

to be about 6,100,000,000,000,000,000,000 tons, it is calculated that a 10,000 horse-power engine would require 70,000 million years to move our globe a single foot; the water necessary for steam would cover the entire globe with a sea 300 feet deep. To vaporize this water would require 4,000,000,000,000,000 tons of coal, which, using ten-ton cars thirty feet long, would fill a train reaching 80,000,000 times around the earth. To store this fuel would require a shed a thousand times the area of Europe. Yet this vast amount of energy is trifling compared with that which rotates the earth on its axis, keeps it in its course around the sun, and moves it in space with the solar system, of which the earth is but an infinite part of the universe. Attempting thus to conceive of the energy of the universe, who shall speak with pompous pride of great world-powers among nations?

The quick spoiling of fresh meats is thought by a Danish zoologist, August Fjelstrup, to be mainly due to the decomposition of the blood. To ensure better keeping, he stuns the animal with a revolver shot, without injuring the brain, bleeds it by cutting down to the heart and opening a verticle, and then with a powerful syringe injects a briny solution through the other verticle into the veins of the body. This method of preserving beef, which is speedy and ineffective, was adopted in a Danish slaughter house several months ago.

In experiments with the compressed air pipes of Westphalian coal mines, Mr. H. Schab has found that the greatest distance to which the sound of the voice could be conveyed in a straight pipe was between 1,500 and 1,700 feet. For moderate distances a pipe of about twenty inches in diameter gave the best results, a slightly larger one being better for long distances.

Some naturalists are states to have recently inspected a blind eel that has lived in a fresh water well of Helpringham, Eng, since 1824, and has been periodically examined. It is eighteen inches long, has two large scales over its sightless eyes, a remarkable arch in its back, and moves always in a circle even when taken from the well.

DANGERS OF OCEAN BATHING.

[St. Louis Globe-Democrat.]

"Now comes the season for bathing and swimming and many persons will lose their lives at the seaside resorts simply because they do not follow the rules that ordinary common sense dictates," said Dr. Henry Dimmert of New York, who was at the Planters'.

"It may be well to mention a few familiar facts, that the dangers to which bathers often expose themselves may be avoided. One of the simplest of these facts is that, as in all bodily exercises, moderation is beneficial and excess is dangerous in swimming. Especially is this true if the bather suffers from organic or functional heart trouble. The man who uses tobacco to excess or who is weakened by long confinement at a sedentary occupation needs to take fully as much care as he who is the victim of chronic disease of the heart. No sensible man would attempt to run as far as his strength would permit, if at the limit of his endurance, he knew he must go through an equal amount of violent exercise to save his life. Yet foolish men and foolish boys daily try to see how far they can swim, put their lives in peril and alarm and worry the spectators on the shore by their exhausted efforts to return. The first dip is especially dangerous, and the expert who knows that he can make the second buoy because he did it last year,

would rest better content in his confidence and try some shorter and safer trip for his first dip of the season.

"The folly of bathers always causes much agitation among sensitive-minded people on the beaches of our seaside resorts. To see a human being struggling in full view in peril of his life while the spectator is helpless is sufficient shock to ruin the pleasure of a hard-earned holiday. Visitors to the board walks or the piers are daily entertained by these foolhardy exhibitions of bathers.

"Almost all the deaths among the bathers by drowning result either from heart failure or cramp, and not from failure of skill or muscular forces. A skillful swimmer can rest quite easily, 'rocked in the cradle of the deep,' provided his heart and nervous strength are not already exhausted by violent muscular exertion. If, however, the circulation is impeded or the nervous strength exhausted, cerebral congestion, heart failure or nervous spasm is liable to seize even the expert and render him as powerless as a baby in the mighty arms of the ocean's waves. The nervous strength is exhausted almost as much by exposure to cold as by muscular exercise. To remain in the water until one is chilled through—blue, trembling and chattering—is to invite cramp. It is a signal that the blood from the surface has retreated to the central citadels, and that the blood strain on these is at the danger mark. Such exercise is not a benefit to the health, but a distinct harm. A sand bath for all who suffer thus is far more strengthening. One should never bathe just after eating—that is an old rule supposed to be known in every well-regulated household, but hundreds seem to forget it at the seashore. The advice to all is moderation in swimming at the seaside resorts."

WESTERN NEWS ITEMS.

