MORE ABOUT PICKETT'S CAVE. BY H. C. HOVEY.

In reply to inquiries concerning the new cave found in Williams' Cañon, Colorado, the following particulars are given:

"The Boys' Exploring Association," to whose diligence this discovery is due, is an organization of young mountaineers living in the vicinity of Pike's Peak, whose laudable purpose it is to combine the enjoyment of camping out with the study of botany, geology, and mineralogy, amid the hills and valleys of that remarkable region. In this they have been encouraged by Rev. R. T. Cross and President Tenney, of Colorado College, who have accompanied them on some of their excursions.

One of their earliest fields of exploration was Williams' Cañon, into whose crannies and crevices the boys penetrated under the direction of their leader; and two brothers, John and George Pickett, climbing up a path no one had ever tried before, crept into an opening only four feet high and ten feet long, which proved to be the antechamber of a cavern of huge dimensions.

Fortunately the boys had candles and matches along, and proceeded at once to explore room after room, each decorated by beautiful stalactitic folds and pendants. The largest then entered was about 60 feet high, irregular in shape, and described as resembling the bed of some river that had suddenly frozen while leaping down successive cascades. In a room to the right of this the boys were dismayed to find themselves on the brink of a pit, 50 feet deep, into which they were not prepared to descend.

Retracing their steps, they found a narrow passage leading up to the chimney-like opening described in my last; and here ended their first underground tour, whence, with great difficulty, they made their way back to the bottom of the canon.

The report they gave of course stimulated further exploration, with results already described, most of which are similar to those with which visitors to other caverns are to plant the first Howgate Arctic colony came to naught done physically." familiar.

The presence of extensive beds of ocher indicates that the subterranean streamflowed from the granite mountains above, amiable frame of mind during his brief Arctic experience, bringing the decomposed materials of the feldspathic rocks and traces of his displeasure appear in the irony of his official in the form of these ferruginous clays, which are so hard and compact as to take a fine polish.

Other evidences of former streams are furnished in the those explorers who did not fail so conspicuously. beds of rounded pebbles, often coated by stalagmitic deposits. It is an interesting fact that similar smooth pebbles the first acknowledged failure in Arctic annals. We did are found in the open gorges or "caves," as they are incorbut little, but left a great many things undone requiring rectly called, cutting through the walls at a height sometimes of 200 feet from the bottom.

made when the ocean washed the foot of Pike's Peak; but the general reader. We do not dispute any one's attained that is hardly probable, in view of the fact that the geological formation is Silurian limestone, through which, as in the case of Mammoth and other caverns, the acidulated rain promontories to tag them with the surnames of plethoric water could have eaten its way since the elevation of the merchants and wildly enthusiastic females who had given region above the sea level. The swirling of a subterranean us plug tobacco and button-hole bouquets. We did not even stream could round the fragments of granite into pebbles as readily as the wash of the waves.

In some instances we know that what now are open cañons by the famous natural bridge of Virginia, the arch being inscription: 'Sacred to the memory of the heroicmerely the remnant of an ancient cave roof; and the combination of a cave, chasm, and natural bridge, on Hudson's and what use there is in erecting one at all, are questions. Brook, Mass., as pictured in "Hitchcock's Report," vol. i., page 288, is even a better example of the same thing.

caves; but the subject is worthy of more careful investiga- nor the location of ancient Troy, nor the Garden of Eden. tion, and we commend the problem to the consideration of the "Boys' Exploring Association."

is the occurrence of oulopholites, or curled crystals of gypsum, often mimicking floral forms: likewise acicular crystals, probably of Epsom salts; both of which abound in localities at home. We did not even see what others have Wyandot and Mammoth caves.

No inhabitants have yet been observed except bats and ginal occupancy, that I am inclined to think it may prove so

STANDARD TIME IN THE UNITED STATES,

The American Metrological Society have issued a circular in relation to the introduction of uniform standard time into daily use for both popular and scientific matters; a question which, through the extension of rapid electric and ard meridian. railway communication, has become of considerable practical importance.

