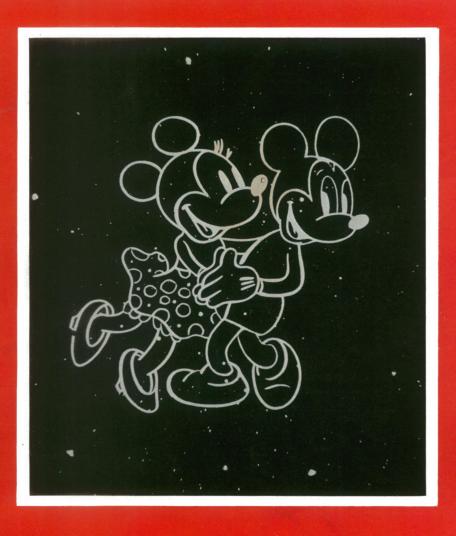
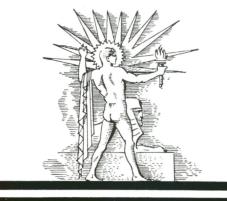
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





April 12, 1941



A SCIENCE SERVICE PUBLICATION

Do You Know?

The first railroad tunnel in the United States was built in 1833 near Johnstown, Pa.

Ancient Egypt, says an archaeological writer, had only one or two types of roses.

Soviet Russia's scientific interests include an Institute for the Study of Frozen Ground.

The Bureau of Mines is developing a special process for producing magnesium, vital metal in defense.

Latest government researches on cotton hosiery provide more attractive and durable designs for girls' campus socks of

University of New Hampshire foresters are hunting high-yielding sugar maples, to study the best way of reproducing good stock.

The Arabian government believes United States methods of helping the Indians with *land* and economic problems may help the Bedouins.

Diesel engines are often thought of as heavy, but Diesels weighing less than two pounds per horsepower are being turned out for U.S. Army tanks.

The Metropolitan Museum of Art has acquired a medieval military saddle used on parade, made of richly carved staghorn plaques fastened to a frame of wood, rawhide and birchbark.

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.

ANTHROPOLOGY

What change is taking place in the shape of American heads? p. 228.

How has an archaeologist determined the age at which Christ was crucified? p. 234.
What evidence has been found that the first five books of the Bible were all written by one man? p. 237.

ASTRONOMY

How can astronomers measure the size of the outer galaxies? p. 229.
Where has a spinning neon sign been found in the heavens? p. 236.

CHEMISTRY

How is golf affected by the high price of mercury? p.~232.

GENERAL SCIENCE

How does Dr. Rugg explain his aims in writing the much-discussed social science textbooks? p. 238.

What aid has the oldest scientific society in America sent to the oldest in Britain? p. 233.

What genetic refugees have come for safety to America? p. 232.

HERPETOLOGY

How do rattlesnakes detect their enemies?

What "exciting" discovery had been made about riboflavin and casein combined in diet?

What substance from the kidney has been found to reduce high blood pressure in dogs? p. 233.

Why did scientists use medical treatment on sick germs? p. 233.

In what foods can you obtain your daily supply of vitamin B_1 ? p. 231.

How can you magnetize a paper clip? p. 232.

What should you do if you fall into quick-

What should you do if you ran into quick-sand? p. 232.

Why do physicists now think that light travels more slowly than has previously been assumed? p. 239.

PUBLIC HEALTH

What chemical was deadly in the heatless permanent wave solution? p. 228.
What is the lesson for Americans in the epidemic at Halifax? p. 227.

How long does it take a life guard to strap on the new life-saving oxygen shirt? p. 236.

Longer life for dill pickles is in prospect, since scientists have found that pasteurization keeps them from going

A baby *oyster* is so unlike its parents that it has been described as resembling "a tiny thimble with a hairy belt around its middle."

Seed of shepherd's purse, black mustard and some other weeds may survive buried in the soil for 30 years, and sprout to make trouble.

The National Resources Planning Board has reported a case study of 144 communities that were constructed by a predetermined plan.

The Philadelphia College of Pharmacy and Science has been given largest known privately-owned collection of apothecaries' jars and mortars.

About 10,000 bales of low-grade American cotton will be used in highgrade writing paper this year, government agriculturists expect.

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