Only twelve of the horses left at the Presidio by officers gone to Manila have been accepted by the government.

Two carloads of submarine defenses for the United States arrived at Seattle today (Friday).

Charles Golding's home at Pocatello, Ida., was partially destroyed by fire Friday afternoon, the loss being about \$200.

The city council of Grand Junction, Colo., has voted adversely on the proposition to purchase the local water-works for \$55,000.

Omaha Stockman, July 28: E. Jones and J. O. Duke were here from Park City, Utah, with two double-deck cars of sheep each.

It is reported that Lady Yarde-Buller, recently the inmate of a Paris insane asylum, has been released and is now on her way to California.

Senator C. D. Clark was royally received at Evanston, Wyo., Thursday night on his return home from Washington. It was a regular Fourth of July celebration.

It is reported as probable that Brig. Gen. King will command the next expedition to the Philippines. The Seventh California will likely go on the Arizona.

W. D. Bissell says that the contract for the proposed steamship line between San Francisco and Japan has been signed and the steamers will begin their trip about December 1.

It is now said that the boy killed at Rock Springs, Wyo., some time ago, was not Mansfield Smythe, who escaped from the industrial school at Ogden, but Edwin F. Rubel of Salinas, Cal.

The Torrey regiment now at Jacksonville, Fla., will be joined in a few days

by Lieut. Gracey and twenty-seven men, who have been at Fort Russell, Wyo., on special detail. They will take along 328 horses.

A party of French scientists, headed by Dr. Terwagne, left Vancouver Friday for Skaguay with a balloon, in which they will attempt to reach Dawson City and incidentally look out for Andree.

The removal of the Fifty-first Iowa regiment to the Presidio greatly pleased the officers and men, all of whom hope, however, that the change does not mean that they are not to be sent to the seat of war.

In the case of Jack Davis, alias Diamondfield Jack, now under sentence in Cassia county, Ida., to hang for the murder of Shepherders Cummings and Wilson, the state supreme court has denied the petition for a rehearing.

Mother Mary Baptist Russell, a prominent member of the Religious Order of the Sister of Our Lady of Mercy, and sister of the lord chief justice of England, is dying at St. Mary's hospital, San Francisco, of which she is the superior.

Edmund Salmon, recently a dry goods clerk in Salt Lake, is now in Butte, Mont., in a demented condition. He was found wandering aimlessly about in that city, and imagines that voices pursue him. He says he is under the hypnotic influence of a woman.

The Soldiers' Aid society of Colorado decided Thursday to send Dr. Rose Kidd Beere to the Philippines as a special Red Cross nurse for the Colorado soldiers. Dr. Beere was formerly superintendent of the state home for dependent children.

The Merchants' association of San Francisco, at a special meeting Thursday, adopted a resolution petitioning the President to hold and retain the Philippine islands. Similar action will probably be taken within the next day or two by the chamber of commerce and other local business organizations.

An increase in the assessment of railways in Montana has been decided upon by the state board of equalization. Those affected are the Northern Pacific, Great Northern and Montana Central roads. At present the assessment is \$13,674,052, and it is proposed to raise it several thousand dollars. The companies are kicking.

An operation for stomach trouble caused the death Thursday at Chicago of Hon. C. P. Organ of Cheyenne, Wyo. Mr. Organ was a prominent Democrat and served terms in the Wyoming legislature as well as being receiver of the Cheyenne land office. He was 58 years of age and leaves a wife and child.

The Third battalion of the South Dakota volunteers, the Thirteenth Minnesota recruits and 155 of the First Colorado recruits broke camp Thursday and marched on board the transport steamer St. Paul, which pulled out into the stream late in the afternoon. The vessel will sail some time today (Friday).

The steamer Portland arrived at San Francisco Thursday evening from St. Michael, bringing seven returning Klondikers and about \$250,000 in gold dust and bullion. Three Dawson mine-owners, Edward Lewis, George Davis and C. McCabe, brought out about \$200,000, principally in bullion, representing their joint labors in Dawson during the past season.

Harry Schweppe, a young man from St. Louis, who was on his way to Alaska, was drowned at Seattle Thursday night by the capsizing of a small boat. Two of his companions who were on a trestle 30 feet above the water, saw him sink, but were powerless to rescue him. Schweppe originally came from Germany and previous to