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| 1 | 2 | 3 |
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# MC 826 <br> , T24 <br> PAM 

THE ANCIENT STRAIT AT NIPISSING

BY
F. B. TAYLOR
[From Bull. Geol. Soc. Am., Yob. 5, 1893.]

## f＇mitionts．

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Introulaction ..... fi2）
Be：ct：hon． ..... 6．11
The Nipiswins lhereh ..... ti21
Botches at higher Levels． ..... lix：
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Mowern Brad ..... （iz2）
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Therenth share of the strat ． ..... fi：3
The Obmapins Delta ..... 12：4
Ameicent Nipissing 1shand ..... 0
（＇0nolavions ..... 1224．

## 







 comatry in the vicinity of the anterent outhet at kake Xipissing．In Jugnst I was



 resulto af the tirst visit that the seeomb me was mande．

The existemee formerly of an outhet for the deme bakes at hake Xipiswing hat
 Whethe the waters wf the great postglacial submergene rose abowe the leve of the outhe river．The whly information on the sulgert whel hat ever come to my knowledge was fom a combersation with Mr（i．K．（ithert at tombanamis，in

 of the river and added that he thonght he saw termere on the hills haek of North

 tertained for some time mevions and aceording to wheh I hat extmated the probalob height of the highest shoreline at hake Nipissing at an altiture of at least

 the weather variation amd elminate it ats fare pexible．The datman for the
 On the profle of the rath this is given as disp fert athere the＂smmer leved of


SKETCH MAP OF A PORTION OF ONTARIO.












 the bexches dastriber will be limme of phate ero.

## BLEMAS.













 of gravel were motiond along it: fromt.











 The bean at the fork is a lithe higher than the tervere at desure but mot more thant the proper diflerene between a beath mul at torace.



[^0]

 narmwest part of the athelent ontiot.













## 




 as shomeline liathers.








 sualewe.

 of the stremm math at sumeresively hewe hevels as the waters shbsidel.





















 patches of higher gromul in it. Wh the frout we the former mainhand on the borth



## The:

 North hay. 'foward the morth tho comber is romgh, the clearimes in the forest are


 evidences from the higher gromd as well as posibive evidences from below. On Hue tive exemsion on the Trmisembang rand wr drove noth from Velsons 11 mile
 firm of Me batley, which is next :athth of Fome Mile lake. Soperal gravel ridges

 Well us theif forms, were molike true littombleatmes, . Dont hatf a mile cast of Hills comer there is an shall, short gitwed ridge which juts emstwarl fooll a drift



 tille gravel rifges. fhey alpored to be in the midet of a swamp, wre prite irregular in firm, "ith xpus am! hollons, and they rise stergly tem to lifteen feet. I




 meaterment, I comelmed that Four Mile lake is somewhat bedow the pevel at
















 North buy:

## 


 Tront reek, abont os miles sonth-smatheast lionn North bay. The highest pastglacial shomeline was lowated at sumbidua amd sonth river, and lines a litthe lower were foumd at Tront ereek. The lirst vinit the these lowatites was mate betore the first one to Sorth hay and dosed. Iwo weres trip alones the line of the Northern
 the record of that trif and will therefore be omitted here.
 wer the wide basin of stony bake, which wat an anm of the repabled waters at




 north. It Tront arek, it miles farther .enth, the lewe of the highest lime at
 1, he fee above seatered. The father to reath the higher lime at this phate wats
 shoreline probably existe there at a shighty hisher leved than that at sumb river.













## 




at sullary for the particular parger of making the trip to farter. From Vermilon river to the smmit, three miles enst of Cation, there is an atsent of 496 feet in $1 t_{2}^{\frac{1}{2}}$ miles, and the altitude of ( artier above mean tide is 1,363 feet. I hat comind gute condedenty on tinding the quat mper beach somewhere on this slope. Ongoing there I fomad inmense teraces of gravel at sereral elevations in to about 1,200 feet above sealevel. They are ohl deltas of the Ohaphing river and the smallerstreams which flow into Siluer lake. 'The malway cols them to splendid alvantage for observation amel they hase heen excasated extensively for ballast. The comiry is bery rongh, heavily wooded and there are no rombe, bat the ter-
 and graw ridges near the highest level which elosely resembled beaches, but conlal
 are extensive gravels filling of the stream beds. They are mbloubterlly related to the ancient water-level. It secoms probable, julging by vimilar phases previnusly observed, that the
 above the level of the masive termare at 1,200 fect.

Cortier is built upen a leved grawed phain which sedms to have filled ant ancient lake or expanded valle?: Alomet a mile to the west agabes the romgh hills ate there distinet iertaces
 I do not know whether these forms are glacial or in what relation, $\mathrm{i}^{4}$ ane, they stand to the weat summergenere

## Snemay Milming Inlavid.

If the highest beaches here deseribed mark alpmoximately the comtome of the shareline of the gevent submeremere, it mast hatwe eoverel a wide area of the smamoting lowlambe. Cimon the basis of thesedeterminations 1 have sketheal in figure 1 this part of Ontario, showing the local-


Fitirne: 1.-Stietch Metp of part of norihern Ontario.
showing, 1 , ancient Nipissing ishand, with the stratit to the south of it: 2 , lake Nipissing; :3, the
 mine: folake Watamine: T, lake Wabnapitteping ; lake Mitibhi. tion of the strat atal t?e lake eremutry
 the water in that diaertion. Thas interesting rexion of the morthern lakes is still wild amel almost mbroken; hat the semeral whatere of the country is pretty well knewn. The athtude of the larer takes have been determined apmoxinately and camoe route are followed from one ta atoother. The altitude of 'remiseamang
 Tamagaminge, to the somthwest. 1 lid not fimb, but it is probably mot mach more


ane to the worth atm the other to the sonth. It is a fatorite camme trip to and down the Nattawa from Trout hake near North hay, up, the (otawa, up the Montreat
 down its sonthern ontlet tostarem river, down this to lake Nipising and thence hate to North has. The survers for the dames bay estemsion of the (ixam Trunk

 ing the ehatacter of the eomatry, and esperially of his lake are not high. Ta the


 of lake 'Temisemaner and the othern
 bommed towat the eas by a how and




## 

The beliof which 1 rentured to express in a provions paper has in the matn heen erified. It their highest level the (ivat hates hat open eonne tion with waters to the east throngh a boad stat at Xiphsing, and it now seems probable that they had amother to the northeast. It is mot fet prowed that these eomertions were with the orean, but I believe the evidence toble more and more stomgly towat that comblusion. The qhatial hypothest was plawshbe and wsefut, bat as
 and father back, until it mow seems fatir way that the bumben of poof rests with those who faror them.


 and Siperior, and atso in the
timuntrs shotelane of
Four Winve, Inmas.

[^1]1892. pro 2tis and 215.



[^0]:     Toronto, $18 \% \%, 1$. $3 \%$.

[^1]:    

