Miscellaneous.

THE GLACIERS OF SWITZER-LAND.

Professor A. Guyot prefaced the lecture with a brief allusion to the circumstance of his recent visit, in company with other tourists, to the mountains of Switzerland, After dwelling for a few minutes upon the floral beauties of the region, he passed on to notice his subject proper, "The Glaciers of Switzerland."

A glacier, he said, is a field or immense mass of ice, filling a grand valthey appear to be great frozen streams, and such, indeed, they are. If we follow them upward, we shall find that they meet the great snow line that everlastingly keeps its place upon the tops of the cloud-bathed Alps. Go below them upon the mountain side, and you will find at your feet, in many places, great fragments of transparent ice that have fallen off from the glaciers above; and woe to the traveler who incautiously ventures near such spots when whole fields of ice are separated from the main body, and come tumbling over 2,000 under the Gospel. the craggy sides of the great mountains! Many, very many, have thus suddenly fragments of the glacier.

So tremendous is the pressure of air caused by their fall, that very often the houses of the inhabitants of the mountain slopes and villages are lifted from their places, and carried uninjured to spots several hundred feet from where they originally stood. This is the case where there has been no contact with ally the end of the ninth century was the ice—the simple pressure of the air fixed upon, when there was a special being sufficient to produce the result. Immense trees, that would seem by their circumference to be able to withstand the tornado almost, are often found broken into short lengths by this motion of the earth caused by the falling of the ice.

We have thus commenced our acquaintance with this glacier; let us follow it to its source. This, we will invariably find, is a huge vault of ice, from 20 to 50 feet high, from which 1186, amid storms and thuuder. pours out a living stream of yellowish water. Trace the rivers Rhine, Rhone, Aar and others of Switzerland, to their origin, and you will find their birthmentioned.

which breaks its surface into countless | years." openings on cavities which reach to the very bottom of the ice. The action of nounced that in two years the world the sun upon this broken surface has would come to an end, and that imthe effect of sharpening the edges, until | mediately afterward all power would be | ray of bright needle-points.

But how, the question is asked, do the middle of the last century. these immense fields of ice, reaching an their base, they never appear to have for 1785. washed away. As already intimated the supply is taken from the snow above the glacier. When this supply is | unusual kind of thunder heard in Janfull, the glacier increases in size; that is | uary last, was the voice of the angel to say, it progresses or extends in the mentioned in the 18th of Revelations, direction of its lowest base, When the and fixed the 15th of August, 1793, for supply is insufficient, the size of the bo- the destruction of London. dy of ice decreases, and appears to retreat. But this retreat is only apparent, surface of the glacier, with very little | dinner." grass-gathered from the adjoining clefts of the mountain-beneath him, in 1867. and not feel any moisture.

In the morning, at about seven o'clock, there is a slight melting of the ice; at eight or nine o'clock a few rivulets may be seen coursing down the direction of the valley; by the hour of noon, immense rivers of water are to be observed running to the foot of the glaciers. The surface of these ice valleys is perfer ted with vertical holes, which an ending place at the bottom of the this country, and unless we can manage

bodies being darker than the ice, ab- to be ruined. sorb more of the sun's rays, and becoming heated, melt an opening before great use and necessity in various inthem. The contrary is true, of large dustries; until lately we have imported stones or boulders, which are precipita- it from abroad, and have been able to ted upon the glacier from above. Their obtain it, in spite of the distance it has thickness makes it impossible that they | to be transported, at a tolerably reasonshould, within the short hours of a able rate. But not long since a natural day's sunshine, become heated through, deposit of emery was discovered in and hence they act as a protection for | Massachusetts, and the owners of it, the ice beneath them, from the burning desiring to work it, immediately derays of Sol. Very often there will be manded of Congres to lay a heavy duty ley, to the thickness of from 200 to 1,000 | found vast numbers of these boulders on foreign emery by way of "protectfeet, and extending often as far as nine standing upon sharp pinnacles of ice, ing" them. The result is that all who miles from the place of its inception. | several feet high, bearing the appear-From the great height above, when we ance of having been lifted by some look down upon these valleys of ice, to their present elevation .- [New Yorh] Times.

THE END OF THE WORLD-A SUMMARY OF PROPHECIES.

A correspondent of the Carlisle Examiner, thus sums up the prophecies which have been current in various ages regarding the end of the world:

1. The Jews had an ancient doctrine that the world will last 6,000-2,000 before the Law, 2,000 under the Law, and others are to pay double for all the

2. There was a time when the duration of the world was thought to be been cut off, and forever buried from | bound up with that of the Roman emthe sight of their fellows by the massive | pire, and every comet, earthquake, was regarded as a portent of doom.

