

in each generation, and hence after Jacob will descend by Max. —

In the evening Marie the boys & I musicized, & later Marie & I at duets on the piano. —

Monday 24
CWA
Jesse Snow
In forenoon laid the floor in my observatory. After 6 P.M. Father drove me to Gall where I took the C.P.R. train for Ottawa. In the sleeper from Toronto I met Senator W. E. Sanford of Hamilton, & we had a long chat together in the smoking room.

Tuesday 25
CWA
In Ottawa. — I called on the Surveyor General Mr. R. Deville and talked over the season's work as also that for next season. As usual he was undecided and felt himself hampered & balked at nearly every step by the Minister (Thos. White) but more especially by the Deputy Mr. A. M. Burgess. Mr. D. lacks business tact & determination, were it otherwise he would meet with more success, for I do not for a moment question his abilities. He can plan but not build, he can suggest but not carry out.

Later I had a chat with the Deputy & also with the Minister and found them both favorably disposed to our astronomical work present & future. — Mr. D.'s great dilemma now is that the Minister stopped him from proceeding with the erection of an observatory. Mr. White said to me "my colleagues opposed it, so I dropped it for the present in order to gain my point eventually." — Called on Mrs. Burgess in the afternoon.

Wednesday 26
CWA
Called on Mr. Deville & Mr. Burgess again, and at 4-30 P.M. left for Newcastle, reaching the same at 8 P.M. & then proceeded to The Windsor.

Thursday 27
Pleasant
After breakfast I walked to the observatory of McGill University, presented my card and was

the various instruments. For a time I was under the impression that the gentleman who was showing me about knew not who I was that is professionally, for I had no desire to let him know, but when he asked me how far I was with my trigonometry work I knew my identity was known, and he proved to be Prof. ^{C. H.} Lévesque the director of the observatory. He did not fulfill my preconceived idea of Prof. M. L., being rather an ordinary looking mortal. After we mutually knew each other the conversation was less restricted and I found him very courteous & I was glad to have made his acquaintance. The observatory itself is very small, cramped and insignificant, the equatorial has only 6 1/2" aperture. The transit is in a small wooden building, the instrument being reversed by hand, another small building has the heliograph. - The regulating or adjusting rather of the mean time clock is done by placing weights (nuts) on the pendulum, or taking them off as the case may be, there was apparently a hand full of them lying on the "bob" when I saw it. A magnetized knife is used for lifting them a magnet being too strong - lifting too many at a time. The affair seemed somewhat clumsy to me. The time service is from France here, but the direct ^{time} service by the break-circuit mean time clock is confined to several local circuits in Montreal, the setting of time along the railways is done by the railways the signals being repeated by hand, an unnecessary long method. - Prof. M. L. is beginning a series of earth temperature determinations from a depth of 1 inch to 3 or 4 feet, a galvanometer is used, the deflection is noted for any particular depth, and then a similar deflection made by adding hot water to a flask of an electrical element, the corresponding temperature for the known deflection gives the desired result i.e. that of the earth. -

In the afternoon I called on Mr. C. Van Schoone Vice-President & Messrs of the C.P.R. of several matters I wished to speak to him - 1^o of their time service with the view of probably getting control of it (i.e. our Department) should be built an efficient observatory. 2^o On the names of the mountains in British Columbia along the C.P.R. that they adopt the names as given in my official report, & 3^o of a pass for train to Spruce Victoria in case I go there next spring in connection with the determination of the boundary line of Alaska. I had scarcely mentioned the last to him when he said "That's all right I'll fix that".

During our conversation he sat astraddle of a chair, cigar in mouth. I was much pleased with the courtesy he showed me.

At the hotel I met J.P. Casgrain D.D. he is there with wife child & nurse, there are very few surveyors who could stand such an expenditure. A rich wife is a pleasant appendage.

At 8:30 I left for Brockville where I arrived at 12-43 a.m. & put up at the Revere House.

Sunday 28
fine

While at breakfast J.G. Christie called on me to take me to his father's place. So visit him I had come here, our acquaintance dating from the time I visited Norway House in 1884. At the door of Edgait Place I was welcomed by his mother and immediately thereafter her husband W.D. Christie warmly extended his hand to me, glad to make my acquaintance. With them on a visit was Mrs. Alex. Christie, a widow of a St. Paul officer. In the afternoon, accepting the invitation of Mr. Ryan for a short cruise in his private steam yacht, we steamed down the Lawrence River miles to Odessaburgh in New York State. The remainder of the party were Mr. Mrs & Miss Ryan, Miss McDermott