Carreris．There may tie some times a dificulty in explain－ ing the origin of those fissures and cavities which so frequent ly intersect strata，and are especially numerous in moun－ tainous countries，and in limestone rocks，They may．how－ ever，be insally traced to the sinking or elevation of strata by volcanize forces，or to the action of water．Some sin－ gular theories bave been proposed to account for the for mation of caverns，and we remember one that assumes their elevation by the expansion of gases given off by doad bodies huried in the strata．Caverns generally consist of a eeries of galleries and apartments，to which the first open pace is but the vestibule．Rivers take their rise in some caverns，and in others they are lost．But this is not the on－ ty proof of the existence of subserranean waters，forwe are assared of the fact by the phenomena which attend the activity of the volcanic force，by springs and other appear－ ances．：It is stated by a traveller，that in some of the ca－ vering of Norway，the roar of the subteranean torrents may be heard as they bound along their contracted channels， beneath the floor of their gloomy recesses．A rivulet Hows through the Peak Cavern，in Derbyshire．The en－ trance to this beantiful cave is a deep depressed arch， 120 feet：wide，and 4 ffeet high；the cave itself is about 800yards indlength：From sorne caverns that of Mount Eoto，near Tuing for example，an intensely cold wind proceeds and gothers give out maligant vapours．The roof of some are covered with stalactites，pendent masses of calcäreons matter，presenting singularly fantastic forms． The grotto of Axtiparos，sitaated in an island of the sane name，one of the Cyclades，has been long celebrated for the variety and beanty of the incrustations which cover its cieving，walts，and floors．

Sphrivas．－Springs，which frequently give birth to rivers and lakes，are found in nearly all districts．There is no class of natural appearinces that presents more varied and in－ toresting phenomena，and few that more deserve the atten－ tion of the geographer．Springs which are constantly flow－ ing，withont any apparent diminution of quantity，are called perennial；others are called periodical springs．An inter－ perennial；others are called periodical springs．An inter－
mitting spring is one that fows at fixed intervals，such as mitting spring is one that flows at fixed intervals，such as
that of Como，in Italy，described by Pliny，which rises and that oi Como，in Italy，described by Pliny，which rises and
falls every hoar；and that at Colmars，in Provence，which rises eight times in an hour．There are also some spout－ ing springs，such as those of Iceland，which rise to a great height，and the plenomenon is probably produced by the fail or pressure of the water contained in a reservoir at a considerable elevation above the apertare frem which the water is thrown．Many springs are undonbtedly connected with the sea，for they rise and fall with it：this is the case with nearly all those in Greenland．
If wo turn from modern to ancient records，still more remarkable statements in relation to springs will be disco－ vered，bat there are few of them that command belief． The Greeks whose warn and virid imaginations gathered flowers of inexpressible beanty from every portion of na－ tare；with which fancy wreoght a garb to cover ignorance， were never weary of tracing the history of their fountains，and the deities who presided over them．There were some springs that cansed death，some lepiosy，and some gave the power of prophecy：oblivion was the resalt of tasting the waters of some，and the mystic stream of Arethusa gave peauty．The man who has devoted any time to the perasal of the writers of antiquity，and stored his mind with the fabie and inagery which give life and energy to all their descriptions，can hardly fail，when he thintif of the natural appearances that prompted them，to repall tomind the impressions which the first perusal copld not fail to prodace．
No one theory is suffieient to account for all the singn－ hr appearauces presented by springs，though－it is proba－ blethut some one canse is more active than others，and may be the general agent，while others modify its results． Gome persons have ettribated springs to the passage of water from the sea along subterraneoua channels into ele－ vated natural reservoirs．But as water cannot ascend
abovo：Aif lever，tids theory．cannot accomit for any of above itifever，tids theory cannot aceonnt for any of ocean，and consequently the doctrine of capillary attrac－ tion has been called in to aid the hypothesis．It is well Knownethat water will ascend small tubes and threads to a conigderable height above its ordinary elevation，and it has hegesapposed that，such forms may exist in the interior of tion eatth，and the water be thus raised above its level． But this theory cannot asisist the speculator，becange a li－ quid does not flow throngh capillary tube，though it nivay fbepreqed un it beyond the ordinary level．．There is no Thethe that mapo springs have their reservoirs at an im－ Whage depth below the surface of the ground from which titef may be raised by the pressare of confined vapours， which：stryggling for enlargement，force it through the fis－ arre connected vith its restrvirs．Dr．Hpitton attribate gningeso the percolation of water through rocis into na－ Sis cintarn，from which it：in discharged at a level jower


mountains，produce a considerable body of water，part of which peneirates the permeable strata，and is thrown again to the surface at a lower alevation along some n
in the line of stratification．－Win．M．Higgins．

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## HALIFAX，SATURDAY，JUIX 8， 1837.

