

Second Geological Survey of Pennsylvania.

J. PETER LESLEY, State Geologist.
1008 CLINTON STREET, PHILADELPHIA.

Pocahontas, Kanawha Co., Pa. 1888
Aug 18/88

Prof. J. W. Dawson

My dear Sir,

Absence from home has prevented me thanking you earlier for your paper on Wallace's Continental & Island Life. I have read it with much interest and profit, being particularly interested in your summary of the theories of the cause of the glacial epoch.

I have been at work for several months in tracing the great terminal moraine, which is also the extreme southern limit of the great ice sheet in Pennsylvania. It is of great interest to find that this moraine, unmodified by water action, crosses the northern part of the state in a continuous line over the highest mountains and across the lowest valleys in such a manner that it could not possibly have been caused by anything but an immense continuous ice sheet of great thickness. While bearing in mind what you have written upon the subject in the

books and papers you have kindly lent
me, I find that only a continuous and
fluvial sheet will account for all
the facts observed. There is no evidence
of water action south of the meraine except
in the immediate river valleys. I should
like very much to show you a number of
typical places in this state. I shall
take pleasure in sending you an account of
this meraine after field work for this
summer is over.

Lewis
of
May 18

With much respect
Very truly yours

Henry Parilla Lewis.