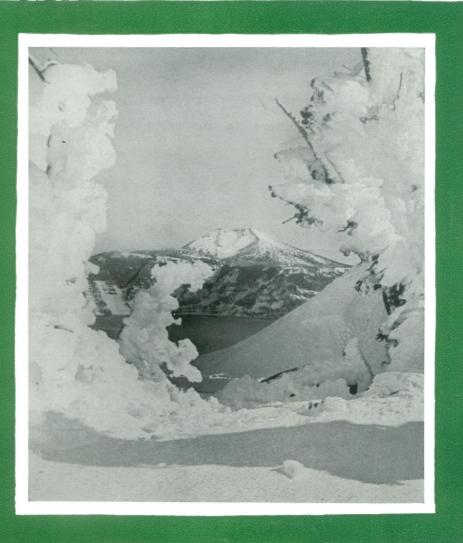
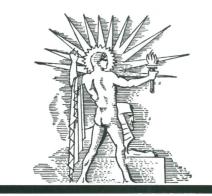
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •





DECEMBER 29, 1934



Youth in Nature
See Page 410

SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXVI The Weekly

No. 716

Summary of

Current Science

Published Every Saturday by

SCIENCE SERVICE

THE INSTITUTION FOR THE POPULARIZA-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.

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.

Canadian and foreign subscribers please add \$1 a year to regular subscription rates to cover postage. Members of the American Association for the Advancement of Science have the privilege of subscribing to the Science News 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, 21st and Constitution Ave., Washington, D. C., at least two weeks before change is to become effective.

Copyright, 1934, 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, 21st and 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 mime-ographed form March 13, 1922. Title registered as trade-mark, U. S. and Canadian Patent Offices. Advertising rates furnished on application.

Board of Trustees of Science Service

Board of Trustees of Science Service

Honorary President, William E. Ritter, University of California. Representing the American Association for the Advancement of Science, J. McKeen Cattell, President, Editor, Science, Garrison, N. Y.; Button E. Livingston, Johns Hopkins University, Baltimore, Md.; Raymond Pearl, Director, Institute for Biological Research, Johns Hopkins University, Baltimore, Md. 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.; David White, Senior Geologist, U. Sceological Survey. Representing National Research Council, Vernon Kellogg, Secretary Emeritus, National Research Council, Washington, D. C.; C. G. Abbot, Secretary, Smithsonian Institution, Washington, D. C.; C. G. Abbot, Secretary, Smithsonian Institution, 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 Newspapers, 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 centers of research, Librarian, Minna Gill; Sales and Advertising Manager, Hallie Jenkins.

DO YOU KNOW?

There are more Indians in Oklahoma than in any other state.

The art of making paper reached Europe as a consequence of the Moorish invasion of Spain.

Cleopatra's Needle in London is crumbling from the dampness and the sulphuric acid in London's fogs.

By heating the soil under hotbeds, plant growers find that geraniums root in 18 days instead of about 30.

A small boat found in a bed of turf, near Chervonny village in Russia, is pronounced about 2,000 years old.

Japan is in the situation of having a population about half that of the United States crowded into an area the size of California.

The fingerprint collection in the Department of Justice, with 4,700,000 prints of law-breakers, has been called an American Encyclopedia of Crimi-

Eight billionths of an ounce of radium in a pound of bath salts is too much radium for safety, the Federal Food and Drug Administration ruled, in banning a shipment of medicinal bath salts from France.

Negro slavery was introduced into the West Indies as early as 1502.

Mountain goats are increasing in Mount Rainier National Park, Wash-

Various species of rhinoceros were abundant in North America, millions of years ago.

The dojo or weather fish of Japan buries itself in the sand, leaving its head out, when storms approach.

New York has been the largest city in the United States from the time of the very first census, 1790, when it had 33,000 inhabitants.

A human being not only has two sets of teeth, which appear consecutively, but also two sets of hair, one of which vanishes soon after birth.

One primitive fungus which can attack the tissues of 37 different plants and numerous small animals prefers, among them all, dead onion roots.

Eight hundred prehistoric paintings found on the rocks in caves of the Libyan Desert are believed by the discoverer to be the work of Ethiopian Troglodytes, who have generally been thought legendary people.

WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY

What scientific purpose will be served by historic Bohus Castle? p. 410.

Where did the ancient Mexican Indians get their gold? p. 408.

ASTRONOMY

What type of eclipse is important to astronomers? p. 406.

Why is the new nova likely to prove the most important of its kind? p. 404.

What is phenology? p. 411.

CHEMISTRY

What is the great value of artificial rubber? p. 410.

GENERAL SCIENCE

What is the range of problems handled by the Science Advisory Board? p. 405.

What are the chromosome disks like in internal structure? p. 409.

GEOLOGY

How do sci Lake? p. 410. scientists know the age of Crater

MEDICINE

How often does influenza reach a peak? p. 403.

METEOROLOGY

What kind of winter is forecast for the northeastern United States? p. 404.

PALEONTOLOGY

How long ago did rabbits lope in Idaho? p. 410.

PHYSICS

What is the plan for carrying power by airless pipe? p. 408.

Can extinct species be brought back to earth? p. 411.