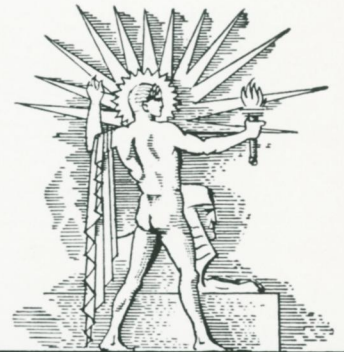
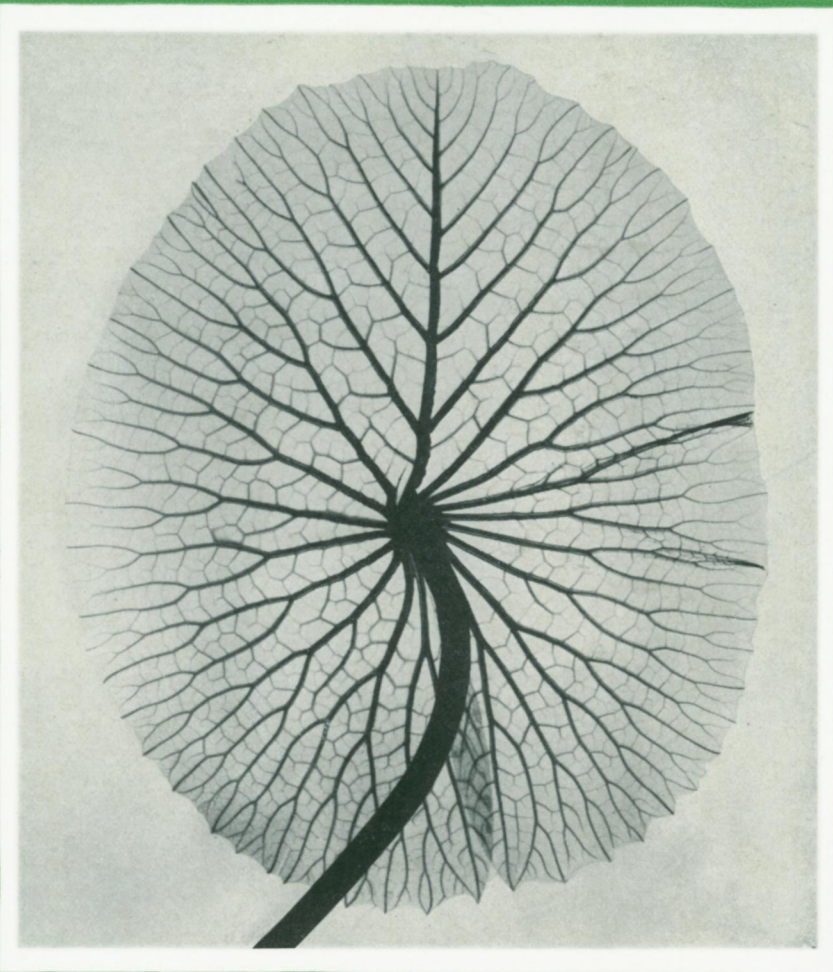


PRICE
15¢

SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



OCTOBER 10, 1936

Looking Within

See Page 233

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

SCIENCE NEWS LETTER

Vol. XXX



No. 809

The Weekly Summary of

Current Science

Published Every Saturday by

SCIENCE SERVICE

2101 Constitution Avenue

Washington, D. C.

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 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 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, 2101 Constitution Ave., Washington, D. C., at least two weeks before change is to become effective.

Copyright, 1936, by Science Service, Inc. Reproduction 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.

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 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

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 Newspapers, West Chester, Ohio; Warren S. Thompson, Miami University, Oxford, 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. *Correspondents* in principal cities and centers of research. *Librarian*, Minna Gill; *Sales and Advertising Manager*, Hallie Jenkins.

DO YOU KNOW?

A chow dog's tongue is almost black.

Most snakes are good swimmers.

Pekinese dogs are pictured on some of China's ancient pottery art.

Beavers are the largest rodents in North America.

East Africa has a breed of oxen with horns that spread more than eight feet from tip to tip.

In the search for motor fuels, Italy is finding unexpectedly good results with anhydrous ammonia.

Among scientists recently honored on postage stamps are Darwin, von Guericke, and Nikola Tesla.

A tuberculosis center with 1,400 beds is to be built in Buenos Aires, Argentina, at a cost of almost \$2,000,000.

Why tooth decay occurs so frequently in boys and girls in their teens is a dental problem not yet solved.

Most animals that climb trees descend tail first, but a few kinds, such as squirrels and chipmunks, climb down head first.

Numerous strings of beads made of ostrich egg shell are considered practically enough of a costume by Ovambo women in Southwest Africa.

Fire scenes in the movies can be kept cool by a chemical trick of combining inflammable and non-inflammable substances.

By a new method of testing peach seed, a nurseryman can tell within a week whether seed will germinate, instead of waiting almost three months as has been necessary.

A Franciscan expedition digging on top of Mount Nebo has found a fourth century Christian church that once stood on the famous Bible site.

Although naturalists recognize 15 different races of fox sparrows in the West, the differences are so subtle that even experts may have to compare a bird with museum specimens to identify it.

The Quetta nectarine from India is adapting itself to commercial growing in California, and should ripen successfully as far north as Iowa and Pennsylvania.

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 article.

AGRICULTURE

How is the cotton industry meeting its problems? p. 234.

Is climate important to the arthritis sufferer? p. 230.

ANTHROPOLOGY

Were ancient Aleutian Islanders skilled in art? p. 228.

MEDICINE-IMMUNOLOGY

What is the nature of the antibodies that give immunity? p. 227.

ARCHAEOLOGY

How long ago did man live in America? p. 228.

OBSTETRICS

Can a mother know the size of her unborn baby's head? p. 229.

Is the barbecue feast an old American custom? p. 232.

PHYSIOLOGY

How does alcohol make a person drunk? p. 233.

BACTERIOLOGY

Does a virus ever attack a book? p. 232.

What is the cause of mountain sickness? p. 233.

CHEMISTRY

Can explosives be made of corn? p. 228.
Is alcohol-blended gasoline to be on sale soon? p. 237.

Why do your feet hurt? p. 236.

Is power alcohol popular in Germany? p. 238.

PLANT PATHOLOGY

Can tobacco mosaic be conquered? p. 232.

GEOLOGY

Is old mother earth on a fattening diet? p. 231.

ROENTGENOLOGY

What is a tomograph? p. 229.

Was Wyoming once under water? p. 232.

MEDICINE

Under what circumstances may X-rays change personality? p. 229.

VITAL STATISTICS

How long do men live, on the average? p. 233.