of Lake Huron with those of Southern Europenor of Lake Superior with those of Northern Europe. IProf. Agassiz proceeded to define these differences between them at length. In Lake Haron there are many of the perch family-none m Lake Superior, and so on. It is well known from geological data, that North America is the oldest continental land upon earth. The general nucient character of this country is deeply impressed upon the mind of the active geologist, and he [Prof. A.] could not help feeling it when exploring the Northern shore of Lake Superior. it not remarkable that animals now exist which are old fashioned in their external zoological character-and that they should be of the same type with animals long since considered extinct? It is in North America where the Garpikes live, and the garpike is the only representative of the periods when that lish only lived.

Among these fishes there are two types-one with smooth and the other with serrated scales, [Prof. A. explained by blackboard diagrams.]-the serrated scales have usually two dorsal fins. He had found in Lake Superior a new fish! with spines upon the aperaular bones, and all the scales nan and serrated, and, what has never been before observed in hard scaled fishes, it has, like the Salmon an adipose or fatty fin,

Here, then upon Lake Superior, we have these old fashioned fishes upon this old soil. He considered it important to trace our living animals in their relation to the Fossils, as also their geographwal distribution. This country was undoubtedly the first dry land, and the animals preserved seemed to remind us of the golden ages

Mr Redfield asked if the White Fish of the

Lakes was not common.

Prof. Agassiz replied it is. He mentioned that he had collected 33 Fishes on Lake Superior, and exhibited drawings of several. About a dozen of them are entirely new varieties.

THE MISSISSIPPI VALLEY.

At the sitting of the Scientific Convention, in Philadelphia, Prof. Dickenson, in behalf of a Cominities appointed to investigate the subject, made an intere ting report on the sediments of the Mississippi River. The North American rays:

The observation upon which the paper was based had been made through the course of eighteen years, but continued, particularly through the last two years with a view to this report. The report alluded to the vast quantity of rain water constantly falling in the valley of the Mississippi, and the fact that that great river was the only entlet for it. By data the report showed that the quantity of rain fallen was 11 3-8 times the quantity discharged by the tiver .- There are but two ways for this water to e-cape, one by the course of the tiver, and the other by evaporation the report arrived at a fact of the nimost importance to the planting interests of Louisiana and Mississippi, for the more exhalations are acmoted the less liable will the low or bottom lands of these two States be to the periodical numbrations by the river. The best method of promoting this was by clearing the forest land, and thus expessing the earth to the action of the sun.

The page esset population and civilization is those regions has already made so vart a change in the amount of evaporation that there is not now by twenty or twenty-five per cent as much water passes down the river as there was twenty-five years ago; for at that time there were annual inundations which do not occur now. Thus lands are rendered more valuable, and the dense fogwhich once covered the river and obstructed navigation are now unfrequent.-The second section of the report, which treated of the sediment of the river, was very scientific, full of data and computations. On motion of Prof. Johnson, the thanks of the Association were tendered to the committee. In regard to the sediment of the river the

with the river water were made. The aggregate thems, (1128 feet.) Near the shore, the bottom of the water charged in this tube at different tance. was a colomin of 1936 feet, by weigh there was deposited a column of ed ment or solal marter of 46 1-2 inches. This sediment was submitted in . three glass tubes. The Committee seemed to think it in glit still feether scitle or shrink, certa nly The Committee seemed to not to less than 44 inches.

From these data, the Committee arrive at the conclusion that the proportion of sediment to the volume of water is as I to 528. It has already been a certained that the quantity of water annuany discharged by the Mississippi river is 14,533 .-360,636 \$50 cable feet, therefore there must be deposited 28.188,053,892 1-2 cubic feet of solid matter.

THE DEAD SEA.

The Table is yet destined to receive illustration from all the tracks of research in which men engage. And we doubt not that some new illustrations of the history of the overthrow of the Cities of the plant will be derived from the exploring expedition recently sent to the Dead Sea, by the Government of the United States. The following account of the expedition is taken from an American paper :--

" The store ship Supply took out Lieut, Lynch, and two metallic boats as transports. These bons were carried over mountain gorges and precauses by the party appointed for the expedition. and or the 8th of April, 1848, they were launched upon the Sec of Galilee. The Richmond Repubhean has condensed the ancresting article of Lieut. Maury a cloffows:--

" The navigation of the Jordan was found to be most difficult and dangerous from its frequent and fearful rapids. Lieut. Lynch solves the secret of the depression between Lake Tiberius and the Dead Sea, by the termons course of the Jordan, which in a distance of sixty miles, wands through a course of two hundred unies. Within this distance Lient, Lynch and his party plunged down no less than twenty--even threatening rapids, heside many others of less descent. The difference of the level between the two seas is over a thousand feet

"The water of the Jordan was exect to within a few hundred yards of vs month. The waters of the sea were decord of smell, but bitter, ealt, and nauscons. Upon entering it, the beats were encountered by a gale, and . it seemed as if the bows, so dense was water, were encountering the sledge hammers of the Titans, instead of the opposing waves of an angry sca."

