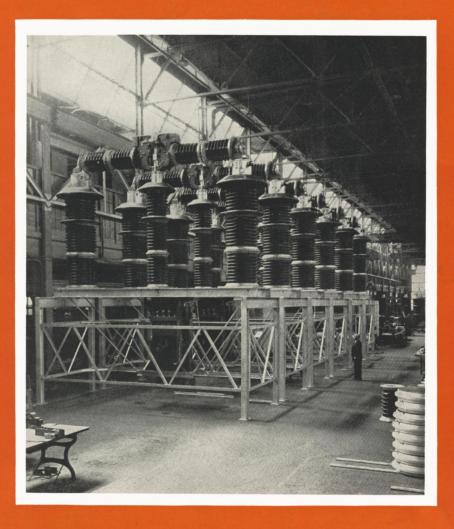
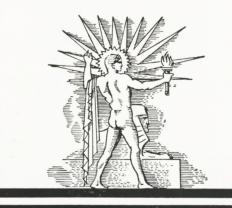
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





JUNE 1, 1935



Man Dwarfed By His Works
See Page 357

SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXVII The Weekly

No. 738

Summary of

Current Science

Published Every Saturday by

SCIENCE SERVICE

THE INSTITUTION FOR THE POPULAR-IZATION 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.

Edited by WATSON DAVIS

Subscription rates—\$5.00 a year postpaid; 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.

years \$1.00; 15 cents a copy. 1en of more copies to same address, 5 cents a copy. Back numbers more than six months old, 25 cents.

Canadian subscribers please add 50 cents a year, foreign subscribers 75 cents a year to regular subscription rate to cover postage.

Members of the American Association for the Advancement of Science have the privilege of subscribing to the Science Rews Letter at the reduced price of \$3 per year. Application for this privilege should be accompanied by privilege card obtained from the Permanent Secretary, A.A.A.S., Smithsonian Institution Building, Washington, D. C., In requesting change of address, please give your old address as well as the new one in notification to Circulation Department, Science News Letter, 2101 Constitution Ave., Washington, D. C., at least two weeks before change is to become effective. Copyright, 1935, by Science Service, Inc. Republication of any portion of the 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.

Publication Office, 1930 Clifton Ave., Baltimore, Md., Editorial and Executive Office, 2101 Constitution Ave., Washington, D. C. Address all communications to Washington, D. C. Cable address: Scienserve, Washington.

Entered as second class matter October 1, 1926, at the post-office at Baltimore, Md., under the act of March 3, 1879. Established in mimeographed form March 13, 1922. Title registered as trademark, U. S. and Canadian Patent Offices. Advertising rates furnished on application.

Member Audit Bureau of Circulations.

Board of Trustees of Science Service

Board of Trustees of Science Service

Honorary President, William E. Ritter, University of California. Honorary Vice-President, Vernon Kellogg, National Research Council. Representing the American Association for the Advancement of Science, J. McKeen Cattell, President, Editor, Science, Garrison, N. Y.; Burton E. Livingston, Johns Hopkins University, Baltimore, Md.; Henry B. Ward, permanent secretary, A.A.A.S. 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, Ludvig Hektoen, John McCormick Institute for Infectious Diseases, Chicago, Ill.; C. G. Abbot, Secretary, Smithsonian Institution, Washington, D. C.; Harrison E. Howe, Editor of Industrial and Engineering Chemistry, Washington, D. C. Representing Journalistic Profession, John H. Finley, Associate Editor, New York Times; Mark Sullivan, Writer, Washington, D. C.; Marlen E. Pew, Editor of Editor and Publisher, New York City. Representing E. W. Scripps Estate, Harry L. Smithton, Treasurer, Cincinnati, Ohio; Robert P. Scripps, Scripps-Howard News papers, West Chester, Ohio; Thomas L. Sidlo, Cleveland, Ohio.

Staff of Science Service

Director, Watson Davis: Staff Writers: Frank Thone, Emily C. Davis Jane Stafford, Marjorie Van de Water, Robert Potter; Astronomy writer, James Stokley; London correspondent, Donald Caley. Correspondents in principal cities and cen-ters of research. Librarian, Minna Gill; Sales and Advertising Manager, Hallie Jenkins.

DO YOU KNOW?

A new umbrella is equipped with a hollow handle to hold neatly rolled rub-

Thousands of pineapple shoots from France and America are being planted in state farms in the Caucasus region.

It is estimated that there are between 100 and 150 million mature sugar maple trees in forests and woodlots of Canada.

A Russian engineer has devised a way of recording long speeches or entire concerts, not on film, but on "talking paper ribbon."

Michigan grayling were once so thick they blocked the rivers; restoring these almost extinct game fish has proved far harder than the old sport of catching

Sir Aurel Stein, who re-traced the march of Alexander the Great and made other notable explorations in India, has received the Gold Medal of the Society of Antiquarians of London.

The Egyptians began their day at dawn, rather than at midnight as the modern world does.

A process of extracting nicotine from tobacco dust, patented in Germany, is being put into use abroad.

During road repairs, a hoard of 77 silver coins of the fourth and fifth centuries B.C. was found recently near Tiflis.

When most productive, a queen honeybee can lay 1,500 eggs a day, and she can maintain this rate for days at a time.

Showing the long, useful life of some textiles, a New Hampshire woman took a hundred year old linen sheet to a "clothes clinic" and made a sport dress out of it.

Very early Egyptians were accused of cannibalism when bones in their cemeteries revealed what looked like gnawing marks, but later investigation showed that beetles had infested the cemeteries and caused the damage.

WITH THE SCIENCES THIS WEEK

Most articles are based on communications to Science Service or papers before meetings, but where published sources are used they are referred to in the articles.

ARCHAEOLOGY

How were Egyptian nobles honored in death? p. 352.

What metal did the Israelites of Abraham's time use for finger rings? p. 349.

Where was the cradle of civilization? p. 348.

AVIATION

How does the Smithsonian Institution honor leaders in aeronautics? p. 352.

BOTANY

What is the best protection against poison ivy? p. 356.

ENDOCRINOLOGY

What new role has been found for the versatile pituitary gland? p. 349.

ENGINEERING

How much power will engineers get from the Bay of Fundy tides? p. 347.

In what medium did Indians preserve a record of the thrills of the plains? p. 354.

GENERAL SCIENCE

Have we done too much research? p. 352.

How do dogs aid in solving the drug addiction problem? p. 348.

How is the pituitary connected with diabetes?

What causes acute rheumatism? p. 353.

What diet is recommended to "reduce" a fat liver? p. 357.

What value has "tone control" for the steth-oscope? p. 353.

METEOROLOGY

From what source does the Hydrographic Office hope to receive reports of hurricanes? p. 352.

OCEANOGRAPHY

How large is the Sargasso Sea? p. 350.

PHYSICS

How penetrating are artificial gamma rays? p. 352.

PSYCHOLOGY

What are the "worry" diseases? p. 351.

How does the mental disease schizophrenia upset the body functions? p. 348.

SEISMOLOGY

Why do seismologists expect a severe earthquake in July? p. 356.

To what length does the Killer Whale grow? p. 351.

What is the speed record for snakes? p. 353. Where are man-eating sharks claiming more victims? p. 350.

Which wild creatures will survive longest under man's destruction of them? p. 353.