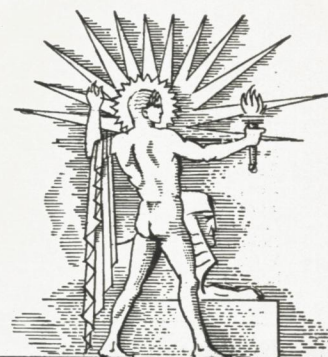
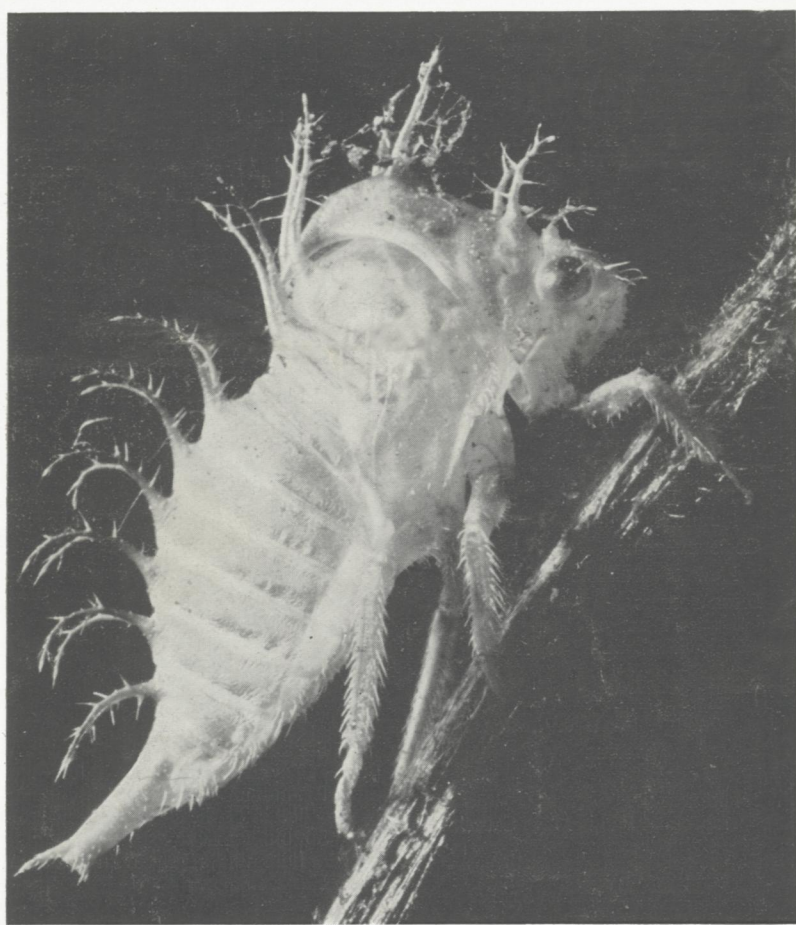


PRICE  
15¢

# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



JULY 4, 1931

Young Gargoyle Out For a Walk

See Page 8

A

SCIENCE SERVICE PUBLICATION

# SCIENCE NEWS LETTER

VOL. XX

No. 534

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. 15 cents a copy. Ten or more copies to same address, 5 cents a copy. Special reduced subscription rates are available to members of the American Association for the Advancement of Science.

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; 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, Permanent Secretary, 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, D. Lindsay Watson; Librarian, Minna Gill; Sales and Advertising Manager, Hallie Jenkins.

Copyright, 1931, 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.

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: Scienserv, 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. Patent Office.

## DO YOU KNOW THAT

Wall paper appears at least five shades darker on the wall than on display in the store, says a home economics specialist of the University of New Hampshire.

A plant which grows in New Mexico, and known as carnaigre, is found to be a rich source of tannin used in preparing leather.

Approximately 12,000,000 persons in the United States get their living directly from cotton and cotton products.

A number of plants yielding essential oils grow wild in Persia, including asafoetida, chamomile, cumin, coriander, and violet.

The serious drought of 1930 showed government agriculturists that certain strains of corn had far more resistance to heat and the lack of moisture than other strains.

The coolest place in a refrigerator is the space below the ice.

The Congo snake has two pairs of very short legs, each ending in two or three toes.

Fish cannot see details clearly, hence their sudden darts into rocky recesses or grasses when any moving form appears.

A scientist states that the Bermuda Islands, which now have a land area of about 20 square miles, one covered about 300 square miles.

Turkish tradition says that attar of roses was discovered by a Moslem princess.

Copper fish hooks used by fishermen on the River Euphrates thousands of years ago are in the possession of the Field Museum, and are said to be not very different from modern hooks.

## WITH THE SCIENCES THIS WEEK

<b>ARCHAEOLOGY</b>		<b>OCEANOGRAPHY</b>	
5,000-Year Old Modern Art	9	Atlantis Will Work Way Across Atlantic	14
New Type of Prehistoric Indians	5	No Ice and No Charts	5
Seven Times Rebuilt Pyramid	3	<b>ORNITHOLOGY</b>	
Shoe of Saxon Child	9	Like to Appear Brave	9
<b>ASTRONOMY</b>		American Eagles	15
Encke's Comet Observed	15	<b>PHOTOGRAPHY</b>	
1932 Total Eclipse	4	Colored Movie Film	12
Paradoxes of the Skies	6	<b>PHYSICS</b>	
<b>CONSERVATION</b>		Aurora In Glass Tube	14
New 10,000-Acre Redwood Forest	8	Cheaper Ultraviolet Glass	7
<b>ENGINEERING</b>		Model Demonstrates Atom	3
Power Plant on Jordan River	4	Reflected Heat Melts Platinum	8
Ship Limitation Proposed	13	Ultraviolet Here and in Antarctic	8
<b>ENTOMOLOGY</b>		X-rays Without the Tube	9
Magnifying Eye	8	<b>PHYSIOLOGY</b>	
7,000,000 Acres of Locusts	3	"The Gastric Juice"—A Classic of Science	10
<b>GENERAL SCIENCE</b>		<b>PSYCHOLOGY</b>	
Book Reviews	16	Toy Hammer Tests Talent	13
<b>MEDICINE</b>		<b>REFRIGERATION</b>	
Improper Food May Cause Near-sightedness	13	Ice in Baskets	11
<b>METALLURGY</b>		<b>SOCIAL SCIENCE</b>	
Magnetism Hardens Steel	14	Discoveries May Hurt Disarmament	15
<b>METEOROLOGY</b>		<b>VENTILATION</b>	
Atmosphere Hot Above	7	Homes Like Sahara	8
		<b>ZOOLOGY</b>	
		Fish Eggs Saved from Bears	9

Science Service presents over the radio, an address

### THE ROMANCE OF MEASUREMENT

By Henry D. Hubbard, Assistant to the Director, National Bureau of Standards, Washington, D. C.

Friday, July 10, at 2:45 P. M., Eastern Standard Time

Over Stations of

The Columbia Broadcasting System