

probable that the study of their specific forms may aid us in finding its horizon.

"The bryozoa furnish to the second group a form of *Dictyonema*; a type which although signalized in the Primordial Zone of different countries, does not appear to be confined to that horizon. The specific nature of the form in question has not yet been determined.

"In conclusion we may say that the association of *Agnostus* with the various other genera which we have just passed in review, seems to shew in a positive manner that the second group belongs to the second fauna. This conclusion may be extended with still greater reason to the group No. 3, which contains only the genus *Asaphus*, represented by two species. This type has never been signalized either above or below the second fauna, of which it constitutes one of the most marked and most constant characters. The second and third groups considered palæontologically, then represent simply phases of the second fauna.

"The 4th group only containing two types, *Orthis* and *Tetradium*; the latter, a polyp, presents no certain sign enabling us to give the epoch to which it belongs. The palæontological data furnished by Mr. Billings, considered apart from the stratigraphical relations yet to be determined between the four groups, lead us to recognize the existence both of the primordial and the second fauna in the calcareous rocks of Point Levis. It is important to remark that these faunas, although occurring in beds very near each other, have as yet offered but few evidences of connection, since Mr. Billings has only indicated two species common to the groups 1 and 2.

"Such are the only deductions which we believe ourselves entitled to draw from the interesting facts above mentioned. We do not wish to pass the limits of the most prudent reserve in the case, because the facts briefly expressed by Mr. Billings in the introduction of his descriptions of the Point Levis fossils, indicate that there are some difficulties yet to be resolved. We observe in the first place, that all these limestones, without distinction, are indicated as being intercalated in a great schistose formation, which has furnished about thirty forms of graptolites, and other analogous fossils, with two *Lingulas*, one *Orthis*, one *Discina*, and one small unknown trilobite. It would be very important to