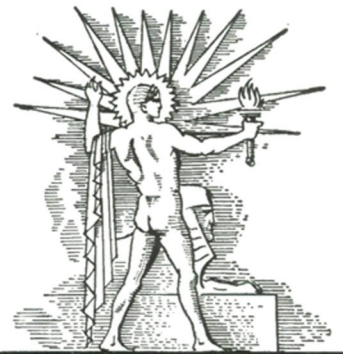
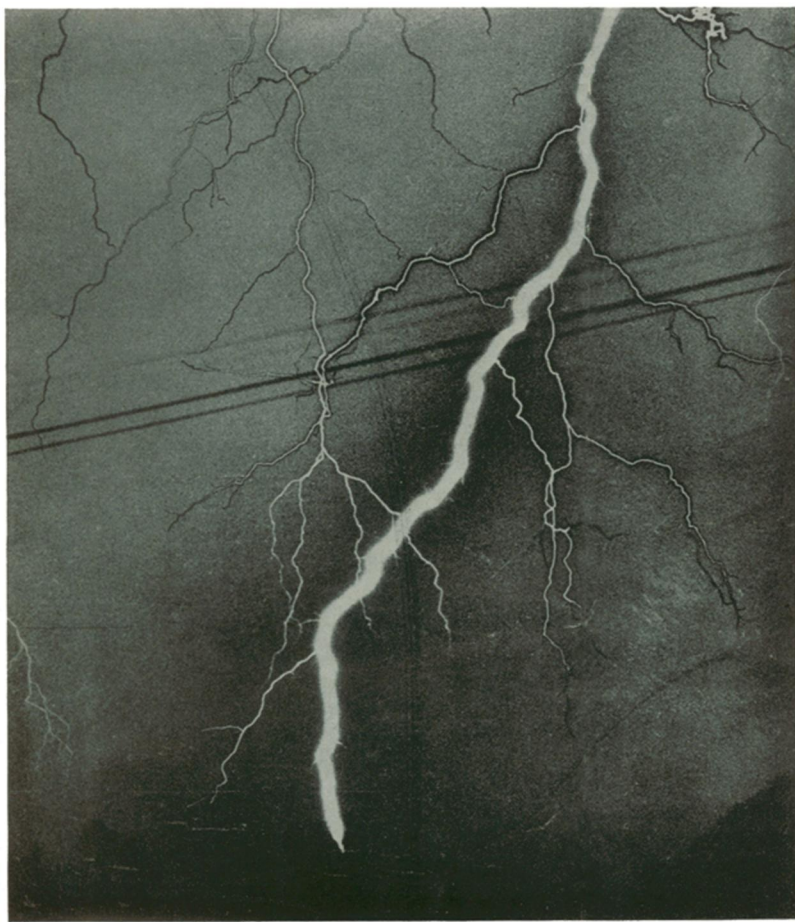


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE



JUNE 24, 1933

**Black Lightning**

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## DO YOU KNOW?

A Brooklyn bakery is using radio wave heat to bake crustless bread.

Hay fever is not caused by hay, and fever is not a symptom.

Wild sheep do not grow wool, but have straight, coarse hair like that of deer.

A 1,200-mile pipe line is being constructed across the Syrian desert, to carry oil from Iraq to Mediterranean ports.

The state having the greatest number of horses on farms is Iowa, where the horse census shows more than a million.

A new molded plastic material of superior toughness is expected to prove useful for golf club heads, fishing reels, and other articles that get hard use.

France's latest contribution to the "vest-pocket" automobile is a five horsepower, two-passenger cabriolet having a wheelbase of little more than six feet.

Chickens first became known outside their native homes in India when Persian roads made it convenient to carry Indian fowl to the Aegean countries.

A new machine can fill toothpaste tubes at the speed of 140 a minute.

Pure nickel, used in coins in 23 countries, is more difficult to counterfeit than copper-nickel.

A bacteriologist recently received a prize for work showing that bacterial causes of goiter do not exist.

The eyes of a giraffe are said to be larger and more gentle and lustrous than the famous eyes of the gazelle.

Goggles with transparent side pieces are being produced for industrial workers, with a view to eliminating the "blinder" feeling which bothers some workers.

It is estimated that 73 out of every 100 men who enter a store to buy a suit of clothes actually buy a suit; whereas women customers shop with less directness.

A map of the sky made by a Syrian astronomer of the twelfth century shows that the East knew that the earth was smaller than several other planets long before Europe had such advanced knowledge.

## WITH THE SCIENCES THIS WEEK

### ARCHAEOLOGY

Where and when did writing begin? p. 388.

### BACTERIOLOGY

How can their mother's milk become poisonous to young lambs after they drink it? p. 392.

### BIOCHEMISTRY

What changes ammonia to nitrate in sea water? p. 394.

### BOTANY

Where did the Osage orange get its name? p. 395.

### CHEMISTRY

How can an egg be soft boiled without heat? p. 395.

Name a new resin made in Germany? p. 388. *Artificial Resins*—J. Scheiber and K. Sändig—Pittman, 1931, \$9.

What is carboxide? p. 393.

### ELECTROCHEMISTRY

How is the salt-encrusted paint of old vases anchored back in place? p. 389.

### ENTOMOLOGY

What are ideal grasshopper hatching grounds? p. 392. *Destructive and Useful Insects*—C. L. Metcalf and W. P. Flint—McGraw-Hill 1928, \$7.50.

### ICHTHYOLOGY

How accurate are catfish in predicting earthquakes? p. 395.

### MEDICINE

Can fungi from firewood cause a skin disease? p. 389.

Can pemphigus be treated successfully? p. 387.

### METEOROLOGY

How long does a lightning flash last? p. 390. *Physics of the Air*—W. J. Humphreys—McGraw-Hill, 1929, \$6.

How would international weather data help forecasters? p. 387.

### PHYSIOLOGY

What determines rate of bone development? p. 393.

Why do women age more quickly than men? p. 387.

### POPULATION

Where has the native white birthrate become constant? p. 394. *The Builders of America*—E. Huntington and L. F. Whitney—Morrow, 1927, \$3.50.

### PUBLIC HEALTH

Upon what authority do physicians become specialists now? p. 394.

### SOCIOLOGY

Why are people marrying younger now? p. 388.

*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 of 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.*