> 3. On being asked by the Bishop of Salone whether the end of the world was near, St. Agustine replied that in all probability a few years respite would be given to it.

> 4. From year to year, however, the date of the crash was put back, and finexpectation and dread lasting till the year 1000, which had been definitely fixed upon as the wind up of all things. During that century many grants of estates were made to the churches and monasteries under the formula, Termini mundi apprepinguante-whereas the end of the world being nigh.

> 5. In 1179, astrologers sent letters all over the world, announcing that the world would surely end in September,

6. In 1524 there was a great terror, as John Stofiler, a German seer, had fore- searching out our mineral wealth, protold a universal deluge for the following February, in England, France, place in just such vaults as the one Spain and Italy. Thousands fled to the hills, and a Professor of Divinity of From these ice-vaults, the contents of Alcale, built himself a boat raised on which are continually replenished by four pillars. When rain began to fall the melting snow that caps the moun- in February, people said, "Now it betain tops, we may trace the glacier ginneth!" The four weeks passed over down to its final resting place, marking | well, the astrologer, says an old writer; its ever varying course-now extending | "for his excuse said that in his comin a direct line for thousands of feet, putation he had mistaken and misand then descending a steep precipice, counted in their number an hundred

7. In 1586, the Sieur Andress anthey appear at a distance like a vast ar- given into the hands of the Turks.

8. Whiston predicted the crisis in

9. A Frenchman, M. Turrier, thought altitude of 3,000 feet above the level of the Anti-Christianism was born about the sea, subsist year after year, and up- | the year 1450, it shall die about the year on almost exactly the same spots? Not- 1710. "This may happen sooner, but I withstanding the fact that vast rivers of | do not see that it can go much further water flow off from these glaciers at | than, 1714." He fixed the millenium

> 10. Richard Brothers, an oracle in 1790, proclaimed that the very loud and

11. "Write, write, the Spirit says write," prophesied an old woman in and quite unreal. During the night Suffolk, 94 years ago, "the High Priest the traveler may sleep upon the shall never have another Christmas

12. Dr. Cumming says it will come

HOW PROVIDENCE HAS IN-JURED US.

The New York Evening Post continues to make its tree trade arguments spicy and amusing. Here is an example.

What are called "the bounties of na-

with water, and if we follow them down- botanists, and mineralogists whom our ward, we shall find invariably small colleges have been training up of late, stones or pebbles, which have been and who go about discovering new deforced through the ice from above by posits of what is absurdly called "minthe action of the sun upon them-those | eral wealth," we shall presently go near

> For instance emery is an article of use emery will have to pay a higher price for it than before, simply because we are so unlucky as to possess a natural supply of it at home.

The same is true of borax, an article dom. of absolute necessity in many useful industries. Until lately we obtained borax from Europe; not long ago some prying mineralogists found a supply in California; and instantly Congress is asked to lay a heavy duty on foreign Borax to "protect" the owners of the home supply. This is to say, because Providence gave our country this element of natural wealth, tinsmiths and

borax they use. The same is true of several earthy coloring materials, chromes, which have lately, we hear, been discovered and utilized in Maryland; the manufactures there have at once demanded "protection" by a heavy duty on the foreign articles; In all these instances we have reason to complain that the Creator has cursed us with this which people call "natural wealth." If we had no supply of emery in Massachusetts, our workmen might continue to buy cheap emery abroad; if California had not a supply of borax, we might continue to buy cheap borax; and so on to the end of the chapter. If the geologists and mineralogists do not stop discovering things in our soil, we shall presently have to pay double for everything. It is already one of the greatest calamities which can happen to the country to discover a new bed of salt or other important mineral. The richer we are, the poorer we are likely to be made; the more bountifully Providence has blessed us, the more thoroughly we are fleeced; and the geologists, in mise to make themselves and their science a curse to the people.

THE SUFFERINGS OF THE CRETANS.

