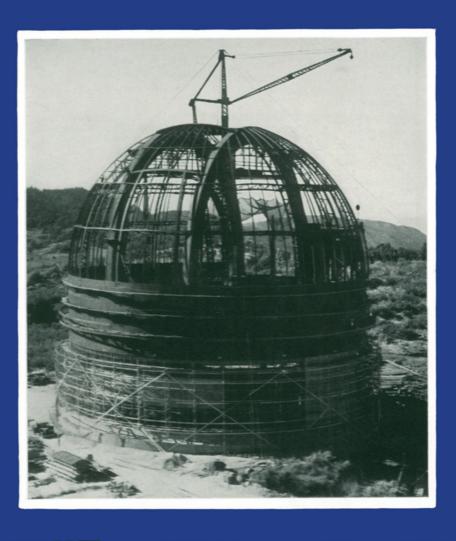
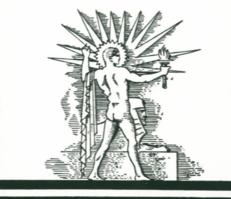
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE .





January 29, 1938



A Home For Cyclops

See Page 69

A SCIENCE SERVICE PUBLICATION

Do You Know?

Some of the newest electric kitchen stoves have cigarette lighters.

Egypt is seeking new ways to irrigate arid land, to increase its farming area.

Hot springs are found in many countries; but the particular type of hot spring known as a geyser occurs only where volcanoes have been active at some time.

Incas of Peru could send messages from Quito to Cuzco-over a thousand miles-in a week, by their system of runners, relaying the message along the

In general, if you dig into the earth's crust, you find it one degree hotter each 56 feet; but in Yellowstone Park's geyser area the heat increases one degree almost every foot.

Metal flooring with small monel disks spot-welded on it is a new safety device for kitchens on ships and trains, and for factory floors likely to become wet and slippery.

A goldfish hatchery in Indiana sends its goldfish to New York in a truck equipped with a special engine, so that fresh air is forced constantly through the water in the big truck tank.

The biggest known iron meteorite was found in southwest Africa and weighs some 50 to 70 tons; but there are reports, not yet authenticated, of an iron mass in western Africa so big that it might weigh over a million tons.

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.

ARCHAEOLOGY

When was Troy first built? page 67. Where did Indians become syphilitic?

Where was the alphabet invented? page

ASTRONOMY

How nearly finished is the largest telescope dome? page 69.

Where is Eros? page 72.

What month can be without a new moon? page 74.

AVIATION

What operates the robot plane lander?

How would "flight strips" be used? page

How can airplane doors be made self-sealing? page 73.

Why do bombers miss their targets? page

BIOPHYSICS

Who first described "M-rays"? page 73.

CHEMISTRY

How many Department of Agriculture scientists are working obean problems? page 71. industrial soy-

DEMOGRAPHY

What is happening to the birthrate? page 71.

MEDICINE

Why must new-born babies warm? page 73. be kept

MILITARY SCIENCE

How much does it cost to gas-proof a room? page 76.

OCEANOGRAPHY

How rapid is the Arctic ice drift? page 72.

PHILOSOPHY

Which came first, brain or intelligence? page 78.

PHYSICS

How much heat can cellulose films save? page 70.

What is a dewbow? page 72.

PHYSIOLOGY

Do we prefer sweet things to bitter? page 72.

PLANT PHYSIOLOGY

When will petals grow roots? page 72.

Who are least liable to sickness? page 67. Where must the next effort for national health be focussed? page 67.

SEISMOLOGY

How destructive are deep-focus earthquakes? page 77.

SOCIOLOGY

Who are likeliest to be rebels? page 70.

WILDLIFE MANAGEMENT

What should be done about excess game? page 78.

A Hungarian doctor is experimenting with hypnotizing lions and other animals, to aid zoo veterinarians in treating sick or injured animals.

Deer fed by hand-outs from summer visitors, in national parks, sometimes become pauperized and cannot fend for themselves when winter comes.

Plant scientists are still hoping to produce the "perfect" potato—a variety that will combine quality, strong resistance to disease, and large yield.

Norway has two official languages: the riksmaal, used for centuries in books and cultured speech; and the landsmaal, the homely speech of rural districts.

SCIENCE NEWS LETTER

JANUARY 29, 1938

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, D. C.

D. C.

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

Copyright, 1937, 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: Scienserve, 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 Circulations.

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, Garrison, N. Y.; Henry B. Ward, University of Illinois, Urbana, Ill.; Edwin G. Conklin. President, American Philosophical Society, Philadelphia, Pa. Representing the National Academy of Sciences, W. H. Howell, Vice-Presi-

dent 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. Repsenting 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, Editor, New York Times, Mark Sullivan, Writer, Washington, D. C.; Dean Carl W. Ackerman, Columbia University Graduate School of Journalism, New York City. Representing E. W. Scripps Estate, Harry L. Smithton, Treasurer, Cincinnati, Ohio; Robert P. Scripps, Scripps-Howard Newspapers, West Chester, Ohio; Warren S. Thompson, Miami University, Oxford, Ohio.

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, Ronald L. Ives, Leonard Engel; Correspondents in principal cities and centers of research. Photographer: Fremont Davis; Librarian: Minna Gill; Sales and Advertising: Hallie Jenkins, Austin Winant, Howard Bandy.