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## NOTES ON A GEOLOGICAL TRIP OVER A PORTION OF THE CANADIAN NORTHWEST TERRITORIES.

BY T. C. WESTON, F.G.S.A.\*

It was my privilege while a member of the Geological Survey of Canada to be assigned, in 1889, the task of exploring and collecting objects in natural history and archæology from the banks of those portions of the Red Deer and South Saskatchewan rivers lying between the fifth principal meridian and the South Saskatchewan landing, a distance of about four hundred miles; but taking in the hundreds of small turns in those rivers, probably double that distance. Taking the Canadian Pacific train from Ottawa to Winnipeg—that wonderful city which has sprung up within the last few years—we continued by the same line to Calgary, which is close to the beautiful Bow River, 2,142 miles from the capital of the Dominion of Canada, in sight of the Rocky Mountains, and 3,413 feet above the ocean. The city of Calgary stands on a beautiful plateau which only a few years ago was the favorite camping ground of those war-making Blackfoot Indians, a portion of which tribe occupies a reservation a short distance from Calgary, while others of the same tribe camp on the outside of town, preferring to pick up a precarious living rather than be confined in the reservation provided for them by the Canadian Government.

Here I find my half-breed Indian, Mackenzie, with wagon and horses. He has come from his home on the banks of the Red Deer, a hundred miles from this, to meet and accompany me

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\* Portions of this paper have been published in another form in Mr. Weston's "Reminiscences Among the Rocks."