

Canadian, in whom the inhabitants of the Province had reposed some trust, that the honor which has been conferred upon me by Her Majesty was so easily obtained. That I am proud of the honors which have been bestowed upon me by the Emperor of France, in respect to my geological labors, and also by my brother geologists in England, there can be no doubt. But I have striven for these honors because I have considered they would tend to promote the confidence which the inhabitants of the Province have reposed in me, in my endeavors to develop the truth in regard to the mineral resources of the Province; and in this work none could have been more interested in my success than the Members of this Institute. We have on the other side of the hall* an evidence of the interest taken by the Institute in the Geological Survey, and you have, in publishing what appears within that frame, published the one-half of what is included in the enlarged map which I presented to the exhibition at Paris. You have in it the whole of the Geology of Canada, as far as it is at present understood, and I think it will, perhaps, not be disagreeable to you that I should submit a short account of its leading features."

Sir William then proceeded to explain the Geological Map, and illustrated, first, the conformity of the physical structure of the country to its geography; secondly, the difference in conditions between the eastern and western troughs of North America which run through Canada; and thirdly, a circumstance which is considered a very striking one in regard to the physical structure of Canada; the want of all the formations which exist between the Laurentian rocks and the Upper Silurian, viz., the whole of the Lower Silurian rocks on the north side of the granite ridge. He had learned, while in Europe, that this last circumstance was applicable also to Russia. These facts, proving the existence of land round the North Pole, at the time of the deposit of the Lower Silurian, were three great scientific facts which have been brought out by the examination made by himself and his associates in Canada.

The Wollaston Medal, and the Gold Medal of Honor received by Sir William from the Emperor of France, were then produced for the inspection of the Members, along with a work containing the sketch of the Geology of Canada, which he had considered it proper to prepare and present to the Jury of the first class, as explanatory of the Geological Map in the Paris Exhibition.

The following Papers were then read :

1. By Paul Kane, Esq.—
"On the Habits and Customs of the Walla-Wallas, one of the North American Indian Tribes," from the Journal of the Author.
2. By Professor Chapman :—
"Brief Notes by Lieutenant Maury, of Washington, on some comparative phenomena of the North and South Atlantic Oceans."
3. By Professor Chapman :—
Some fossil specimens from the Crimea examined and described.

* The Geological Map of Upper Canada, published in the Journal, Old Series, Vol. II, p. 1, to illustrate Sir William Logan's paper, "On the Physical Structure of the Western District of Upper Canada," which occupied one side of the Hall was here referred to. On the other was hung the large Parisian Geological Map of the whole Province, and the neighbouring districts, which he employed in illustrating the peculiar physical structure and geological formations both of Upper and Lower Canada, as established by the labours of the Geological Survey.