

Lake W. Gaganth
February 12th 1879.

Dear Dr^r Harrington,

Fearing to encroach too soon & too much on I know you over-occupied time, I deferred a little my acknowledgments of yr always welcome note, duly received.

Your remarks on Tompston Minerals read with much interest, and I shall have a fresh box for you before long.

The cut we are making into "Trusty" by exposing so much more rock, gives one new and better ideas of these Phosphate occurrences, I am keeping a map as we progress, which I will send or bring that you may see when I notice - Your remarks about hornblende remind me to mention a peculiarity I notice respecting this mineral, you may remember

the bladed actinolite we found in "Trusty," we are now getting this very abundantly. it seems to occur or occupy or form in the cracks, or small fissures in the pyrope mass. appears to me a later formation and I have one good sized crystal of Alpatite cracked like some you saw here, in which the fissures are filled more & less with the same.

I have got a few specimens of nice green - Fluor. & yday one small piece of purple.

I send in a small pill box some pieces of Zircon one showing a small crystal of Fluor enclosed, in another tolerably perfect plates of Mica. and a quite small one from Clear Lake, very pale and spotted which I thought you might like to examine with the microscope. Noticed in some scientific news last year, some ~~unusual~~ unusual combination discovered by a German in a Zircon, I also observe a soft porous substance in some of the veins in the pyrope. it is quite cellular, but very soft. I did not notice any

= Thus like it until a few days ago - the pores or cells are hollow, and at first I thought it was an altered mineral. but a piece I found yesterday was more strongly marked and I have kept it -

We are getting out Phos. nicely now.
The "Loyalty" differs from any of our previous workings - It is very rusty - and one pit I have made a sketch of I consider quite curious

I think it peculiar, that altho we find Zircon as well in Phos. lime. Sphene^{in rusty}, we find no Sphene except in the gneissoid floor of cut, where they are plenty, but in the Loyalty quite a number of Sphenes are in the Phos. but no other mineral with crystals of pyrope.

Clear Lake, however seems to hold throughout without any distinction Zircon. Sphene, pyrope &c., whether the mass be Phos. felspar or pyrope

I am domiciled at last in new house, where as compared with old quarters I consider I am in luxury and where I hope later on ~~to~~

have the pleasure of welcoming you.

I am fast picking up my arrears of work and I expect in about a fortnight to be able to commence a systematic course of study.

I have most of my minerals unpacked in Ottawa, but have not been able to arrange them as yet. My Counties of Victoria and Peterborough specimens are I am afraid irreclaimably gone.

Marcelin and Savage to whom I gave your kind message feel much flattered by your remembrance, and desired me to thank you. Hoping I may soon have the pleasure of seeing you I remain

Dear Dr Harrington

Yours sincerely

J. M. G. Miller

1879 Feb 12
J. M. G. Miller

MCGILL UNIVERSITY
ARCHIVES
ACC. NO. 1010
REF. 353