

from 1863-68 ; Naturalist and Medical Officer on the Government Expeditions to Hudson Bay, 1884 and 1885 ; Royal Commissioner on the Mineral Resources of Ontario, in 1888. He is distinguished for his services in Canadian geology, having worked over large sections of the Dominion east of the Rocky Mountains ; has made extensive researches among the Laurentian and Huronian rocks, and also in reference to glacial phenomena ; has added materially to our knowledge of the zoology and botany (more especially of the forestry) of Canada. His writings include upwards of twenty official reports, some accompanied by maps, of geological surveys between 1857 and 1896, giving the results of explorations on both sides of Hudson Bay and Straits, along the principal waters between the Upper Great Lakes and James's Bay, and of those between the Winnipeg Basin and Hudson Bay ; the first survey of Lake Nipigon, geological surveys of the Canadian shores of Lakes Ontario, Erie, Huron and Superior, and in the North-west Territories and the Athabasca region, the Thunder Bay and Sudbury mining districts, the Gaspé peninsula, and in other parts of the extensive regions of Canada. These reports cover about one thousand pages royal octavo. Among many additional publications may be mentioned : "The Causes of the Fertility of the Land in the Canadian North-West Territories," "The Petroleum Field of Ontario," "The Huronian System in Canada," "Glacial Phenomena in Canada," "The Geology of Ontario with Special Reference to Economic Minerals," "The Laurentian and Huronian Systems north of Lake Huron," "The Origin of Gneiss," "The Forests of Canada," "Forest Fires in Northern Canada," "The Labrador Peninsula," "Recent Explorations South of Hudson Bay," "The Geographical Distribution of Forest Trees in Canada."

Dr. R. Bell's supplementary certificate (1897, states that he has been connected with the Geological Survey of Canada for forty years, and up to February 1897, has published 135 scientific papers, reports, &c., besides abstracts of 42 others read by the author. The titles of most of these are published in the Transactions of the Royal Society of Canada for 1894.

His certificate was signed by sixteen Fellows from personal knowledge, among them being Sir Archibald Geikie, Prof. Crum-Brown, Sir William Turner, Prof. Bonney, Lord Kelvin, Sir William Dawson and Sir Frederick Abel.