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NOTES ON POST-PLIOCENE DEPOSITS AT RIVIERE-  
DU-LOUP AND TADOUSSAC.

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In looking over, last winter, some of the collections made by Prof. Bell, of Kingston, when engaged in the service of the Geological Survey of Canada, I was struck with a small collection of Post-pliocene shells from Rivière-du-Loup,\* as presenting a somewhat singular grouping of species; and having a few holiday weeks to spend at Cacouna, I determined to ransack thoroughly the deposits which had afforded these specimens.

The country around Cacouna and Rivière-du-Loup rests on the shales, sandstones, and conglomerates of the *Quebec group* of Sir W. E. Logan. As these rocks vary much in hardness, and are also highly inclined and much disturbed, the denudation to which they have been subjected has caused them to present a somewhat uneven surface. They form long ridges running nearly parallel to the coast, or north-east and south-west, with intervening longitudinal valleys excavated in the softer beds. One of these ridges forms the long reef off Cacouna, which is bare only at low tide; another, running close to the shore, supports the village of Cacouna; another forms the point which is terminated by the pier; a fourth rises into Mount Pilote; and a fifth stretches behind the town of Rivière-du-Loup.

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\* See Geology of Canada, p. 921, where, however, only a portion of the species collected are mentioned.