of that period, as yet altogether unknown to us in its forms and structures.

- (2.) A very interesting specimen, found last autumn by Messrs. Richardson and Weston, at Petite Nation, has enabled me to delineate, in a recent paper, the inverted conical form of a perfect small specimen of Eozoon, and also to show that the acceptaline chambers on its upper surface are precisely similar to those small aggregations of spherical chambers resembling Globigerinee, and to which I have given the name Archeospherinee; so that these may not improbably be loose chambers or germs of Eozoon.
- (3.) Mr. W. J. Morris of Perth, Ontario, has in the past summer found abundant specimens in situ of Eozoon mineralized with Loganite, in the original locality at Burgess. These specimens show that the Burgess variety is on the whole thicker and more continuous in its sareode chambers, and less developed as to the separating walls than the Grenville and Petite Nation specimens. These new specimens from Burgess have also enabled me for the first time to detect in their dolomitised walls traces of the canal system, into which, however, the Loganite does not penetrate. In some in which the dolomite is mixed with calcite, there is also an extremely minute granular structure, which I believe to indicate an originally porous character of the cell-wall, of which only obscure indications exist in other specimens.
- (4.) Mr. G. F. Matthew has sent to me from the Laurentian of Lily Lake, near St. John, New Brunswick, specimens of a dolomitic limestone containing fragments of the skeleton of Eozoon, showing the eanal system. This is the first recognition of this fossil in the Laurentian of New Brunswick. A notice of the faet has appeared or will shortly appear in "Silliman's Journal."
- (5.) Recent explorations by Mr. Vennor of the Geological Survey have thrown further light on the precise geological horizon of Eozoon in the great Laurentian system. In Sir William ogan's original sections on the East side of the Ottawa, the lowest rock represented is a great thickness of orthoclase gneiss, corresponding probably to the fundamental or Bogian gneiss of the Seandinavian and Bavarian geologists. Above this is a very thick limestone, that of Trembling Lake, which has afforded no fossils. Next is another vast thickness of gneissic beds. Then comes a second limestone, also non-fossiliferous as yet, that of Green Lake. Then another gneissic series and a third limestone, that of Grenville,

