

The Hermiston Herald

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Scientists May Claim

Improvement on Nature

If experiments at present in progress prove satisfactory, in time to come steam boilers will not be used to work big power plants—mercury or sulphur vapors will be employed instead.

The idea is that such vapors involve much higher temperatures than even superheated steam, and the higher the temperature, of course, the greater the power produced.

The hot vapors, after driving a turbine, will be condensed, yielding their heat to water, thus generating steam for use in its turn.

This century has been a wonderful one for the chemical industry.

Even new materials have been produced, writes Mr. Harrison E. Howe in "These Eventful Years." The demand for silk at a low price has brought about the production of artificial silk. The fiber looks like silk, and answers the purpose of silk; yet it is made from wood pulp or even cotton.

In the plant world science is improving on nature. On sugar cane plantations it has been found that a certain kind of paper, when spread over the rows, discourages weeds and thus minimizes hoeing.

The cane shoots can push through this specially prepared paper, which is tough enough to prevent quite effectively the growth of soft-topped weeds.

"Getting Into Scrape"

Has Various Meanings

The phrase "get into a scrape" can be traced back as far as 1700. Richard Steele used it in "The Tatler" and it is said to have originated from the notion of having been scraped in going through a narrow passageway, but this is pure conjecture. Scrape in dialectical English designates a trap and is much older, and to this day the word is used for a lure for birds in cold weather, says the Family Herald.

According to Lowesley's "Glossary of Berkshire Words and Phrases" scrapes are of two kinds: the first is an old door supported by a stick under which corn is placed, and the stick being pulled by a long string the door falls on the birds. The second is made by placing corn where snow has been swept away, and birds, when congregated, are shot in numbers, being enlured along the scrape.

Worldge in his dictionary, edited in 1681, describes a scrape as "a place baited with chaff or corn to entice birds." To get into a scrape is to get into an awkward, embarrassing or troublesome predicament.

Church's Modest Beginning

In about the year 1780 the first Methodist church in the United States was built in Kent county, Delaware. It was called Barratt's chapel and is as solid today as on the day it was opened for divine worship. The land it occupies was deeded for the purpose by Philip Barratt, in Murderkill Hundred. Here in 1774 Bishop Thomas Coke of the Methodist church met Bishop Francis Asbury, the latter the first man in America ordained by the Methodists to the Episcopal office. Out of the meeting grew a plan to carry Methodism all over the United States. The first native Methodist minister in America is said to have been Richard Owen of Maryland. One of the most famous of such ministers was "Father" Joshua Thomas, who for the better part of a half-century traveled up and down the Chesapeake in a big "bug-yye," as the long, narrow, and very staunch boats of a certain type are called, preaching to the islanders, most of whom were and are fishermen.

Traditions Long Kept

Baddesley Clinton is one of the beautiful ancient moated granges of England. It possesses a private chapel where, with one or two short periods of interruption, mass has been said ever since the days of the Reformation. But the Roman Catholic traditions of another country house, the chronicles of which have just been published, are even more remarkable than those of Baddesley Clinton. At East Hendred house, near Abingdon, there is a private chapel in the grounds which has stood there from the Thirteenth century. Here the Eyston family, who have a private entrance from the library of the house, have worshiped century after century; and it is accepted as a historical fact that the lamp before the altar has never ceased to burn for 600 years. No Protestant service has ever been held there; and it was left quite intact by Cromwell's soldiers when they visited East Hendred.—Family Herald.

Wife Adds to His Fame

Hepplewhite was one of the eminent furniture finishers and designers who flourished under the reign of the Georges in England, and whose furniture was in vogue about the time of the American Revolution. When he died in 1786 his wife carried on his work and produced other pieces and original designs that were very popular for several decades. Much of the Hepplewhite work was done in mahogany and in light woods.

Value of Antitoxins

Explained by Doctor

Toxins are the poisons of disease and produce the symptoms common to the disease after circulating through the blood.

Antitoxins are substances that work against or neutralize the toxins in any given cases, and they are produced by the use of the bacteria of the toxins. These are injected into an animal, usually a horse, in increasing doses, until it becomes habituated to them and is no longer made ill by them. The immunity or resistance resides in the blood, which has now developed a defense mechanism against the poison.

The animal's blood is then drawn off in small quantities, filtered and purified. This blood is in turn injected into the blood of a man, where it exerts the same protecting influence against the particular toxin by which it was produced as it did in the horse.

This is very briefly the nature and mode of operation of antitoxic serums. The use of an antitoxin in diphtheria has already saved countless lives and has changed the once dreaded and fatal disease to a rather simple complaint if diagnosed early and treated with antitoxin.

The discoveries of the Dicks and of Dochez promise to give the same relief from scarlet fever when methods, originated only in 1924, are perfected for this particular disease.—Dr. Walter B. James in the Outlook.

Marvels of Jelly-Fish

The jelly-fish has a truly wonderful way of reproducing its species. In most cases the beginning is an egg, which, lying on the bottom, produces a beautiful tree-like growth. The "tree" fastens itself to the bottom and brings forth buds which, when ripe, drop off and develop into jelly-fish. The latter in turn lay eggs and the process is repeated. Most of the very large species have a different way of reproducing themselves. The egg is set free in the water and develops into a pear-shaped larva, which for a while swims about rapidly, being provided with half-like appendages that serve the purpose of ears. Then the larva settles down, anchors itself to the bottom, increases in size rapidly, and finally splits up into thin, flat discs which swim off and grow up into large jelly-fishes.

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HERMISTON HERALD

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 HERMISTON BALL GROUNDS

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versus
HERMISTON
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April 26
 GAME CALLED 2:30

Boardman has a good team and this should be a good game.

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