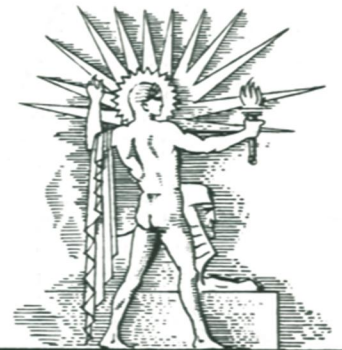
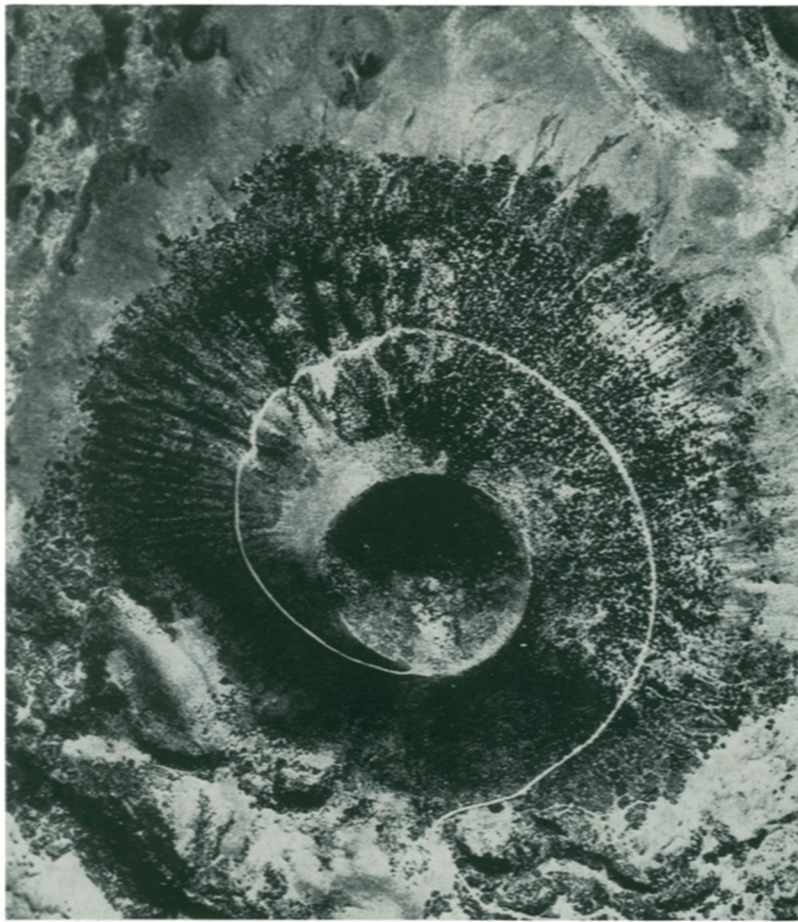


PRICE
15¢

SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



March 12, 1938

Vulcan Unemployed

See Page 165

A S C I E N C E S E R V I C E P U B L I C A T I O N

Do You Know?

Fish are accused as possible carriers of cholera.

A German engineer foresees ocean steamers equipped with wings like those of airplanes, to prevent rolling and to increase speed.

In making glass thread, over 300 miles of fiber can be blown from a little marble of glass weighing a quarter of an ounce.

The New York Zoological Park has acquired from South Africa a Potato Frog, which remarkably resembles the vegetable it is named after.

Paint for room walls should be a trifle lighter than the color wanted, because the wall surfaces will reflect one another, making the color seem deeper.

Several times recently banks of the Niagara River have been strewn with millions of fish, killed by polluted matter poured into the river from industrial plants.

Health education has helped, but styles in clothes have done the most to make women posture conscious, says Miss Dorothy Bateman of Cornell's physical education department.

Just 100 years ago an expedition sailed to check the fantastic theory that the earth was hollow with holes top and bottom through which men could enter the interior—and the expedition discovered the Antarctic continent.

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 there a Greek garrison at Marseilles? p. 169.
What was found at Mapungubwe Hill? p. 172.

AVIATION

What is a tachistoscope? p. 163.
How high will new-type passenger planes fly? p. 164.
What are multiple courses? p. 165.

BIBLIOGRAPHY

Who is the new director of the American Documentation Institute? p. 166.

BIOCHEMISTRY

What comes out of your skin when you wash? p. 174.

BOTANY

Where do the world's biggest peanuts grow? p. 173.

DOCUMENTATION

When will the next international documentation conference be held? p. 169.

ECOLOGY

How much rain can leaves intercept? p. 174.

ENGINEERING

How is coaxial cable built? p. 170.

ETHNOLOGY

What opposite extremes prevent human progress? p. 165.
When was Irish spoken in Germany? p. 169.

EXPLORATION

What was the proposal of a famous Russian chemist? p. 168.

FORESTRY

How many graduate schools of forestry are there in the United States? p. 174.

MEDICINE

To whom will the Francis Amory Septennial Prizes be awarded? p. 169.

MEDICINE—PHYSICS

Where is the world's largest cascading transformer? p. 168.

MINERALOGY

Of what use is photofilm in mineralogy? p. 167.

PHYSIOLOGY

What is the function of the thymus gland? p. 166.
How can the course of chemical elements be traced through the body? p. 168.

PSYCHIATRY

What can doctors learn from the way a child treats a doll? p. 167.

RADIO

How can "hams" help when floods come? p. 168.

VITAL STATISTICS

Is there any difference between tobacco and alcohol in their effects on longevity? p. 163.

Navajo Indians use only about 15 per cent. of the wool from their flocks for their famous blanket weaving.

Over two million trees have been planted in Palestine to reforest the land, by aid of the Jewish National Fund.

A new kind of cotton gin separates seed from cotton by centrifugal force.

Accidents on the Mount Vernon Memorial Highway in Virginia increased 250 per cent. at night after lights were discontinued.

SCIENCE NEWS LETTER

Vol. 33 MARCH 12, 1938 No. 11

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.

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 effective.

Copyright, 1938 by Science Service, Inc. Reproduction 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: 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 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, 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-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, 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; 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.