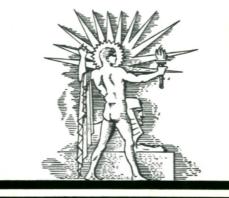
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





May 27, 1939



In Man-Made Fog

See Page 326

A SCIENCE SERVICE PUBLICATION

Do You Know?

Of its 435 kinds of birds, Florida counts 174 as "permanent residents."

The Arctic regions are usually coldest just before the sun rises, that is, in late February and early March.

An audience of 500 deaf students recently watched a television broadcast at the Golden Gate Exposition.

Inquiries on how to feed pet crickets and keep them healthy have recently been received by a Cornell entomologist.

Composers are generally at the height of their genius between 35 and 40 years of age, according to a recent statistical study.

The mental age of children entering psychopathic hospital wards is sometimes rated by observing how completely they draw the human form.

A collection of 1,500 mineral and fossil specimens, which two British women made prior to the 1820's, has come to the Field Museum of Natural History.

A Stone Age woman whose skeleton was found in the Crimean Peninsula had the end joints of the little fingers cut off -a custom known in recent times among primitives.

An archaeologist says that it is often hard to judge how warlike prehistoric men were, because stone blades and points could serve for hunting and domestic use as well as for combat.

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.

AERONAUTICS

How may fuel problems be solved for future aircraft? p. 324.
How can air mail be collected at places without airports? p. 324.
How has over-water flying been made less dangerous? p. 325.

AGRICULTURAL ECONOMICS

How can the Dust Bowl be kept covered? p. 335.

ARCHAEOLOGY

How are dead Indians' ears preserved? p.

ASTRONOMY

What makes Mars appear to "back up?"

BIOLOGY

What killed the sponges? p. 329.

CHEMISTRY

What is a sternutator? p. 326. How can lignite be made as good as soft coal? p. 328.

ENGINEERING

How can English be made to sound like Chinese? p. 328.

ETHNOLOGY

What modern people can really appreciate Psalm XXIII? p. 331.

GENERAL SCIENCE

Who had to deal with German "conquest mentality" in 1914-1918? p. 329.

MEDICINE

What kind of chemicals can reduce heart disease deaths? p. 323.

What hormone has been shown to be a cause of breast cancer? p. 323.

Can insulin benefit cancer cases? p. 324.

Can sulfanilamide check smallpox? p. 328. What disease do house mice carry? p. 329.

What disease germ is most similar to that of tuberculosis? p. 331.

PHYSICS

What is "hot" lightning? p. 323.

What happens to our hearing when there is a lot of extraneous noise? p. 325.

How can rockets be kept on the right course? p. 329.

PLANT PHYSIOLOGY

How can watermelons be made seedless? p. 328.

POPULATION

Is there less employment now than there was in January, 1930? p. 329.

PUBLIC HEALTH

What improvements in public health has 1939 already brought? p. 328.

To light up a dial phone, non-glare, seven-watt lights have been devised.

The London Zoo's baby giant panda, Ming, gets exercise by romping with a well-trained Alsatian dog.

A population expert figures that 52.5 per cent of the earth's inhabitants are living on a little over five per cent of the land area.

Fresh-harvested potatoes contain more vitamin C than potatoes kept in storage a month or longer.

A thick stand of cattails, willows and alders along a small brook or irrigation ditch may drink it dry.

To provide Stanford Museum with material for a coral scene, Florida divers collected a ton and a half of coral.

SCIENCE NEWS LETTER

MAY 27, 1939

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE, Inc., 2101 Constitution Avenue, Washington, D. C. Edited by WATSON DAVIS.

Subscriptions—\$5.00 a year; two years \$7.00; 15 cents a copy. Ten or more copies to same address, 5 cents a copy. Back numbers more than six months old, 25 cents.

In requesting change of address, please give your old address as well as the new one, at least two weeks before change is to become

Copyright, 1939, by Science Service, Inc. Republication of any portion of SCIENCE NEWS LETTER is strictly prohibited. Newspapers, magazines and other publications are invited to avail themselves of the numerous syndicate services issued by Science Service.

Cable address: Scienservc, Washington.

Entered as second class matter at the post-

office at Washington, D. C., under the Act of March 3, 1879. Established in mimeographed form March 18, 1922. Title registered as trademark, U. S. and Canadian Patent Offices. Indexed in Readers' Guide to Periodical Literature, Abridged Guide, and in the Engineering Index.

Members of the American Association for the Advancement of Science have privilege of subscribing to SCIENCE NEWS LETTER at \$3 a year.

The New York Museum of Science and Industry has elected SCIENCE NEWS LETTER as its official publication to be received by its mem-

Advertising rates on application. Member Audit Bureau of Circulation.

SCIENCE SERVICE is the Institution for the Popularization of Science organized 1921 as a non-profit corporation, with trustees nominated by the National Academy of Sciences, the National Research Council, the American Association for the Advancement of Science, the E. W. Scripps Estate and the journalistic profession.

Board of Trustees—Honorary President: William E. Ritter, University of California, Representing the American Association for the Advancement of Science: J. McKeen Cattell, Editor, Science; Henry B. Ward, University of

Illinois; Edwin G. Conklin, President, American Philosophical Society. Representing the National Academy of Sciences: W. H. Howell, Vice-President and Chairman of Executive Committee, Johns Hopkins University; R. A. Millikan, California Institute of Technology; Harlow Shapley, Harvard College Observatory. Representing National Research Council: C. G. Abbot, Secretary, Smithsonian Institution; Harrison E. Howe, Editor, Industrial and Engineering Chemistry; Ross G. Harrison, Yale University, Representing Journalistic Profession: John H. Finley, Editor, New York Times; J. Edwin Murphy, Managing Editor, Baltimore Evening Sun; O. W. Riegel, Washington and Lee School of Journalism. Representing E. W. Scripps Estate: Harry L. Smithton, Treasurer, Cincinati, Ohio; Warren S. Thompson, Miami University, Oxford, Ohio; W. W. Hawkins, Scripps Howard Newspapers.

Staff—Director Watson Davis; Writers, Frank Thone, Emily C. Davis, Jane Stafford, Marjorie Van de Water, Robert Potter, Leonard H. Engel; Correspondents in principal cities and centers of research. Photography: Fremont Davis; Librarian: Minna Gill; Sales and Advertising: Hallie Jenkins, Austin Winant, Howard Bandy.