seven inches from elbow to ground by the time it is grown.

About 150,000 persons in the United States each year are injured permanently and seriously enough to prevent a return to work without rehabilitation assistance.

Excavations for a new block of government buildings on the site of Whitehall Palace, London, have uncovered foundations of royal apartments, a wine cellar, a great hall built for Cardinal Wolsey, and other historic remnants which will be photographed before work proceeds.

## 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.

What proportion of America's tung oil requirement is produced at home? p. 216.

### ARCHAEOLOGY

Who were the holders of Maiden Castle? p. 222.

### AVIATION

In what year did the first air crossing of the Atlantic take place? p. 214.

### CHEMISTRY

To whom were \$1,000 awards recently made by The American Chemical Society? p. 217.

### **ECONOMICS**

What advantages do the anti-Nazi powers enjoy? p. 216.

### ENGINEERING

Why is metallic sodium dangerous to handle? p. 213.

### GENERAL SCIENCE

What is the value of our annual imports of German scientific apparatus? p. 216.

### GEOGRAPHY-BIOLOGY

Where is Cocos island? p. 218.

### HORTICULTURE

What weeds are common in both England and the United States? p. 223.

Is it advisable to start "dirtless farming" on a large scale? p. 223.

### ICHTHYOLOGY

What is the scientific name of the recently found "dinosaur age" fish? p. 218.

### MATHEMATICS

What is Fermat's last theorem? p. 219.

### MEDICINE

How much does a sulfapyridine treatment cost? p. 211.

How many children have rheumatic heart disease? p.~211.

What causes pellagra? p. 212.

How long will vaccination protect children against whooping cough? p. 216.

In what way did this year's epidemic differ from true influenza? p. 221.

### OCEANOGRAPHY

Why do steamers crossing the Atlantic go farther south in spring than in winter? p. 216.

### PHYSICS

Why is atomic power not practicable at present? p. 217.

What are the newest elements to be produced by atomic splitting? p. 218.

What vitamins are necessary for mouth health? p. 217.

### PSYCHOLOGY

What do old people need beyond economic security? p. 220.

### PUBLIC HEALTH

Why are efforts being made to cearly diagnosis in tuberculosis? p. 222. obtain

Ebony is not always black.

Guatemala has ghostlike towns that are almost deserted through the year, but thronged with perhaps 25,000 people on special days.

When the New York World's Fair ground becomes a permanent park, four buildings will be kept as a sports arena, auditorium, field house, and boat house.

Nearly a million members of the Coptic church in Egypt consider themselves descendants of the ancient Egyptians.

Two sets of actors, one to appear on the stage and one to speak the lines from a sound booth, will be used to make sure that audiences can hear every word in "The Cavalcade of the West," outdoor spectacle at the San Francisco

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