

September

Tuesday 20

Busy studying &c. The night was cloudless and I got the complete programme of 24 pairs of stars for latitude.

Wednesday 21

fine
night cloudy, & a
little rain

After copying last night's observations I dismounted the zenith telescope and set up the transit again. Observed at night for time to adjust in azimuth, but it clouded up before the transit of Polaris so I did not get the final adjustment.

Thursday 22

fine

I put up the telegraph line myself connecting my observatory with the P.T.R. line at the telegraph office close by. — I am waiting now for Mott's arrival in Winnipeg to begin the longitude work.

fine at night

29° F. in observatory

Am busying myself digesting "Preece's Electricity" & find it most interesting. — It is a grand sensation when a new idea is unfolded to one; it is as if portals were opened disclosing new scenes and giving a greater area in which to move. —

Friday 23

cloudy

cool

windy

night some rain

Busy writing, reading & experimenting with my telegraphic apparatus. I was reading & studying electricity tonight till 5 A.M. and some new facts & truths were disclosed to me that elated me greatly, and altho' it was 5 o'clock before I went to bed my mind was so busy working that it was 7 o'clock I fell asleep.

Saturday 24

pleasant

I have commenced writing an article on "The electric current in the determination of longitude & apparatus used." — I never go to bed till near morning & sleep then till noon. As it is generally too cool to sit in my observatory at night I go to the station close by, but am myself with my box of insect powder showing a semi-circle on each of the two tables between which I sit and thereby "insulate" myself from things movable. For the night operator a Frenchman they seem to have a peculiar predisposition, for frequently he puts his hand to his neck