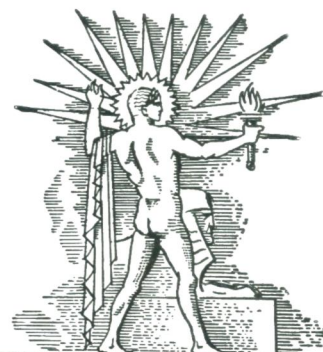
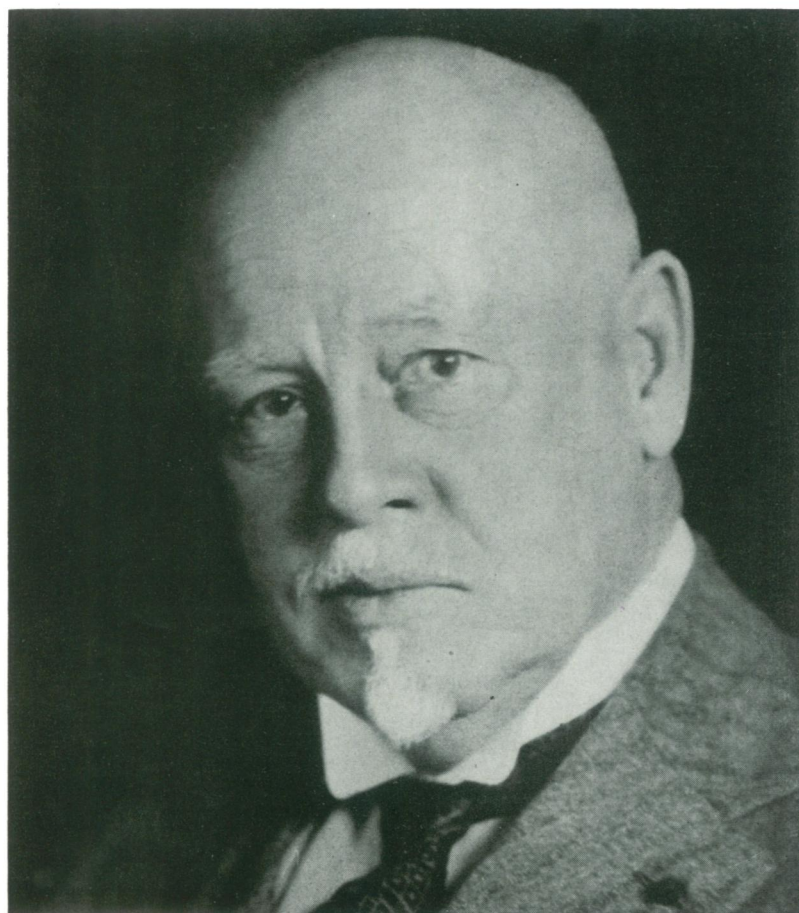


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



MAY 12, 1934

William Henry Welch (1850-1934)

See Page 293

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SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXV.

No. 683

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.

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.

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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. and Canadian Patent Offices.

DO YOU KNOW?

New South Wales is reviving cultivation of the passion vine for its fruit.

Milk sugar, used in making medicinal tablets, also goes into explosives.

In prehistoric times camphor was obtained from camphor trees by primitive methods.

Synagogues in ancient Palestine were set facing in the general direction of Jerusalem.

Hawaii has a species of goose that never goes near water except to drink, yet has web-feet like its ancestors and present-day relatives.

Night blindness—inability to see to a normal degree at night—may be a sign that an individual is getting too little vitamin A in the diet.

Besides the stalactites and stalagmites formed vertically in caves by the dripping of water, there are the less frequent helectites which are spirals.

There are more than 100,000 lepers in India.

Rubber was recommended for erasing pencil marks in a work written in 1770.

It is reported that Russia has over a thousand scientists working on problems of crop improvement.

High-yielding varieties of flax from India are being successfully grown in the Imperial Valley of California.

An all-metal office building was recently built in Richmond, Va., in which aluminum was the chief material.

California, which developed its orange industry on the navel orange, now has two million more Valencia orange trees than navel.

A Harvard scientist is taking anthropological measurements of 10,000 people in Ireland, to gain information on Irish racial types.

WITH THE SCIENCES THIS WEEK

ARCHAEOLOGY

What king covered Olynthos? p. 296.
What is the Chester-Beatty papyrus? p. 298.
What Civil War battle was fought among Indian mounds? p. 299.

