

Dec. 16/69

Dear Gerhardt:

Sorry for the long delay in treating the specimens — two trips to Ottawa and too many rock samples have kept me pretty busy. I finished my thesis ~~on~~ during trip number one and successfully defended it ~~on~~ during trip number 2. It feels good to have the Ph.D over and done with!

I made some notes on the specimens and they are attached. ~~Each~~ Each was ~~etched~~ etched in ~~the~~ cold HF for 15 seconds, washed, and covered with ~~so~~ sodium cobaltinitrite solution. K Feldspar ^{stains} ~~etches~~ yellow as a result.

By the way, the staining suggested that ~~to~~ hematite alteration and replacement of plagioclase ~~by~~ K Feldspar ~~was~~ occurred. I put a sample of plagioclase from H1H 58.55 in for X-ray and spectrographic analysis to see if hematite is present.

If possible, I would appreciate the opportunity of reexamining the thin sections from these specimens. If you are willing to send them to me I guarantee to look at them and have them back to you within two weeks. Things aren't so hectic now as they were when I got your hand specimens!

I'm really pleased by your new discovery — so long as you people keep coming up with new finds my budget is unlikely to be trimmed!

Merry Christmas and may you find lots more ore in the New Year.

Bill.