

of the Quebec group of rocks were mainly based. It marks an era in the Lower Silurian Geology of Canada, and illustrates the pre-eminent value of fossils as guides to the ages of rocks.

4. *Kemp, visit to Acton Copper Mine.*—A good popular exposition of the Geology of this very interesting mining district.
5. *Dawson, on the Earthquake of 17th October, 1860.*—A collection of facts relating to the shock as experienced in Canada; with notices of the general phenomena of Earthquakes, and of former Earthquakes in this Province.
6. *Billings, on certain theories of the formation of mountains.*—A very good exposition of the prevailing views, with some valuable theoretical deductions.
7. *Bradley, New Trilobite from Potsdam Sandstones.*—Supplementary to Mr. Billings's Paper, No. 3.
8. *Bell, on Freshwater Shells, in the Tertiary deposits of Canada.*—Interesting new facts respecting the fossils of the Pleistocene deposits; and tending especially to explain the peculiarities of those in Upper Canada, referred to in previous papers in the *Canadian Naturalist*.
9. *Dawson, on the Geology of Murray Bay.*—The local Geology of a very interesting region, showing the characters of several important formations in very good natural exposures.
10. *Logan, on the Lower Silurian Rocks of Lake Superior and Quebec.*—A lucid explanation of the new views entertained by Sir William Logan respecting the age of the Quebec group of rocks, and of the facts in the Silurian Geology of Lakes Huron and Superior, recently obtained by the Survey, with very important general deductions respecting the physical conditions of Eastern America during the Lower Silurian period.

ZOOLOGICAL PAPERS.

1. *Saunders, on Menobranchus lateralis.*—Interesting observations on the habits of a most curious Batrachian reptile.
2. *Vennor, on Birds wintering in and around Montreal.*—Some good observations by a very promising young naturalist; and showing a much larger number of winter residents and visitors than most persons are aware of.
3. *Ross, on Fur-bearing animals of the McKenzie River Settlement.*—Full of curious new facts about the habits of North American mammalia.