

stance invite the attention of our readers, leaving the remaining two to be taken up in succession, as they happen to be found connected with each other. And it so happens that circumstances have occurred which may, in the course of our remarks, induce us to volunteer a somewhat similar act of justice to the well earned reputation of the gentleman who conducts the Chemical and Mineralogical Department of the Survey, as we on a former occasion felt due to its general Director.

Suffice it, then, for the present, to premise, with regard to the results of the three seasons under review,—that, during the Geological investigations of the first year, namely 1847-8, the labours of Mr. Murray were devoted to an examination of part of the shores of Lake Huron;* and those of Mr. Hunt to the chemical analysis of various minerals and mineral waters collected by himself on two different occasions—one up the Ottawa, and the other to the western extremity of Lake Ontario—besides that of various mineral substances obtained during the explorations of Messrs. Logan and Murray;† while Mr. Logan's own attention was engaged in an examination of the tract of country on the south side of the St. Lawrence, extending from the vicinity of Montreal and Lake Champlain to the River Chaudière, and in which he also availed himself of the temporary aid of Mr. Hunt: that during the second season, Mr. Murray continued his examination of various parts of the coast of Lake Huron, besides personally assisting Mr. Logan;‡ and Mr. Hunt, in addition to aid afforded to Mr. Logan, continued the analysis of various minerals and mineral ores existing in both sections

of the Province;§ while Mr. Logan, besides being occupied three months on the north shore of Lake Huron, employed a portion of his time in company with Mr. Hunt, in the examination of certain *test facts* bearing on the physical structure of the Green Mountains of Vermont, in their prolongation into Canada, (as set forth in the previous Report,) as also in the vicinity of St. Francis, preparatory to continuing his investigations to the Temiscouata portage road: and that during the third season (i.e. 1849-50) Mr. Logan's attention was directed to the resumption of a careful examination of these formations, aided during the whole time by Mr. Murray, and during a part of it by Mr. Hunt, who (a description of the *soils* of the country being one of the objects contemplated by the Legislature) was further employed in collecting samples in different parts of both sections of the Province, for analyses during the winter.* In addition to which, Mr. Logan, having learnt that an application had been made to Parliament for the means of prosecuting researches for *coal*, by the expensive process of boring, in the vicinity of Bay St. Paul, where the discovery of supposed indications of that mineral had been proclaimed by some of the inhabitants, and that Government were desirous that the Geological character of that locality should be examined, took the opportunity of devoting two weeks to the investigation of the rocks in that particular neighbourhood, as also of those of Murray Bay, which presents features of a similar kind, so as to set the matter at rest.

To do justice to the important and valuable results of these wide spread, and, of necessity, unfortunately often isolated and disjointed investigations,

* See Report for 1847-8, p. 93 to 124.

† See Report for 1847-8, from 125 to 165.

‡ See Report for 1848-9, p. 7 to 46.

§ See Report of 1848-9, p. 46 to 65.

* See Report for 1849-50, p. 73 to 108.