" The party propertied daily with their explorations, miking topographical sketches as they went, until they reached the Southern extremity of the sea, where the most wonderful sight that they had yet seen awaited them.

" In passing the mount of Uzdoin, (Sodom.) we unexpected y, and ranch to our astoni-liment." says Lieut, Lynch, 'saw a large, rounded, turret-shaped column, facing S. D., which proved to be of solid rock salt, capped with ca borate of lime; one mass of crystalization. Mr. Dale took a sketch of it, and Mr. Anderson and I landed with much difficulty and procured specimens from it.'

"The party circumnavigated the lake, returned to their place of departure, and brought back their hoats in as complete order as they received them at New York. They were all in time health.-Thanks to the good management of L. Lyach, the whole cost of this scientific exploration of the Dead Sea was but \$700. From the letters of Lieut, Lynch, quoted by Maury, we translate the following interesting facts elicited by exploration :

"The bottom of the northern half of this sea is almost an entire plain. Its meridical lines at a short distance from the shore scarcely vary in

is generally an incrustation of salt, but the intermediate one is soft mud, with many rectangular chrystals-mostly cubes-of pure salt. At one time Stellwager's lead brought up nothing but chrystals.

"The southern half of the sea is as shallow an the northern one is deep, and for about one-fourth of its entire length the denth does not exceed three fathous (18 feet.) Its southern bed has presented no chrystals, but the shores are lined with increstations of salt, and when we landed at Uzdom, in the space of an hour, our foot-prints were coated with chrystalization. The opposite shores of the peninsula and the west coast, present evident marks of disruption. There are unquestionably birds and insects upon the shores, and ducks are sometimes upon the sea, for we have seen them-but cannot detect any living thing within it, although the salt streams flowing into it contain fish. I feel sure that the results of this survey will fully sustain the Scriptural account of the cities of the plain.

He thus speaks of the Jordan :- The Jordan. although rapid and impetuous, is graceful in its windings, and fringed with luxuriance, while its waters are sweet, clear, cool, and refreshing."

"After the survey of the sea, the party pro-ceeded to determine the height of the mountains on its shores, and to run a level thence via Jerusalem to the Mediterranean. They found to the summit of the West bank of the Dead Sea more than one thousand feet above its surface, and very nearly on a level with the Mediterranean.

" It is a curious fact,' says Lieut. Maury, ' that the distance from the top to the bottom of the Dead Sea, measures the height of its banks, the elevation of the Mediterianean, and the difference of level between the bottom of the two seas, and that the depth of the Dead Sea is also an exact multiple of the height of Jerusalem above it.'

" Another no less singular fact, in the opinion of Lieut, Lynch, ' is that the hottom of the Dead Sea forms two submerged plains, an elevated and a depressed one. The first, its southern part, of mud covered by a shallow bay; the last, its northern and largest portion, of mud and incrustations and rectangular chrystals of salt :- at a great depth with a narrow ravine running through it, corresponding with the bed of the river Jordan at one extremity, and the Wady 'el Jesh,' or wady within a wady at the other.'

" The slimy ooze, says Lient, Maury, upon that plain at the bottom of the Dead Sea, will not fail to remind the sacred historian of the slime pits' in the vale, where were joined in battle four kings with five.

Power or the Evangemean Press .- The American Tract Society has nine steam presses continually in operation, throwing off an average of about 2400 volumes per day, and including tracts, more than 27,600 distinct publications every twenty-four hours. It distributes monthly 130,000 copies of the same work in German. The "Illustrated Christain Almanack" for 1849 is ready for circulation, and of this annual 150,000 copies will be printed. Since the first of April, the Society has granted for gratuitous distribution over 9,000,000 pages of evangeheat reading. During the month of August, 33 new cohorteurs were commissioned and 15 commissions were renewed.

A LAKE OF BLOOD -Dr. Dick estimates the number of those who have perished directly or indirectly by war, at 14,000,000,000. Elibu Burrit, the learned Blacksmah, has taken the estimates of Dr. Dæk, and estimating the average quantity of blood in a common sized person, states that the blood in the veins of those fourteen thousand millions would till a circular lake of more than seventeen indes in eigeninference, and ten feet deep, in secult of 181 experiments with a tin tub charged depth. The deepest soundings thus far, 189 fas, which all the navies of the world might float