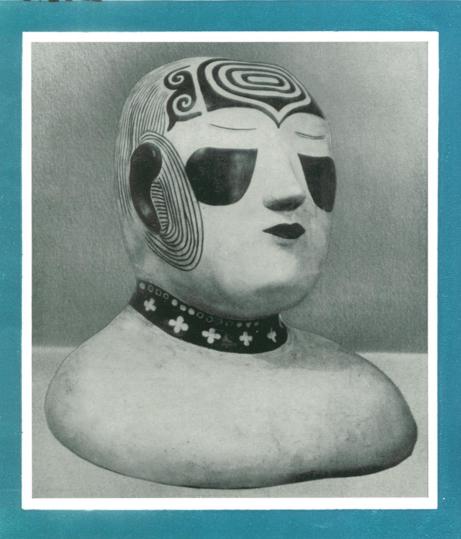
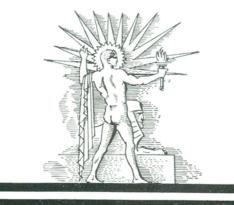
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





MARCH 25, 1933



Death in Siberia

See Page 185

SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXIII



Published by

SCIENCE SERVICE

The Institution for the Popularization of Science organized under the auspices of the National Academy of Sciences, the National Research Council and the American Association for the Advancement of Science.

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.

In requesting change of address, please give old as well as new address.

Advertising rates furnished on application.

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.; Burton 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, National Research Council, Washington, D. C.; R. A. Millikan, Director, Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena, Calif.; David White, Senior Geologist, U. S. Geological Survey. Representing National Research Council, Vernon Kellogg Secretary Emeritus, National Research Council, Washington, D. C.; C. G. Abbot, Secretary, Smithsonian Institution, Washington, D. C.; Harrison E. Howe, Editor of Industrial and Engineering Chemistry. 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

Managing Editor Watson Davis; Staff writers: Frank Thone, Emily C. Davis, Jane Stafford, Marjorie Van de Water, J. W. Young; Librarian, Minna Gill; Sales and Advertising Manager, Hallie Jenkins.

Manager, Hallie Jenkins.

Copyright 1933, by Science Service, Inc. Republication of any portion of the SCIENCE NEWS LETTER is strictly prohibited since it is distributed for personal, school, club or library usonly. Newspapers, magazines and other publications are invited to avail themselves of the numerous syndicate services issued by Science Service, details and samples of which will gladly be sent on request.

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. S., Smithsonian Institution Building, Washington, D. C.

Publication Office, 1930 Clifton Ave., Baltimore, Md., Editorial and Executive Office, Constitution Ave. at 21st St., N. W., 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 mimeographed form March 13, 1922. Title registered as trade-mark, U. S. and Canadian Patent Offices.

DO YOU KNOW?

Weather observations have been telegraphed from stations since 1870.

Experiments indicate that quinine can be grown in the Philippines.

Eighty-five per cent. of the lemons consumed in the United States and Canada are grown in California.

Government scientists find that they can use rabbits in some of their experiments to test rations for dairy cows.

The upper atmosphere is warmed by ozone, is the conclusion based on spectroscopic experiments by an Oxford scientist.

A new dental lamp, a British invention, makes it possible for a dentist to do most of his work sitting, instead of standing all day.

Sharks have no bony framework, and when brought on land their bodies flatten so that they look very different from sharks in the sea.

There are about 217,000 Indians in the United States.

Some of the big old dinosaurs had jaws containing 2,000 teeth.

There are 100 million fewer apple trees in the United States now than in

Deaths from automobile accidents fell off 13 per cent. in the United States

There are regions in Siberia where the ground is perpetually frozen hundreds of feet deep.

A statement from Cornell University says that while calf, beef, and pig liver differ in price, they are practically equal in food value.

California citrus fruit specialists have been developing a quick, simple test to enable packers to estimate more accurately the state of maturity of lemons.

WITH THE SCIENCES THIS WEEK

AGRICULTURE

Does idle land lose fertility? p. 179.

AGRICULTURE-GEOGRAPHY

Can wheat be raised profitably when it brings 60 cents a bushel? p. 182. The Pioneer Fringe—Isaiah Bowman—Amer. Geographical Soc., 1931, \$4.

Animal Psychology

How do a dog and a cat live on food eaten by the dog alone? p. 180.

What is the minimum age given the thumb nail scraper found in Nebraska? p. 180. Ice Ages, Recent and Modern—A. P. Coleman—Macmillan, 1926, \$4.

What is the size of the only prehistoric measuring cups that have been found? p. 189.

Who were the blond Siberians? p. 185.

Which vitamins have been found to be closely related to complex compounds? p. 185.

CHEMISTRY-HOME ECONOMICS

What is "milkorno?" p. 191.

ENTOMOLOGY What is a bug? p. 191.

How are the people of the world becoming standardized? p. 181.

What American Indians practice word swallowing? p. 186.

FORESTRY How old are trees in Lapland? p. 184.

How were barbs bred out of Wisconsin bar-ley? p. 190. Recent Advances in Agricultural Plant Breeding—H. Hunter and H. Martin Leake—Blakiston's, 1933, \$4.

GEOLOGY
How long will the land of Great Britain remain above sea level? p. 183.

MEDICINE

How are baths tinctured with poison ivy extract for sufferers? p. 186.

PHOTOMICROGRAPHY

How long an exposure should be used with a common box camera taking pictures through a microscope? p. 179.

PHYSICS

How does cosmic ray intensity vary with altitude at the equator? 185.

What is considered the first successful prediction of radioactivity? p. 186. Beryllium, Its Production and Applications—Siemens Company—Chemical Catalogue Company, 1932, \$10.

When was the first photograph of a positron taken? p. 179.

PHYSIOLOGY
When do children do most growing? p. 179.

SEISMOLOGY
Along what fault was the Long Beach earthquake of this month? p. 188.

SOCIOLOGY
How does Germany use garbage to aid unemployment? p. 185.

STATISTICS

When is it likely that life expectancy will be increased to 70 years? p. 184.

TEXTILES
Why does artificial silk crease easily? p. 185.

These curiosity-arousing questions show at a a glance the wide field of scientific activity from which this week's news comes. Book references in italic type are not sources of information of the article, but are references for further reading. Books cited can be supplied by Book Dept., Science News Letter, at publishers' prices, prepaid in U. S.