Innocent pleasures for the Prople．（Con－ tinued．）－As a substitute for the acting theatre，Dr．Chan＝ aing recommends public recitations of poetry and the Dra－ ma．The present depraved condition of the stage is such that its continunnce is uo longer to be desirod－its measure of iniquity is full，and for the sake of the public morals，it is to be hoped，its lays are numbered．But whatever abjec－ tions may be urged arainst the ！nodern theatre，the most rigid moralist can have none against tho recitation o pieces in prose and verse．The following are the sober remarks of Dr．Channing on this interesting subject：
approach another subject，on which a greater rariety of opinion exists that on the last，and that is the theatre．It its present state，the theatre deserves no encouragement．It is an
accumulation of immoral influences．It has nourished intempe－ rance and all vice．In saying this，I do not say that the amuse－ ment is，radically，essentially evil．I can conceive of a theatre， which would be ibe noblest of all amusements，and would takin a high rank among the means of refining the caste nud elerating the character of a people．The deep woes，the mighty and ter－ the character of a people．
rible passions，and the sublime emotions of gevuine tragedy， are fitted to thrill us with huunan sympathies，with proforand ini－ terest in our nature，with a consciousness of what uxin can do and dare and suffer，with an aved feeling of the fearful myste－ and dare and sufier，with an aved feeling of the fearfin myste－
ries of life．The soul of a spectator is stirred from its depiths； ries of iffe－The sou of a spectator is stirred rom its depths；
and the lethargy，in which so many live，is roused，at lenst for a time，to some intensmess of thatght and sensitility．The drama answers a high purpose，when it places us in the premance of the mast solemn and striking events of human history，and lave bare to us the human heart in its most powerful，ippatling，glorivus workings．But how litule does the theatre atecomplish its end？ How often is it disgraced by distortions of human nature，and still more disgraced by prof，neness，indelicacy，low wit，such as no woman，worthy of the name，can hear without a blush， and no man can take pleasure in without self degredation． Is it possible that a Christian and a refined peuple can resort to theatres，where exhibitions of dancing are given fis only for brothels，and where the most licentious clasy in the community throng unconcealed to tempt and destroy？That the theatre should be suffered to exist in its present degradation is a re－ proach to the community．Were it to liall，a bet－ er drama might spring up in its place．In then meantime，is there not an amusement，haring an affinity
with the drama，which mitht be usefully introduced awong withe drama，which might be usefuly introduced an：ong us ？ laste，enthusiasm，and powers of elocution，is a very pure and high gratificatiou．Were this art cultivated and encouraged， great numbers，now insensible to the most beausiful ccomposi tions，might be waked up to their excellence and power． not easy to conceive of a more effectual way of spreading a re fined taste，through a community．The drama，urdoubredly， appeals more strongly to the passions than recitation；tret the latter brings out the meaning of the author more．Stakspeare，
worthily recited，would be better understond than on the stare worthily recited，would be better understond than on the stage．
Then，in recitation，we escape the weariness of listening to poor periormers，who，after all，fill up most of the time at the theatre．Recitation，sufficiently varied，so as to include picces of chaste wite，as well of pathrs，beauty and sublimity，is adap－ ed to our present intellectual progress，as much as the drama falls below it．Should His extibition be intronuced among us successfully，the result would be，that the power of recitation would be this would be extensively called forth，and added to our social and domestick pleasures．＂
In another part of his address，the Doctor throws out a hint that be is in favour of the formation of public walks and gardens for the lealthy recreation of the people－ ＂what we now waste，＇he observes，＂wonld furmish this city（Boston），in a course of years，with the chief attrac－ tions of Paris；with another Lourre，and with a Garden of Plants，where the gifted of all classes might have oppor－ tunity to cultivate the love of nature and art．＂We are pleased to learn that the advocates of the temperance cause in England are taking a similar enlightened mode of enforcing their benevolent aystem．In a letter to Mr．E． C．Delavan，chairman of the executive committec of the American Temperance Union，Mr．Buckingham a member of the Bxitish parliament says－＂C I am happy to state that in the Britigh House of Commons there is a gradually in－ creasing feeling in favcur of our views；so that I hope I shall be able this gession，to carry through both houses， my bill for the formation of public walks and sardens for the healthy recreation of the labour－ing clasises，and for the astablishment of titerary and scientific in
