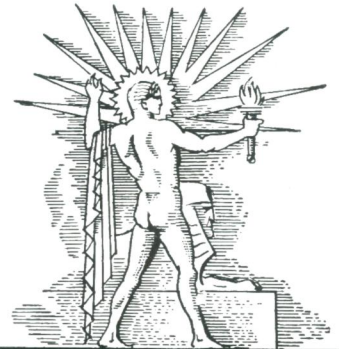


PRICE
15¢



SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



OCTOBER 6, 1934

A Most Transparent Theft

See Page 222

A SCIENCE SERVICE PUBLICATION



SCIENCE NEWS LETTER

VOL. XXVI

No. 704

The Weekly
Summary of  Current
Science

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.

Canadian and Foreign subscribers please add \$1 a year to regular subscription rates to cover postage.

In requesting change of address, please give your old address as well as the new one in notification to Circulation Department, SCIENCE NEWS LETTER, 21st and Constitution Ave., Washington, D. C., at least two weeks before change is to become effective.

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*, Johns Hopkins University, Baltimore, Md.; 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*, 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. Smithon, *Treasurer*, Cincinnati, Ohio; Robert P. Scripps, Scripps-Howard Newspapers, West Chester, Ohio; Thomas L. Sidlo, Cleveland, Ohio.

Director, Watson Davis; *Staff writers*: Frank Thone, Emily C. Davis, Jane Stafford, Marjorie Van de Water, Robert Potter; *Librarian*, Minna Gill; *Sales and Advertising Manager*, Hallie Jenkins.

Copyright, 1934, by Science Service, Inc. Reproduction of any portion of the SCIENCE NEWS LETTER is strictly prohibited since it is distributed for personal, school, club or library use only. Newspapers, magazines and other publications are invited to avail themselves of the numerous syndicate services listed 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: Scienservc, 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?

The mule deer is the most important species of game mammal in California.

A recent landslide at Lyon, France, helped to uncover a Roman amphitheater.

A way of feeding milk to fish has been devised: flakes of dried milk food insoluble in water.

Swordfish, joining the ranks of cod and halibut, produces a liver oil rich in vitamins A and D.

There are 98 reporters who keep track of ice conditions on the Great Lakes for the Weather Bureau.

Contrary to common belief, the eating quality of old carrots is as good or better than that of young carrots.

Tax experts have figured that a one-cent rise in the gasoline tax rate leads to a decreased consumption of gasoline of about five per cent.

Commercial efforts are being made in China to increase milk drinking.

Lobsters are said to live 20 years or more—if they are able to survive the hazards that beset them.

A British scientist comments that London's streets have been efficiently drained and paved only twice in the city's entire history; in the day of the Romans, and during the past hundred years.

Hungarian soap makers are turning out soap cakes with bakelite tablets in the middle bearing the factory's name or trade-mark, thus reminding the user of the brand when the soap is about used up.

A test pilot predicts that unless the technical improvements of aircraft are simplified it will eventually be necessary for a pilot to have a doctor's degree in engineering from a university before he will be able to fly a plane.

WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY

What preserved the wooden handle of a dagger for centuries? p. 215.

Why is the Payne collection of Indian relics famous? p. 215.

ASTRONOMY

What is the temperature of the blue-hot stars? p. 216. *Other Worlds—Edwin L. Moseley—Applenton-Century, 1933, \$2.*

Where can you look through a telescope at the stars? p. 218.

CHEMISTRY

What nation is the biggest chemical exporter? p. 216.

Why is it difficult to prepare the rare earths in the pure state? p. 212.

GENERAL SCIENCE

How can a scientific outlook be fostered in the public? p. 213.

MARINE ENGINEERING

How might a ship launching end in disaster? p. 214.

MEDICINE

How are pneumonia patients benefitted by decompressing the lungs? p. 217.

How can medical care be paid for? p. 223. *How to Budget Health—Evans Clark—Harper, 1933, \$4.*

Why is craft work not to be emphasized in treatment of the tuberculous? p. 222.

PALEONTOLOGY

What sort of treasure is being mined at You Bet? p. 211. *Plants of the Past—Frank H. Knowlton—Princeton Univ., 1927, \$3.50.*

PATHOLOGY

What is an "ultravirus"? p. 220.

PHYSICS

How are two radio beams made to cancel each other? p. 215.

What instrument measures inaudible sounds? p. 212.

What prevents the sunlight from killing plants and animals on the earth? p. 222.

PHYSIOLOGY

What is the shortest wavelength visible to human eyes? p. 216.

PSYCHOLOGY

Can medical treatment add to intelligence? p. 214.

Are the brains of idiots physiologically different from those of normal persons? p. 216.

What part of the brain determines the ability to hold in mind different aspects of a problem? p. 221. *Almost Human—Robert M. Yerkes—Century, 1925, \$3.*

SOCIOLOGY

What nativity-group has the lowest crime rate in this country? p. 211.

ZOOLOGY

What monkey lives in a land of snows? p. 216.

These curiosity arousing questions show at 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 for the article, but the references for further reading. Books cited can be supplied by Book Department, Science News Letter, at publishers' prices, postpaid in the United States.