Stillman, the United States Consul on the island of Crete, thus sums up the sufferings of the people at the hands of their Turkish masters:

The crops of all the refugees are seized by Government and sold for its benefit, and all their property declared confiscated by proclamation of the Commissioner, no distinction being made between those having emigrated and those going into the mountains with the combatants, the property of all absentees being forfeited ipse facto. Yet the emigrants are not allowed to return, and the families in the mountains are not allowed to descend unless they bring all their fighting relations with them, a father being held responsible for his sons, even though he has no knowledge of them, and a wife and children for the husband and father. Besides this, many have been banished arbitrarily, without time to arrange their affairs or dispose of their property, and have gone penniless to Greece. In the mountains things are still worse; most of the people there have not had bread for months. In some places they have their flocks still, and with these and boiled herbs they subsist. The permission to descend and submit, conditionally on all their male relations going with them, is rendered almost worthless by continual massacres of those who attempt it, the Mohammedan troops not making much question of their right to kill Christians wherever they find them.

glacier. These hole are usually filled to knock in the head the geologists, that I can scarcely hope for such gene- burgh and Saxony.

rosity as other times would have shown. But if our people could imagine the whole Christian population of Cret nearly 200,000, turned adrift on the world as destitute as the possession of part only of their wardrobe permit them to be, no houses, no crops, their cattle, sheep, goats, mostly stolen; their olive trees cut down for fire wood in many places, and their fruit and mulberry trees wherever the army has marched; their hidden stores searched out by torture and destroyed, and, except those who have driven their flocks into the mountains, no man rich enough to give a mouthful to his starving neighbor-if, I say, our people could imagine this, I am sure that the heart would pull a little harder at the purse-strings for it, and not even feel tempted to blame the Cretans because they suffer all this unflinchingly, even to death, rather than give up their hopes of free-

How to Preserve Teeth .- A writer

in the New York Evening Post states

that it is deficiency of phosphate of lime in the system that causes bad teeth, and adds: What shall be done to give the teeth a proper proportion of phosphate of lime? the simple answer is, eat it; because we know of no other process by which it can be introduced into the blood, and unless it is found there somewhat abundantly, it will never get into the structure of the teeth, inasmuch as they, like the rest of the body, are composed of the materials which are brought into the blood by the digestive organs. In order to eat it, one must eat certain kinds of food which are coming now into general use in cities, and which contain in themselves. large quantities of it-such as grits, oatmeal, Graham bread, one-fourth of an inch of the surface of potatoes. The reasons, furthermore, may be found in the following: The bone of a tooth is composed of phosphate of lime to the extent of 62 per cent. The enamel has in it about 85 per cent. of this phosphate, and if less than this amount is found in proportion to the whole tooth, its structure is very easily dissolved away by the acids which form in the mouth from particles of food in process of decomposition, from confectionery and other sweet things, which, in the mouth, rapidly acidify. Some of the abovenamed articles of food should constitute a part of the daily diet from the time of first evidence of a child's existence to the fourteenth year of the same, at which time the character of the teeth may be considered finally settled; they will be found of a good shape, hard, with an excellent enamel covering, without deep seams crossing each other on the surface, and liable to decay, but the enameled caps will be found perfectly formed-which will save the patient an immensity of fear, pain and expense. The wonder is very often expressed that the teeth of people of the present day are so frail, while in past generations they have been so much more generally sound. It would not be far from correct to reply that the art of refining flour has now so much more perfectly robbed it of the bran of the wheat. that we get from our white bread, just so much less phosphate of lime; also dyspeptics, and those who dread dyspepsia, knowing they ate potato-skins when young, blindly say they and such trying food injured their stomachs, and hence neither themselves nor their children are allowed to eat them; and it appears to sum it up, that children of the last two generations, throughout the civilized part of the world have happened to be deprived of just the sources of the supply of phosphate of lime in their food which have robbed their blood of the wherewith to make good teeth and bones, so our teeth and general bony frame-work but illy compare with those of the back-woods settlers, who personated our grandfathers and lived more independently of fine boiling cloths, and ate up the entire potato, relishing rye and Indian bread, all to our present mystification and the blessing of their own physical happiness.—[S. F. Bulle-- monsonne A SCLAVONIAN EXHIBITION. - An

Ethnographic Exhibition is to be held in Moscow in the autumn of this year. I am not unaware of the great de- The exhibition is to comprise all the mands on American charity from our various tribes of Sclavonic descent, and own population in the Southern States, from a political point of view, will be or disposed to urge any diversion of no less Austrian and Turkish than Rusbenevolence from home work, but it is sian. Even the Prussian Sclavonians so difficult to understand the depth of | will not be forgotton, nor the few forreich downward until often they find ture" are likely to be the death of us in destitution into which the Cretans are lorn Vindians, the last remnant of the plunged from any American experience once numerous aboriginals of Branden-