which are being brought into the city on north side.

Mr. Johnston has completed the dra of a large wall map of the Dominio Canada, which is nov passing throug press of the Burland-Desbarats L graphing Co., in this city, having been p lithographed by them. This map is l commended for comprehensivenes accuracy.

We are indebted to Andrew Russell of the Census Department for infor relating to the boundaries of Electo visions in Ontario, and to Alfred Esq., clerk of the House of Comr Ottawa for the loan of tracings of th map of Lower Canada, deposited Dominion Archives at Ottawa. both these gentlemen for many c attentions while collecting materia tawa.

Mr. Thomas Devine, Surveyo Crown Land Office, Toronto, has maps of Surveys published by th ment for the Province of Ontario

Lieut. Col. G. Dennis, Survey has furnished the maps of the of Manitoba and British Colum have been reproduced for this A

Many other persons have kind valuable information on a variet connected with the work. Am whom we are thus indebted a of several of the Departments a their assistants, Superintenden Engineers of many of the R panies, City Engineers, Pro Surveyors in Ontario and masters, and many other publ private individuals.

To each of those who have us, without attempting to mer names, we tender sincere th

Railway and Steamboa

We take occasion here with gratitude the univers liberality of the officers of way and Steamboat Comp the country towards our c scarcely an exception, the free passes while engaged of the work, and have, in manifested their interest are especially due to t Great Western, Canada Vermont, and South E Canada, and to the Ro Ogdensburg, Northern and Maine, Boston, L Boston, Concord and sumpsic Railroads in th to the Canadian Navig lieu Co. and the Otta Co.

ptive Memoirs.

ate our patrons upon the le series of descriptive me- cede the maps in this work. was commenced, twenty ted for this part of the work, gradually extended as the l, until it now includes nearly ges, equivalent to about five ry octavo pages.

s of the memoirs are more or connected with the general ork, which aims at a compre- tation of the entire Dominion, inent physical and civil fea- authors will be generally re- minently qualified for the tasks erformed by great familiarity cial subjects treated, as well as scientific and literary ability. having been set up in type yped about in the order of its om the author, no regular se- been preserved.

phy and Physical Geography.

st paper on the Topography and Geography of the Province of On- l Quebec is by Dr. T. Sterry ho acquired the high scientific n which he now enjoys during the ears or more that he was engaged st to the Geological Survey of Ca- He has recently resigned that posi- taken the chair of Geology in the usetts Institute of Technology at The paper, though brief, is com- ive, and presents in a bold outline ll the prominent features of Canadian phy, as seen from a geologist's point . It finely illustrates the intimate tion between the geology and topo- y of a country.

Geology.

here are several papers upon the Geo- of the different Provinces. The first y Mr. Robert Bell of the Geological vey, describing the rock formations of ario and Quebec. It gives a résumé of results arrived at through the laborious arches of the Survey during the past ty years. During nearly all of this iod the Survey was carried on under the ection of Sir Wm. E. Logan, who, though ving in 1869 resigned his directorship, ll continues to manifest great interest in and devotes much of his time to the re- arches connected therewith. The present irector of the Survey, Mr. Alfred R. C. elwyn, formerly of the British Geological Survey, and for many years Director of the Geological Survey of the Province of Victoria in Australia, succeeded Sir William in 1869.

The following list comprises the present staff of the Survey:

A. R. C. Selwyn, F.R.S., F.G.S., Director.
B. J. Harrington, Ph. D., Chemist and Mineralogist.
E. Billings, F.G.S., Palæontologist.

James Richardson,
Robert Bell, F.G.S.
H. G. Vennor, F.G.S.
Walter McOuat, B.A.
Charles Robb, C.E.
Arthur Webster,
Scott Barlow,
H. Y. L. Brown,
Robert W. Ells,
} Field Geologists and Explorers.

Robert Barlow, Chief Draughtsman,
G. R. Grant, Accountant,
John Marshall, Clerk,
Thomas C. Weston, Lapidary and Collector,
Christian Hoffman, Assistant Chemist,
Joseph White, Librarian,
Michael McFarren, housekeeper,
} Office and Museum Staff.

Referring to the paper of Mr. Bell, it will be seen that all the rocks of Upper and Lower Canada, except those belonging to what is called the Superficial Geology, are of very remote antiquity, no later rocks than those of Devonian age being found.

Within the boundaries of the Dominion, and extending towards its northern limits—the Arctic Ocean—are found the oldest rocks in the known world, with evidences that here was the land which became earliest elevated above the level of what was then, probably, an universal ocean. The earliest remains of animal life, the "Eozoon," together with some strong indications of vegetable life, are found in these ancient Laurentian rocks, and have excited intense interest among geologists.

The sketch of the Geology of Nova Scotia by Hugh Fletcher gives an interesting description of the formations of that Province, which include the Carboniferous rocks and many valuable beds of Coal. Some account is given of the Iron and Coal deposits, already very important sources of wealth, and the Gold deposits, which bid fair to become so in the future.

New Brunswick Geology is represented in a sketch by Mr. M. H. Perley, who describes the general formations, with some account of the Mines, Minerals and Quarries of the Province.

A valuable set of tables giving Mining Statistics for the entire Dominion, prepared by Mr. Chas Robb of the Geological Survey, completes the series of Geological Papers.

Geological Map.

This map, which will be found on pages 14 and 15, has been prepared from information furnished by Mr. Selwyn, the Director of the Geological Survey. The map covers all of the British Possessions in North