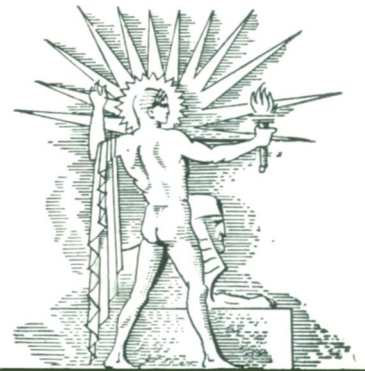
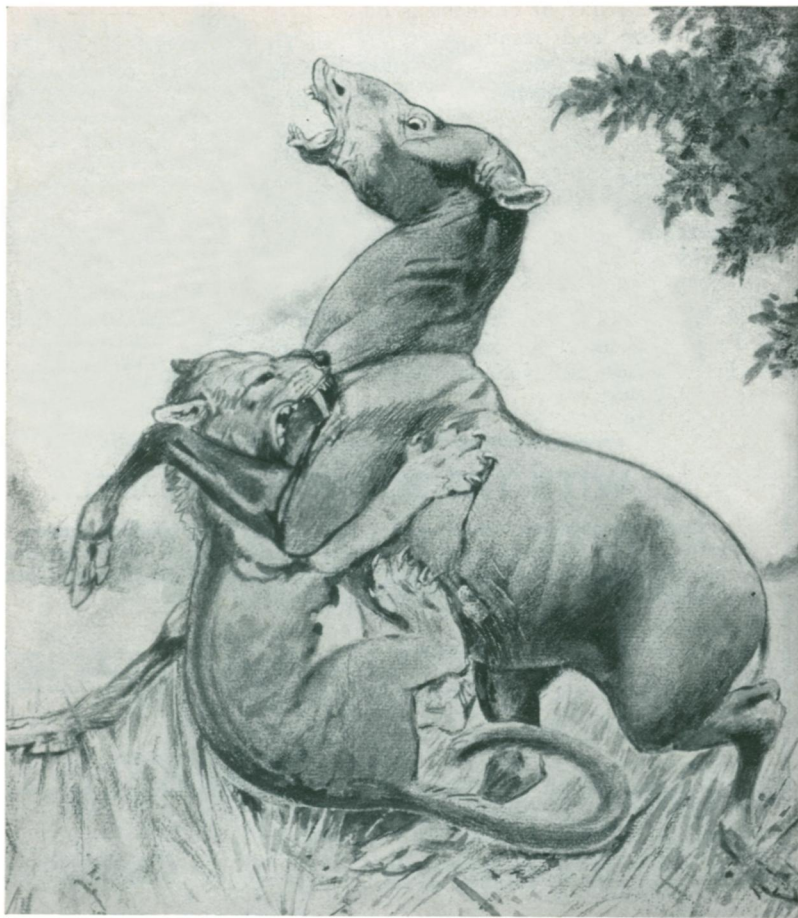


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



OCTOBER 15, 1932

The Saber-Tooth Strikes

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SCIENCE SERVICE PUBLICATION

SCIENCE NEWS LETTER

VOL. XXII

No. 601

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.

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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: 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.

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DO YOU KNOW THAT

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Japan has opened its first agricultural museum.

The steel industry has developed 1,600 kinds of alloy steel.

A French technical journal announces the manufacture of soap from locusts.

In poisoning their arrows, the Gauls are said to have used the poisonous roots of aconite.

A new product similar to celluloid and made of wood pulp has been developed in Norway.

The standard diet of chickens is deficient in iron and results in many anemic fowls, is the view of a poultry specialist at the University of California.

The Atlantic shore line of North America has moved back and forth, in the course of time, over an area 250 miles wide.

The beautiful, spectacular scenery of the Painted Desert has been added to the Petrified Forest National Monument in Arizona.

A new material resembling suede is being turned out in 24 colors.

Large deposits of copper have been discovered in Bashkir Republic in the Soviet Union.

By chemically treating the water used in locomotive boilers so as to prevent corrosion and rust, the saving to one railroad alone is \$1,000,000 a year.

The U. S. Department of Agriculture reports that 190 county-wide cooperative campaigns against rats are scheduled for this autumn in states east of the Mississippi.

The University of Hawaii holds one of its extension course schools on the rim of a volcano, so that the students can study the botany, geology, and volcanic phenomena.

A forestry professor at Cornell tells how to distinguish real mahogany: An examination of the wood through a simple hand lens or reading glass will show a very dark reddish-brown gum visible in the pores of true mahogany, and lines of soft tissue which are light colored and conspicuous.

WITH THE SCIENCES THIS WEEK

Curiosity arousing questions for the teacher and general reader. Book references in *italic type* are not sources of information of the articles, but are references for further reading. Books cited can be supplied by Librarian, Science Service, at publisher's price, prepaid in U. S.

