TABLE SHOWING THE TRUE HISTORIC CLASSIFICATION AND ORDER OF DISCOVERIES OF THE LOWER PALÆOZOIC ROC''S.

| | SEDGWICK. 1835-51-52-55. | MURCHISON. 1835-39-54-58-67. | EMMONS. 1837-42-44-55-60. | BARRANDE. 1846-51-52-57-58-59-60-61-80. | MARCOU. 1860-61-62-81-85. | LAPWORTH. 1879. | WALCOTT. 1886. |
|---|---|---|---|---|---|---|---|
| THIRD FAUNA. | Silurian system or Wenlock and Ludlow groups. | Upper Silurian. | | Silurien supérieur Faune troisième. | Silurian. | Silurian. | Silurian. |
| SECOND FAUNA. | Upper Cambrian System or Bala group; fossils found and signalized in 1835. | Lower Silurian; fossils identical with those found by Sedgwick in his Upper Cambrian. | Champlain group, with the Potsdam as the base. Fossils. 1837-42. | D. Etage des quartzites du Silurien Inférieur. Faune seconde. