

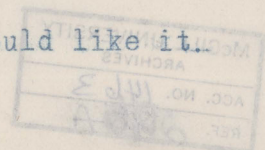
73 Capitol Co.

Atlanta, Dec. 15 th 1893.

My Dear Sir.

Thanks for your most valuable Ice Age. I did not know before that you had it out, and I am very glad to have a copy. I have more than looked over it. It will aid in the reaction from extreme views on the opposite side. Since writing my last ^{paper}, I have made my final recalculations as to the age of the Niagara. I make the falls not less than 51000 years and the river 52000 years. Also I estimate that at least twice this time has elapsed since the close of the drift period or in other terms since the commencement of the lake epoch. In my letter to Prof. Bonney, I did not refer to the falls belonging to the last half of the lake epoch, and he evidently wanted more time for the close of the pleistocene. I shall have my Niagara read in London, as it is one of my best, and could not have been written without the previous researches on lake history. You are right as to the appearance of man in the region. We have no evidence that he lived at the time of the formation of any of the lake - beaches. I have not gone over your book enough to know what all is in it, but I have not seen your views on glacial dams, upon which my friend Gilbert so strongly dwells.

Today I got a letter from Col. Fielden, and I don't want any the less to go Ellesmere land. He and Dr. Rea are our two best observers on field and coast ice in the arctic region. I strongly suspect that with northern submergence and southern elevation as shown in my last paper sent to you, we can explain most of our pleistocene phenomena. I have come upon what is probably modern faulting in the Adirondack region. Hill has found it in Texas and McGee from the Hudson to the Rappahannock; and this will assist in explaining some phenomena. In justice to myself I feel that I ought to write up all my researches in the form of a book on the History of the lakes, but so many more facts are needed to make the work complete as I should like it.



Atlanta, Dec. 15th 1893.

My Dear Sir,
I am writing to thank you for your last volume.
Thanks for your most valuable Ice Age. I did not know before
Yours faithfully

J.W. Spencer

P.S. A letter from an old friend gives a fine illustration
of Collyer's management. In six years he has
had 3 Presidents, 4 Prof. of Agric., 3 Prof. of Mechanics
3 Prof. of Mathematics, 3 Prof. of Military Science,
2 Secretaries, 4 Librarians, and assistants in keeping
This is the most progressive institution I have seen
in the U.S.

Spencer
Dec 1893

McGILL UNIVERSITY
ARCHIVES
ACC. NO. 1463
REF. 246A