

# WASTED ENERGY OF THE SUN

Only a Minute Fraction of Its Tremendous Heat Strikes the Earth and Becomes Useful.

A digression on the energy of the past sun may be permitted. All that the earth has caught, for all the millions of years that it has existed, is the merest fraction of what the sun has radiated in the same time, according to a lecture by Sir Oliver Lodge, reported in the Scientific American.

The earth to the sun is like a printer's full stop at a distance of ten feet from a halfpenny. Some of the radiation from a globe one inch in diameter falls on the spot one one-hundredth inch in diameter ten feet away, but that little speck only catches the hundred and fifty millionth part of the whole. What has become of the rest of the solar energy? It must still be careering through space. The ether is perfectly transparent and only when it encounters matter will the radiation be mopped up and turned into heat.

Not our sun only, but all the millions of other suns, have likewise been always pouring out radiation into space. Is there any hope of catching and utilizing it? I trow not. In spite of all this constant flood of energy space is cold; very near absolute zero. The reservoir is so enormous that all these taps, running for ages, have made no impression on it, have not raised the level a perceptible amount.

# HISTORY REVEALED BY NAMES

By Them It Is Possible to Ascertain What Races Have Inhabited Different Districts.

In the earliest days of the human family, all known persons, places and groups of human beings must have had names by which they were recognized.

The study of these names and their survival in civilization enables us often to ascertain what races inhabited districts now peopled by those of entirely different speech.

The names of mountains and rivers in many parts of England, for instance, are Celtic.

Ancient local names are, as a rule, purely descriptive. A river is called by some word which merely signifies "the water," a mountain may have a name which means "the peak," "the castle," "the point."

English place names generally state some simple fact, and often denote no more than property; the name of a town or hamlet being formed by adding "ton" or "ham" to the name of some early landholder.

Quite often a bit of even half-humorous description will survive in such a name, as when a stony, starved and woody district is called Starvacre.

# Parisian Mementoes of Napoleon.

The statue of Henri of Navarre on the Pont Neuf, the oldest bridge in Paris, is a memento of Napoleon, for it was cast from the bronze of the emperor's statue which was torn from the top of the Vendôme column in 1871.

Many of the names of the streets of Paris are mementoes of Napoleon. The name of the street of the Pont Neuf, the oldest bridge in Paris, is a memento of Napoleon, for it was cast from the bronze of the emperor's statue which was torn from the top of the Vendôme column in 1871.

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