

The next areas of the Laurentian rock, which occur in a westward direction, are found in the township of Grenville, on the Ottawa River, Province of Quebec, where it is massive and nearly pure. Its colour is generally pale-yellowish, wax-yellow, or greyish-green, unless it has been penetrated in parts by red peroxyd of iron. In the serpentine of this township have been found very good specimens of *Eozoon Canadense*. A white lamellar dolomite from this township contains a large proportion of grains of honey-yellow serpentine.

Serpentine rocks analogous to these last are found in the seigniory of La Petite Nation, which adjoins the Township of Grenville. The serpentinous structure of the *Eozoon Canadense* is beautifully shown in many places in this seigniory, and the best specimens of that fossil exhibited in our museum were first collected there by Mr. James Lowe, who was for some time attached to the Geological Survey staff. Proceeding westward we find serpentinous rock in the Township of Templeton, where it is associated with the so well known mineral apatite. About 50 miles farther west, at the Calumet Falls, on the Ottawa River, pale green serpentine, associated with brown phlogopite and apatite, in a white crystalline limestone, has been described under the name of loganite. To trace the Laurentian serpentine westward we shall have now to cross the Ottawa River and enter the Province of Ontario, where it is first seen in the Township of Ramsay, Lanark County, and about 30 miles south-west of the Township of Templeton. It appears there sometimes of a beautiful amber-color, and in some parts of the township the mineral occurs entirely as disseminated grains through a pure white carbonate of lime, while in others it is distributed in lumps or patches from the size of a pea to that of a medium sized cannon ball. We find very analogous serpentine in Lanark township, and where this mineral is interstratified with the limestone, it forms a rock of striking beauty. On lots 23 and 24, range 3, Township of Dalhousie, the serpentine is interlaminated with a finely granular and brown-weathering crystalline limestone, which, on its weathered surfaces shows forms very much resembling *Eozoon*. Similar limestone, without *Eozoon* structure, is found on lots 26 and 27, range 2.

In the township of South Sherbrooke, which lies due south of the township of Dalhousie, can be seen spotted serpentine limestones which