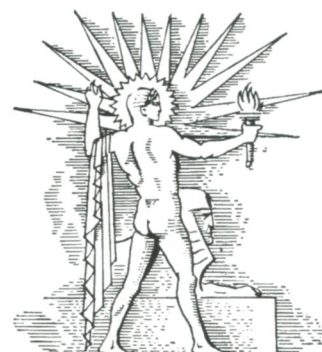
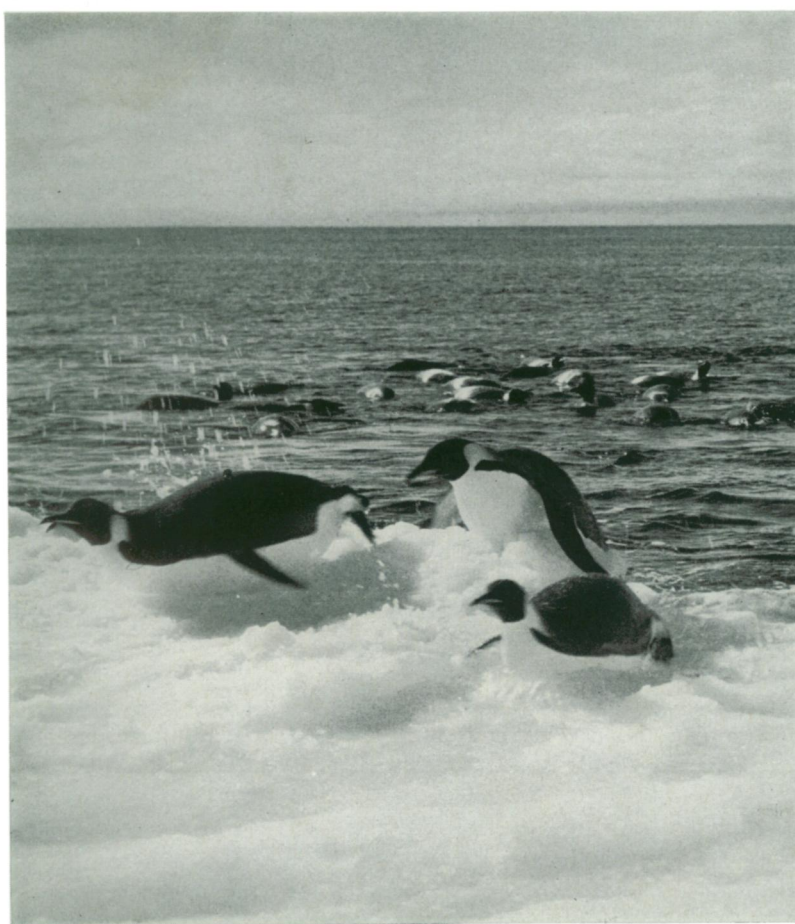


PRICE
15¢

SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



June 28, 1941

Antarctic Royalty

See Page 405

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?

Tuna fish are giant specialized mackerel.

A battleship's *range finder* contains almost 100 prisms, lenses, and other optical parts.

By steam cleaning and lacquering old *tin cans*, Switzerland finds it possible to re-use those not dented or damaged.

For making *drums*, Indians prefer a dead tree trunk, with sound exterior but decayed center that can be hollowed easily.

A new synthetic textile from *seaweed* produced in Britain is cheaper than viscose rayon and has many desirable qualities.

According to current report, Germany's *hogs* are 15% to 20% fewer now than at the start of war, when they were officially estimated at 24,830,000.

Among the highly trained *physicists* in the University of California's atom-smashing Radiation Laboratory is a Chinese girl, Dr. Wu Chien-Shiung.

Using *smoke signals*, Canadian foresters recently recruited three Indians as army volunteers, when ice and bad roads prevented going to an island settlement.

It is well known that European *cuckoos* lay their eggs in other birds' nests, but an ornithologist now says that each female cuckoo chooses a single type of bird as host, and her eggs tend to resemble those of the nest owner.

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.

AGRONOMY

What trees are not benefited by vitamin B₁? p. 406.

ASTRONOMY

How can you tell time by the stars? p. 407.

ASTRONOMY-GENERAL SCIENCE

How much does sea level depart from level? p. 404.

