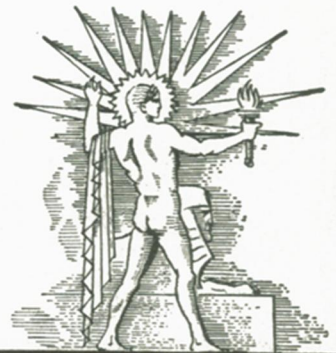
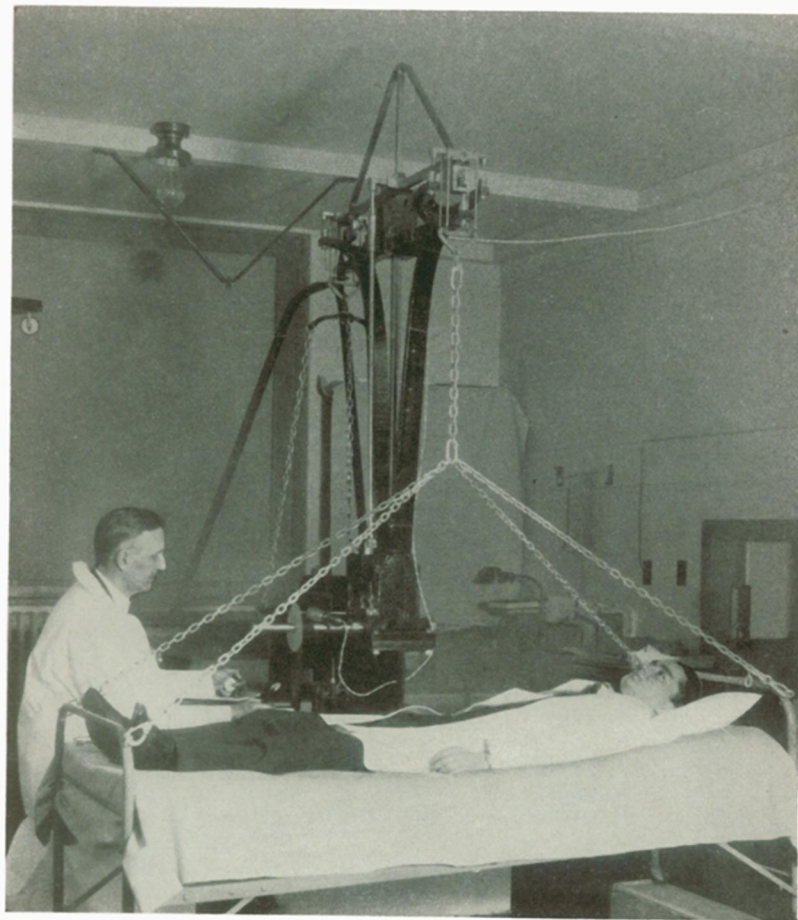


PRICE
15¢

SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



NOVEMBER 4, 1933

Personality by Weight

See Page 295

A

SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXIV

No. 656

The Weekly  Current
Summary of 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.

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. 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. Stidlo, Cleveland, Ohio.

Staff of Science Service

Director, 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.

Copyright, 1933, 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 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. 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 Japanese eat more fish per capita than people of any other country.

"Red water" which is sometimes observed in coastal regions is caused by microscopic organisms.

A diesel-powered barge is being operated for the first time in the grain trade on the St. Lawrence canals.

Almost twice as many cases of otosclerosis, or hereditary progressive deafness, occur in females as in males.

A safety first campaign has been started in the Civilian Conservation Camps to keep down accidents during winter weather.

A new metallic alloy called tellurium-lead is used in pipes and is said to have twice the resistance of ordinary lead pipe to bursting by frost.

Explorers in South Polar regions have found that human voices could sometimes be heard a mile and a half away, and dogs barking eight miles away.

In Puerto Rico it is customary to keep new-born babies indoors for the first 40 days.

A mushroom recently found in Muir Woods, California, measured $15\frac{3}{4}$ inches across the top, and had a stalk almost 12 inches high.

Influence of sea air on works of art, and precautions needed in transporting them overseas, were the subject of a recent international inquiry.

A canoe hollowed out of a tree trunk is a relic of old Irish navigation discovered in Ballinderry County by an expedition from Harvard University.

The thickness of the glass wall of a radio tube or electric light bulb can be measured without breaking the glass, by means of an optical thickness gage.

In one Florida county, 40,000 cans of food were put up this summer for families of the unemployed, under direction of the home demonstration agent.

WITH THE SCIENCES THIS WEEK

ANTHROPOLOGY

Why is the new *Homo kanamensis* so named? p. 294. *Man and the Vertebrates*—Alfred Sherwood Romer—Univ. of Chicago, 1933, \$3.

ARCHAEOLOGY

What is the "Cross of Palenque"? p. 300. *The History of the Maya*—Thomas Gann and J. Eric Thompson—Scribner's, 1931, \$2.50. Where can a miniature Roman house be bought today? p. 294.

ASTRONOMY

How many lenses has the Franklin Institute Planetarium? p. 291.

Why do the Leonid meteors appear to come from a point? p. 299. *Meteors*—Charles P. Olivier—Williams & Wilkins, 1925, \$6.

ASTRONOMY—CHEMISTRY

How did coronium come into existence? p. 293.

BACTERIOLOGY

What is the "spreading factor" of germs? p. 292.

BOTANY

Why may conifers be called giants? p. 302.

CHEMISTRY

What method of making synthetic fibers from cellulose is coming into greater use? p. 301.

ETHNOLOGY

What scientist is a friend of the headhunters? p. 291.

ICHTHYOLOGY

What fish are full-grown in spite of appearances? p. 297.

MEDICINE

How long do persons remain susceptible or resistant to colds? p. 297.

What is reductin? p. 296.

Who was the first industrial physician? p. 296.

ORNITHOLOGY

What is a duck doing when it stands on its head in the water? p. 297.

PHYSICS

What are the most energetic particles ever controlled by man? p. 291. *An Outline of Atomic Physics*—Physics Staff, Univ. of Pittsburgh—Wiley, 1933, \$3.50.

PHYSIOLOGY

How well do people become accustomed to smoking? p. 296.

What bedtime drink induces quiet sleep? p. 294.

PLANT PATHOLOGY

How can the further importation of Dutch elm disease be prevented? p. 297.

PSYCHOLOGY

Is there any relation between what a man eats and what is on his mind? p. 292.

SURGERY

What is the normal load on the heart? p. 296.

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 are references for further reading. Books cited can be supplied by Book Dept., Science News Letter, at publishers' prices, prepaid in the United States.