The society find at least a hundred local times or meridians in ordinary use, many of them differing but a few minutes from each other. More than seventy such standards are used by railway and other companies in the United States and Canada, making no little unnecessary confusion and would be about as in the following:

complexity in their time tables. It is, accordingly, proposed that the community unite upon a division of the continent into a few (time) sections, throughout each of which the time by the clock shall be kept in agreement with the stand-

In anticipation of the ultimate adoption of a system of standard times throughout the world, the society recommends for the United States the adoption of a central meridian in the Mississippi valley exactly 90° or six hours west of Greenwich, and proceed to east and west by steps of exactly one hour each. On this plan the sectional times

PROPOSED SCHEDULE OF STANDARD TIMES.

Geographical Section ,	Standard Meridian west of Greenwich	Standard Times slower than Greenwich.	Standard time slower or faster than wrve "local times."	Designation of proposed Standard Time.
Newfound land	60°	H. M. S. 4 0 0	Min. 29 slower than St. John's. N. F 24 faster than St. John, N. B. 14 faster than Halifax, N. S. 15 slower than Quebec	Eastern Time.
Maine ; to ; Plorida,) Dhio ; to ; Alabama, ; Lower Lakes	75°	500 -	18 faster than Toronto	Atlantic Time.
dississippi Valley dissouri Valley Jpper Lakes Pexas	90°	600	0 faster than New Orleans. 1 faster than St. Louis 12 faster than St. Paul 18 faster than Kansas City 19 faster than Galveston 10 slower than Okicago.	Valley Time-
locky Mountain Region	105°	700	0 faster than Denver	Mountain Time.
Pacific States	120°	800	28 Jaster than Salt Lake City	Pacific Time.

What the Gulnare Expedition Failed to Do.

It will be remembered that the expedition in the Gulnare through the unfitness of the vessel for any sort of sea-going service. The disappointed commander was naturally in no report, a summary of which has got into unofficial print. Probably no one will enjoy his little scold any more than

"The cruise of the Gulnare," says Lieutenant Doane, "is some moral courage to refrain from doing. We did not change the names of all the localities visited, as is custom-The opinion is advanced that these caves and cañons were ary, nor give them new latitudes, to the bewilderment of distance, nor declare it impossible that he should have been where he was. We did not hunt up nameless islands and erect cenotaphs. A cenotaph is a monument erected to one who is buried elsewhere or not buried at all. The artistic style for such a structure is a pile of rocks, on the flattest of were once caves; a striking example of which is furnished which is daubed in letters of tar the following stereotyped Why a cenotaph should be erected where no one will see it, We received no flags, converted no natives, killed no one. We discovered no new evidences regarding the Mosaic ac-We cannot draw the conclusion that all cañons were once count of the Creation, nor the Deluge, nor the unity of races, We found nothing in Greenland to put our naturalists to the blush by comparison, nothing superior to railroads and Among mineralogical peculiarities noted in Pickett's cave modern civilization. We did not see anything half so grand, half so sublime, nor half so beautiful there as can be seen in the Yellowstone National Park and a dozen other seen in the same regions.

"The primary geographical iceberg, which in perspective rats. And it is the opinion of the discoverers that no human towers above first-class ships in the foreground, and has a beings ever penetrated to these subterranean rooms before. contemplative bear gazing seaward from the loftiest pin-But it is so uniformly true, in respect to other caves, that nacle, oblivious of the herd of fat seals on its beach, is not careful examination has brought to light vestiges of abori produced any more. Neither is the iceberg of shop windows. The present ones are not so high by several hundred feet, and instead of being in a freezing condition were rapidly thawing whenever afloat. Polar bears do not put their paws on men's shoulders and smilingly offer their rapid in Pickett's cave. And the subject of stalactitic dis-stomachs to be ripped open in the Norwegian regions, as formerly. The rocks and bluffs of the Arctic are not at all causes, demands some attention for the sake of comparison clouded with water fowl, as pictured, nor is it dangerous to run a whaleboat lest it should ground on a sleeping whale, be pierced through by the horn of a narwahl, or captured by an angry herd of walrus. Arctic scenery is grand, but At the meeting of the New York Academy of Sciences, with little variety. The glacial phenomena alone in sumin every direction to the depth of from two to three inches, to call attention to the fact that solar observations could be the entrance with a closely cemented deposit. In their fly- posed wintering at the pole. The proposition would probaing state the ephemera (commonly called May flies or day bly not be carried into effect if outlined. The object of this flies) live but a few hours. The larvæ live in water for a report is to expose a few of the specious pleas, fallacious year or more, and, according to Dr. Trimble, secrete an acid reasonings, and ill-grounded conjectures which are called which enables them to bore into limstone, passing through scientific, and to place the subject of circumpolar exploration on a basis of facts and reasonable probabilities. One of rain water,

