

241 Fifth Ave.

Ottawa 1, Ont.

Mar 29/55

Dear Aaro,

Thank you very much for the gen on Bennett area. I have a lot to say myself, so I had better tabulate it to make sure I say most of it.

1. The completeness with which you have covered the mineral deposits of the Bennett area leaves little to be desired, and amazes me. After all the years I have spent on the area, supposedly hob-nobbing with the locals and finding out where all the deposits are and so on, I find that I know only half of them, and have not done too ~~x~~ glorious a job of analyzing them. Thank you again for all the poop - when I finally get down to the serious work of the Bennett Memoir (sounds good, wot?) I will make great use of it.

2. I gather that you may be in Whitehorse as soon as April 15 or soon after. I won't be up there till late May or the 1st of June. I will be John Wheeler's senior assistant, more or less. Mostly more. That is not entirely a demotion, since I asked for it myself, and JOW doesn't mind, so the GSC took me up on it to save money and help me get my thesis field work out of the way without too much expense and responsibility on my part. I will probably do the thesis work in the fall - may be more chance for me to line up a boat or something down in Haines. If I see you in WH which I hope I do I will fill your ear with many vile things about late happenings in GSC. ~~Bureaucracy~~ Bureaucracy is creeping in. GSC is being tailored to fit the staff of old-timers, not the ~~new~~ job it has to do, and reward is not going to where it should in some cases. The great gods are seniority and good (ie mild) behavior. The word seniority begins with a capital PhD. All ~~is~~ is not well.

3. I will respect the confidential page as far as I can. Actually, the fault or fault zone idea is ~~is~~ very close to one of mine, after studying the same airphotos, of course, and studying the maps. I agree with you heartily. But I don't think I will be coming out with anything of great consequence for quite a few months - ~~some~~ some ideas like that may go into my thesis - but of course will be promptly buried out of harm's way. I will confess, though, that I have not been on my toes with regard to the basic and ultrabasic intrusive bodies. I didn't recognize the significance of that one at Wann River, for example. Blindly trying to fit what I see into my preconceived ideas.

4. Properties - what I know of them, for what it is worth.

Tutshi Lake, N. shore. Walter Sweet claims to have done the work on this; appears to be hand-steeled in a very few feet; very hard, siliceous vein. I have more exact notes out at the office:

mineralization:

sphalerite } w. associated
galena } calcite
pyrite }
& chalcopyrite } assoc. w.
silicification

Whitemoose Gp; do I understand that there is antimony mineralization with this? or in this group?

scattered
massive
patches.

vein-bx is consisting mainly of qtz & calcite. Fragments are cherty, greenish, pyritized. some qtz-xl coating. wall-rock: highly silicified, pyritized, veined greenish volcanic rock.

Cathedral Mtn conglomerate: can you tell me more about this? You say it contains porphyry copper pebbles. Is that mineralized plutonite? Might be hot poop for my thesis. I suspect the volcanic rocks of

→ Caved - probably less than 50' of drifting Cabin nearby without roof shed.

Cathedral Mtn are of latest Paleozoic age - latest Permian? Permian fossils found just off the area in lime-bed in volcanic rocks ; Atlin lake.

West side of Nelson Lake ; up creeks : by binoculars, and I think by float or creek debris, I picked up ultrabasic bodies here. I didnt see any mineralization, but I waant tuned in for such things, I guess. The bodies are low on the steep hillside.

I hope to have my preliminary map of the Bennett area out very soon - I guess it is a matter of how fast the mechanics of draftsmen get it out. I will be turning the stuff in tomorrow or the day after.

I am sending a 4-mile map showing some (only some) of the assumed faults I have picked out from the airphotos. This is gen mainly for my thesis so I feel I can give it to you before publication. without being criticized. It is my theory of the moment that the ~~XXXX~~ NNE trend, though very prominent around White Pass (where the topography lends itself to expression of such structure) and the N and E trends, suggested by topography, are late features compared to a ~~XX~~ NW to NNW trend of faulting and fracturing which contains most of the mineralization of the district. A quick plot of the ~~XXXXXXXX~~ azimuths of veins in the prospects that I have examined shows a tendency thus:

Au-pyrite-chalcopyrite-galena-sphalerite & occasionally tetrahedrite mineralization follows NW trend fractures . Decidedly.

Au-pyrite-chalcopyrite & occasional arsenopyrite type of mineralization follows N to NW fractures. Not much data on this group , of there is such a group.

In fact, I would have to do a lot more gathering of data before I could do much with this sort of ~~xx~~ thing. I merely plotted what I had in my own lazy, sloppy notes for properties within the Bennett area. I begin to see the value of really complete, reliable notes and a vast fund of energy and enthusiasm in the field. Sigh.

I dont have much dope on the Brownlee Lake faults that would be of much use, aside from the geological map. Mike Waller picked up a small ultrabasic body on the north side of Fantail Lake , almost at the west end, and back from the shore a mile or so.

I have run out of ~~xx~~ things to say, so it is time to quit. Sory you didnt get out to the wild east this winter. But it gave you a chance to get settled, which must be nice.

Cece ~~xxx~~ Hewlett and Catherine sent Audrey some plans and sketches the other day -they are about to build a house in Victoria. Cec must like the BE Dept. Bill Poole is going great guns on his thesis, but I dont know how far along he is. John Reesor is working overtime on a memoir of the Dewar Creek sheet, SE BC. Phenomenal zoned intrusive structure! Lew Green sounds as though he has some hot and good ideas by the tail in the Mayo district. That boy is one of the best geologists of the ~~xxxx~~ class, in my opinion - for working up good, original ideas, at any rate. VOC news has it that Walt Sparling is sitting on a well somewhere in Alta - probably making more than any of us.

Fred Roots is going on operation. Franklin. His English bride will leave to meet in Ottawa, per girl.

Are you going to the Alaska Science conference? I hope to.

Sincerely, Bob. *B*