greeable nature，the crowds that now nightly eeek exciteot ment in the public hoasos．＂At a small expense might not
 burbs of Halifax，and we think，to the benefit of the heallti and mornis of the place．
By men of ascetic piety，anl this true philosoghy fint ituk considered as the perversion of ronson and the overthrion of religion．Accustomed to regnrd all amusement as rabet versive of this interests of chriatianity，the recommendatiot of their union by a minist or of the gespel，will excite thesi supreme disgust．Infilels may have done harm to theri simple and lovely religion of the Bible，but we verily biem leve，that all their efiorts have not proved half as injurim ous，as the parverted reprosontations of many profegenere of religiou．According to thear，from the moment yov make choive of the sorvice of God，you are debarred eved？ after of all corldly enjoyment，as they are pleased omer phatically to designate it－jour eyes muat be clomed $10 \%$ the heauties of creation－your oars slant to the melody of sound－the paths of literature must remain antrodden by you－all science and all learning muss ise renounoed while no further enjoyment must be axpected from sooial intercourse with your spocies．No wouder that such g＇oumy notions of religiou frighten the young and eame them to look upon it more with awo and teri，r，than with love and delight；for if chese viuws be correct，religion ing it war with nature，at war with reason，at war with ally pleasure and enjoyment．But no this is not religion－athan is exceeding fuir－the bloom of health is on her cheok－d besutiful drepery infolds her frama－she moves with alf luring steps－in her band sho bolds a radiant cap filled with nectar，nad she kindly bids you drink and be happj榤 for ever．But we shall allow the Doctor to plead his own
cause，and with the subjoined extract wo shall elase thewp remarks，comanenting the nothole of his addrese to the fort vourable notico of the reader－
＂Tu some，perhaps to many，religion and ampasernent meemin mutually hootike，ant be who pleada lor the one，may Elll uader？
 God，who gave us our nature，who kess canatiluod body and： mind incapalule of continued effort，who has implunted as atroens desire fur recreation affer habor，who lavy nude us for mmilet tagious of all sonnds，whose Sou halluwed a a marringe feant bem his presence and sympathy，witw has sent the child freab fromet his creating hatnd to derelope ita ansure by active aports，and
who has endowed both young and old with a keen armoeprifility who has endowed both young and old with a keen urscoptibility
of enjoyment from wis and humur． of enjoyment from wis and humur．－He，who has thus formen catnot frown on phended uns for a dull，anonotonous lifo，an fannot frown on pleasuron whing olace our fieigue and tr－
iresh our spirits for coming tuils．It is not only possible reconcile amuscimens wien duts．bus to mate only porsibite of mure animated extertion，more faitifulattachments，mure erate ful piety．True religion is at once nustioritative and benige． It calla us to sutter，to die，rather than to swervo bage teaches us，drat it is right and good，in ordinary corcupaseng to unite reaxtion with toil，to accopt Goul＇s gites with cheorel acss，and to lighten the leart，in tue intervals of exertionar social pleasures．A religion，giving dark vievs of dod aiding superatitious fear of innocent enjormont，instend pair their mural force，will，by making men ubject and sad， 1 refuge from depression or despair．＂

Competition not Opposicion．－We aro corty perceive that our learned brother of the Acadian Record has managed to lose his tempor，and along with it，
courne，all his wonted blawdieas and amenity．If trou as rudely and wrongly，bat at we think it is had polieg get angry in print，we shalt not follow his example．Wh know better the respect which is due co onr readors the
to deface the brilliancy of the Pearl，by any ebullition on mancorous feeling．
We have given great offence；it seemn，in prosumind send forth into the world a wuekly periodical，and head＇and front of our offending is that，we havo no＇$z^{2}$ ，
ful right＇to do so，an wo have not been duly artiolet



