

it has been calculated, to account for the last submergence of the northern hemisphere during the Champlain Epoch. The submergence of the southern polar lands is now in progress.

Should the connection of "the glacial period"—and of other glacial periods more ancient—with cosmical conditions, be satisfactorily established, it seems to me that we are here furnished with a hopeful means of giving greater precision to the calculus of geological time.

For detailed information on these questions, see Croll, *Philosophical Magazine* for August, 1864, and February, 1867; *Transactions Geol. Soc.*, Glasgow, April, 1867; *Revue des deux Mondes*, 1847, etc.

NOTE VIII., page 287.

As the records of the flowing wells of oil springs constitute one of the most remarkable chapters of the history of Petroleum, I append here a list of them, made from personal examination and research. In this list, "Sub." stands for subdivision, "R." for range, "L." for lot, and "Con." for concession.

Former Flowing Wells at Oil Springs, township of Enniskillen, Ontario.

Depth in feet.	Yield in bbls.
3 Finn & Brown—S. E. part L. 17, Con. 1.....	Trifling.
104 Solis—Sub. 16, R. A., L. 18, Con. 2.....	600
108 Purdy—W. $\frac{1}{2}$ L. 19, Con. 2.....	1000
115 Evoy Brothers—W. $\frac{1}{2}$ L. 19, Con. 2.....	600
116 Jewry & Evoy—W. $\frac{1}{2}$ L. 19, Con. 2.....	300
116 Fairbanks—Sub. 31, R. 5, L. 17, Con. 2.....	500
130 Campbell—W. $\frac{1}{2}$ L. 19, Con. 2.....	200
132 Bennett Brothers.....	500
136 Chandler—Sub. 33, R. 2, L. 18, Con. 2.....	100
155 Jewry & Evoy—Same as above, bored deeper.....	2000
157 Sifton, Gordon, & Bennett—Sub. 2, L. 18, Con. 2.....	150
158 J. W. Sifton—Sub. 1, E. part L. 18, Con. 2.....	800
158 Shaw—Sub. 10, R. B., L. 18, Con. 2.....	3000
160 Wanless—Sub. 6, R. E., L. 18, Con. 2.....	200
160 McLane—Sub. 2, E. part L. 18, Con. 2.....	3000
160 Ball—Sub. 3, E. part L. 18, Con. 2.....	250
160 Rumsey—Sub. 6, E. part L. 18, Con. 2.....	250
160 Whipple—Sub. 8, R. A., L. 18, Con. 2.....	400
163 Sanborn & Shannon—Sub. 13, R. C., L. 18, Con. 2.....	2000
163 Campbell & Forsyth—Sub. 12, R. C., L. 18, Con. 2.....	1000
163 Wilkes—Sub. 9, R. A., L. 18, Con. 2.....	2000
164 Bradley—Sub. 13, R. I., L. 18, Con. 2.....	3000
167 Webster & Shepley—E. part L. 18, Con. 2.....	6000
170 Leavenworth—Sub. 7, R. C., L. 18, Con. 2.....	500