BACTERIOLOGY

Can bacteria be made to lead triple lives? p. 251.

BOTANY

What is *Riella*? p. 240.

CHEMISTRY

What element has just been forced into its first chemical union? p. 241.

ENGINEERING

How may depreciation of engineering equipment be more accurately estimated? p. 249.

ENTOMOLOGY

How does the woolly bear caterpillar protect itself? p. 250.

ETHNOLOGY

What is the difference between a "raw" and a "cooked" person? p. 245.

GEOGRAPHY

Who was Piri Re'is? p. 239.

MEDICINE

What two infections comprise whooping cough? p. 250.

METALLURGY

What metal is ten times as costly as platinum? p. 240.

METEOROLOGY

How will anemometers be kept turning in the driving snows of Mt. Washington? p. 251. *World Weather*—Henry H. Clayton—New York, Macmillan, 1923, \$4.

PALEONTOLOGY

What were titanotheres? p. 243. *A History of Land Mammals in the Western Hemisphere*—William B. Scott—New York, Macmillan, 1924, \$6.50.

PHYSICS

Is there a positive electron? p. 249. *The Atom*—G. P. Thomson—New York, Holt, 1930, \$1.25.

What proposal may make subatomic physics more understandable? p. 244.

PSYCHIATRY

During what years was the recent increase in suicides most pronounced? p. 240.

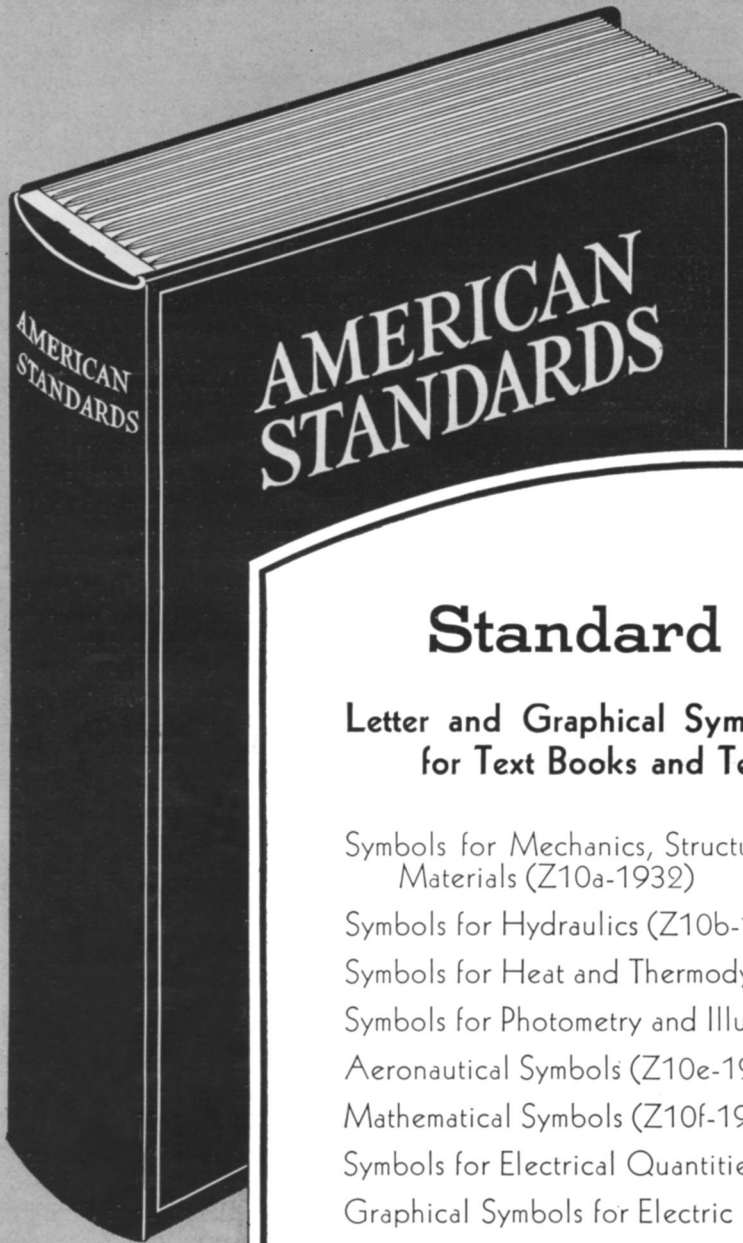
Why have admissions to Federal hospitals for mental diseases increased while there has been no increase in these diseases throughout the country? p. 244.

PUBLIC HEALTH

How large are the smallest dust grains that damage the lungs? p. 239.

What forms of cancer are most likely to be fatal? p. 240. *Cancer*—Albert Soiland—New York, Appleton, 1928, \$1.50.

Who is Dr. R. E. Dyer? p. 245.



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