

to be from the south, I decided to attempt it first from that side. In one hour from Field the "Natural Bridge" is reached, where a bar of cambrian slate stretches from one side of the Wapta to the other, with an outflow for the stream in the centre, but easily traversed by *homo sapiens*. The railway company had a bridge built this year over the bar, and our horses were the first to cross it. From the Natural Bridge to the creek flowing from the lake, where another bridge would be convenient, requires another hour, and then, after a third hour's walk from Field on a good trail, leading through a fine forest, Emerald Lake (about 4220 feet¹) is reached. Our outfit was shipped on board the little craft stationed there, and rowed over by Fred to the northern shore, where we pitched our tents, the horses having been driven around the western side. The lake had a temperature of 55° F.; the numerous little springs rising near its shore and emptying into it, of 42°.

The next morning was a very damp one. To beguile the weary hours I made myself waterproof and entered the narrow valley, which opens to the northwest of the lake. Two hours' walk brought me over the débris of an avalanche to its upper end, a precipitous cirque, with high tilted strata to the west and a hanging glacier to the north, the right side of the latter descending in a narrow ribbon pretty far down. On my way back I met a porcupine on its way up, which passed within a yard of my feet. The morning of July 17 was also damp and cold (5 A. M. 38° F.) With Fred and Ralph I left the camp at eight o'clock to ascertain whether it would be possible to take our horses to a higher camp and find there the necessary feed for them. We traversed the little plain behind Emerald Lake to the northeast, crossed the creeks without difficulty, and moved up the unwooded slopes of the Emerald Range, skirting its perpendicular walls. Coming into forest again, we turned further north and found, after three hours' walk from our

which may be easily made and which will give great satisfaction to any visitor at Field.

¹ This and the following heights have been determined by two aneroids, controlled by the boiling point of the water. The little sketch map, attached to the paper, has been compiled by aid of numerous bearings, taken on the road. It will no doubt be found incorrect and can only be considered as a finger-post for the reader.