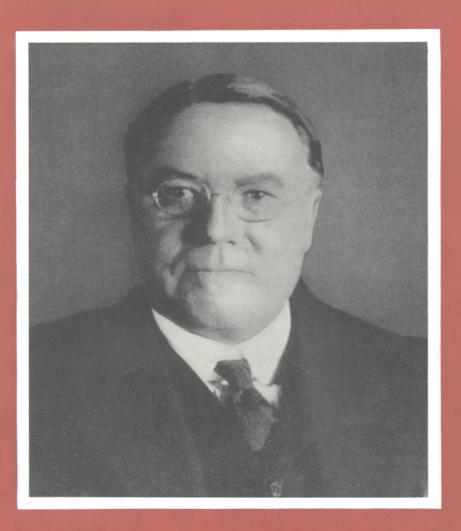
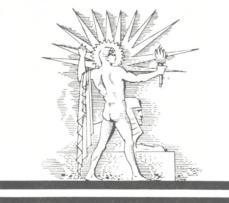
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





January 7, 1939



President, AAAS

See Page 4

A SCIENCE SERVICE PUBLICATION

Do You Know?

Yellowstone National Park boasts over 1,100 different flowering plants, about 500 of which may be in bloom at one time.

Synthetic wool made from casein, byproduct of milk, is found capable of taking the dyes used in coloring real

Mosquito larvae are being used in Department of Agriculture laboratories to test the killing power of new insecti-

Paris has a new Museum of Man, containing exhibits of various races and their customs, and also maintaining laboratories for research work.

The word "hybrid" was originally used by ancient Romans to describe pigs whose fathers were wild boars and whose mothers were tame sows.

The "battleship" in Arizona's petrified forest gets its name because big fossil logs stick out from an eroded formation like guns on a man-of-war.

American steel industry buys \$10,000 worth of platinum and thousands of carats of diamonds a year-for prosaic drilling and testing, not for jewelry.

Although Cortez and perhaps Columbus watched Indians playing with rubber balls, it was over 200 years before any semi-scientific report on rubber and its possibilities was received in Europe.

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

What advantage has the fabric fuel tank over a metal one? p. 8.

Why are present air records unlikely to be far outdistanced? p. 12.

ANTHROPOLOGY

Where was Pocahontas kidnapped? p. 8.

How can the minute objects of the world between the living and the inanimate be photographed? p. 11.

BOTANY

How long can dead plant cells go on making food? \mathbf{p} . 8.

CHEMISTRY

How can buildings be protected against incendiary bombs? p. 9.

GENERAL SCIENCE

How have scientific findings been misapplied in world affairs? p. 4.

In what fields is the new president of the American Association for the Advancement of Science prominent? p. 4.

What is the common meeting ground for science and religion? p. 10.

ICHTHYOLOGY

How do fishes change their color? p. 13.

MENTAL HYGIENE

How can men reach a new understanding of man? p. 5.

How can social customs cause mental breakdown? p. 14.

What good purpose is served by the propagandist? p. 5.

What type of migration benefits the new country? p. 6.

MEDICINE

How can a person be made immune to insect bites? p. 7.

What deadly snake poison is used for the relief of pain? p. 11,

Why are young girls most likely to develop tuberculosis? p. 8.

Why is it important to grow worms in test tubes? p. 7.

PHYSIOLOGY

What effect has cigaret smoking on blood pressure? p. 9.

PSYCHOLOGY

How can man's mental maladjustments be prevented? p. 3.

Why do men and rats suffer nervous breakdown? p. 3.

Why does mental coin flipping differ from actual chance? p. 12.

An electric heater for outdoor commercial clocks has been developed.

A new wood and plastic product results in a wood that will not chip or crack or burn.

Scientists have found altogether 35 different species of fossil penguins, types that lived long ago.

The Food and Drug Administration is attacking the use of bottles and other containers that are so shaped as to seem larger than they are.

The first baby chinchillas born in England are reported to be thriving.

Berlin is to have a museum of medical history, like the Wellcome Museum in London.

The rare rock rhododendron, a dwarf species, is being safeguarded in the Siskiyou National Forest in Oregon.

To brighten up the dinner plate, potatoes are now being produced in colors: red, pink, blue, yellow, russet, purple, as well as white with blue or red eyes.

SCIENCE NEWS LETTER

JANUARY 7, 1939 Vol. 35 No. 1

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.

Members of the American Association for the Advancement of Science have privilege of subscribing to SCIENCE NEWS LETTER at the reduced price of \$3 per year. Applications for this privilege should be accompanied by privilege card obtained from the Permanent Secretary, A.A.A.S. Smithsonian Institution Building, Washington,

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, maga-

zines 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 and in the Engineering Index.

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. Sewines, Estate and the investigation professions. 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, Garrison, N. Y.; Henry B. Ward, University of Illinois, Urbana, Ill.; Edwin G. Conkin, President, American Philosophical Society, Philadelphia, Pa. Representing the National

Academy of Sciences, W. H. Howell, Vice-President and Chairman of Executive Committee, Johns Hopkins University, Baltimore, Md.; R. A. Millikan, Director, Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena, Calif.; Harlow Shapley, Director, Harvard College Observatory, Cambridge, Mass. Representing National Research Council, C. G. Abot, Secretary, Smithsonian Institution, Washington, D. C.; Harrison E. Howe, Editor of Industrial and Engineering Chemistry, Washington, D. C.; Ross G. Harrison, Director, Osborn Zoological Laboratory, Yale University, New Haven, Conn. Representing Journalistic Profession, John H. Finley, Editor, New York Times; J. Edwin Murphy, Managing Editor, Baltimore Evening Sun, Baltimore, Md.; O. W. Riegel, Director, Lee School of Journalism, Washington and Lee University, Lexington, Va. Representing E. W. Scripps Estate, Harry L. Smithton, Tressurer, Cincinnati, Ohio; Warren S. Thompson, Miami University, Oxford, Ohio. 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.