What are the K giants? p. 403.

What will be one of the first uses for the great 200-inch telescope? p. 403.

CHEMISTRY

How can the home dressmaker have a dummy to match exactly her own figure? p. 411.

INVENTION

How can you keep insects off your windshield? p. 405.

PHYSICS

How will the electron microscope aid the biologist? p. 406.

PSYCHOLOGY

How can you counteract the psychological effects of propaganda doses? p. 409.

RADIO

What American invention is like the new British airplane locator? p. 404.

ZOOLOGY

What do weasels feed on? p. 410.

What is the only disease given to man by the dog? p. 410.

Iraq produces 4,000,000 tons of oil a year, and Iran produces 10,000,000.

Modern *airliners* have about 50 instruments, compared with 15 provided a few years ago.

The white *rhinoceros* has a dark coat, made pale by the mud in which the animal likes to wallow.

Arizona's Petrified Forest National Monument area contains about 7,000,000 board feet of *petrified wood*.

Boulder Dam has a *museum*, showing archaeological, historical, geological and biological features of the area.

The erect angle of *young* leaves protects them from losing moisture and presents less surface to sunlight.

With arrival of warm weather—*ice cream* flavored with spinach, carrots, peas and asparagus is a new menu idea.

● RADIO

Thursday, July 3, 2:45 p.m. EST

On "Adventures in Science," with Watson Davis, director of Science Service, over Columbia Broadcasting System.

Charles A. Federer, Jr., editor of *The Sky* and secretary of the Amateur Astronomers Association, will discuss "that hobby of astronomy."

Listen in each Thursday.

The West Indian *seal* is unusual because it is a warm water seal.

Australia has completed construction of its *National Standards Laboratory* at Sydney.

Government engineers have perfected a single-wheeled trailer outfit to measure *road smoothness*.

Apples mentioned in the Bible were probably the fruit we know as apricots, in the opinion of some botanists.

Each *planet* gives out just about the same amount of light and heat that it receives from the sun, and no more.

SCIENCE NEWS LETTER

Vol. 39 JUNE 28, 1941 No. 26

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.

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, 1941, by Science Service, Inc. Reproduction 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: 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 18, 1922. Title registered as trademark, U. S. and Canadian Patent Offices. Indexed in Readers' Guide to Periodical Literature, Abridged Guide, and in the Engineering Index.

Members of the American Association for the Advancement of Science have privilege of subscribing to SCIENCE NEWS LETTER, at \$3 a year.

The New York Museum of Science and Industry has elected SCIENCE NEWS LETTER as its official publication to be received by its members.

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.

Board of Trustees—Nominated by the American Association for the Advancement of Science: Henry B. Ward, University of Illinois; Edwin G. Conklin, American Philosophical Society; J. McKeen Cattell, Editor, Science. Nominated by the National Academy of Sciences: R. A. Millikan, California Institute of Technology; Harlow

Shapley, Harvard College Observatory; William H. Howell, Johns Hopkins University. Nominated by the National Research Council: Ross G. Harrison, Yale University; C. G. Abbot, Secretary, Smithsonian Institution; Harrison E. Howe, Editor, Industrial and Engineering Chemistry. Nominated by the Journalistic Profession: O. W. Riegel, Washington and Lee School of Journalism; A. H. Kirchhofer, Buffalo Evening News; Neil H. Swanson, Baltimore Evening Sun. Nominated by the E. W. Scripps Estate: Frank R. Ford, Evansville Press; Warren S. Thompson, Miami University, Oxford, Ohio; Harry L. Smithton, Cincinnati, Ohio.

Officers—Honorary President: William E. Ritter, President: Edwin G. Conklin. Vice-President and Chairman of Executive Committee: Harlow Shapley. Treasurer: O. W. Riegel. Secretary: Watson Davis.

Staff—Director: Watson Davis. Writers: Frank Thone, Emily C. Davis, Jane Stafford, Marjorie Van de Water, James Stokely. Photography: Fremont Davis. Librarian: Minna Gill. Business Manager: Alvin C. Stewart. Sales and Advertising: Hallie Jenkins, Austin Winant. Correspondents in principal cities and centers of research.