cannot explore the earth's surface from an observatory, nor by mathematics, nor by the power of logic. It must be

Another Florida Project.

Mention was made not long since of a plan to drain Lake Okeechobee and the adjoining Everglades of Florida, the aim being to reclaim some 12,000,000 acres of land suitable for the cultivation of sugar, cotton, and tropical fruits.

A charter has been granted by the State of Florida to another company-composed, however, of the same Philadelphia capitalists-having for its purpose the construction of a ship canal across the State by way of the Caloosahatchie River (the outlet of Lake Okeechobee), the lake, and eastward across the low country to the Atlantic, ending at or near the mouth of the St. Lucie River. The capital stock of the ship canal company is \$30,000,000. It is said that operations will begin at once, surveyors having already been sent into the field.

A proper ship canal across the Florida peninsula is something to be desired; and, if the canal required for the Everglades drainage scheme can be utilized for commerce, its double usefulness might atone in part for its otherwise unfavorable position.

The Great Corliss Engine.

The great Corliss engine of the Centennial Exhibition seems to have the power of multiplying itself as remarkably as the bones of mediæval saints, or the furniture of the Mayflower. A little while ago, according to local reports, it was doing duty in San Francisco, and also in several other places this side the Rocky Mountains. Its latest appearance is in the new town of Pullman, near Chicago, where it gave impressiveness to the ceremony of inaugurating the Pullman Palace Car Works, just started there.

A Valuable Patent Right.

It is announced that the right to use in this country the basic process for dephosphorizing iron has been purchased by the Bessemer Steel Association. The Philadelphia Bulletin says that the figures involved in this important transaction (by which all of the patents covering the basic process, comprising those issued in the names of Messrs. Thomas, Riley and Snelus, become the property of the Bessemer Association) are placed all the way from \$275,000 to \$400,000, but parties who have facilities for knowing something of the matter say that the lesser figure is the correct one

here.

Experiments should also be instituted forthwith to determine the rate of stalactitic growth, which is apparently very tortion by currents of air, fungoidal growths, and other with similar inquiries made in other localities.

.... Rock-boring Ephemera.

April 11, Dr. Trimble, of New Jersey, exhibited specimens mer-time are magnificent; in winter the auroras are added. of marine shells and marble which were deeply perforated At the pole during the summer there is, of course, constant by larva of certain ephemera. The marble had been bored daylight; yet nobody seems to have thought it worth while and thus honey-combed with slender passages plugged at taken astronomically during that season. No one has protheir first transformation in the closed burrows.

Instantaneous Silvering Mixture.

To coat copper or brass objects with silver, without difficulty or loss of time, the following process is given in the Gewerb.-Bl. f. Ost-u. Westpreussen: Mix 3 parts of chloride of silver with 20 parts of powdered cream of tartar and 15 parts of powdered common salt. Moisten a suitable quantity of the mixture with water, and rub it with a piece of blotting paper upon the metallic object, which must be thoroughly clean. The latter is afterward rubbed with a piece of cotton upon which precipitated chalk is dusted, then washed with water, and polished with a dry cloth.

Nitrate of Silver for Worms.

Dr. M. P. Greensword (Medical Summary) was accidentally led to regard nitrate of silver as a remedy for worms. Further use of this drug has convinced him that it is one of the most potent agents we have for the destruction and expulsion of worms. He gives a teaspoonful three times a day, of a solution of five grains of nitrate silver in six ounces