ASTRONOMY

How was the presence of phosphorus on the sun demonstrated? p. 297.
What is the big spot on Jupiter? p. 300.
Other Worlds—Edwin Lincoln Moseley—Appleton-Century, 1933, \$2.

ASTROPHYSICS

Do sunspots have anything to do with magnetic storms? p. 298.

CHEMISTRY

Would vitamin D in lipsticks do any good? p. 296.
What is good to remove stains from the skin? p. 299.
How can triple-weight hydrogen be made? p. 302.

ENGINEERING

How can ships be freed of shaft vibration? p. 296.

ETHNOLOGY

For which hand did Indians make their stone tools? p. 297.

EVOLUTION

What were the Ictidosaurians? p. 300. *The World of Fossils—Carroll Lane Fenton—Appleton-Century*, 1933, \$2.

HISTORY

Who discovered the other side of America? p. 296.

MEDICINE

Who suffered most from parrot fever? p. 293.
How is smallpox vaccine made in a test tube? p. 296.

ORNITHOLOGY

Where does the pan-handler eagle live? p. 297.

PHYSICS

How much radium is there in rain? p. 292.
In which direction do electrons from thunderclouds go? p. 292.
How are 3,500,000-volt gamma rays produced? p. 298.

PHYSIOLOGY

What infantile gland has significance in adulthood? p. 291. *The Tides of Life—R. G. Hoskins—Norton*, 1933 \$3.50.

What new vitamins still await discovery? p. 292.

What has been learned from Indian mystics about breathing? p. 302.

PSYCHOLOGY

What is the intelligence quotient? p. 294.

PUBLIC HEALTH

What did Dr. Welch consider essential to success in public health work? p. 293.
Is there any danger in food cooked in aluminum pots? p. 297.

ZOOLOGY

How do American fashions affect Asiatic snakes? p. 297.
How long has man been a giant-killer? p. 299.

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 at Book Department, Science News Letter, at publishers' prices, postpaid in the United States.

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Each picture has a 93- to 254-word description in language free from technical terms. No scientific reference library necessary! Gives information in words quickly grasped, and yet does not insult the intelligence of the scientifically trained mind.

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Note: The above pictures are greatly reduced. Each picture in the book, *Sciencepictures*, is four times as large.

Here are the subjects in the book, SCIENCEPICTURES:

Industry's Seamstress	The Front Cover	Madame Python Accepts Family Cares.....	Page 51
By Earthquake to El Dorado.....	Page 5	Paschal Flower of the Prairies	53
To the Heart of a Flower by X-Ray.....	7	55-Ton "Top" to Make Ship Ride Smoothly.....	55
Eyes Reflect the Growing Mind.....	9	New Picture of Ancient Splendor.....	57
From the Breast of a Tiger Knight.....	11	Machine Arm of a New National Link.....	59
Teddy-Bear, Climb for Your Life.....	13	First Control of Hydro-Power	61
Like a Jewel From Fairyland.....	15	Smoke Whirlwinds in Organ Pipe.....	63
Famous Canyon Now National Monument.....	17	Domed Nursery of a Flying Jewel.....	65
Good Heavens, Young Lady !.....	19	Myriads of Sisters, But No Twin.....	67
Web-Fingered, to Swim the Air.....	21	Albino Twins Surprise Robin Parents.....	69
Where Ambition Ended	23	Showerbath of Sparks.....	71
"Ol' Man Ribber's" Treasure.....	25	She-Wolf Guards Her Young.....	73
Spiny Sculpin Uses Chinese Camouflage.....	27	Dneprostroy's First Spring Freshet.....	75
Two Precious Jewels in His Head.....	29	Strength of Steel Written in Sand.....	77
Not a Fairy's Furry Opera Cloak.....	31	Grotesque Parents; Grotesque Offspring.....	79
New Atom-Smashing Machine	33	In the Form of a Dove.....	81
Warning Spots or Targets?.....	35	Astronomical Observatory or Bloody Altar.....	83
Festooning the Evergreen Tree.....	37	By Hiding, the Sun Reveals Itself.....	85
115 Miles-per-Hour at a Standstill.....	39	It Will Be Over in Five Minutes.....	87
Young Gargoyle Out for a Walk.....	41	In a New Pose.....	89
World's Longest Suspension Span.....	43	Ho-Hum! Even the Cat Gets It.....	91
Wind-Blown Lightning	45	Bucketed Harnesser of Power.....	93
Died, Despite Skill of Ancient Surgeons.....	47	New Flame From Billions of Particles.....	The Back Cover
Source of Four-Mile-a-Minute Storm.....	49		

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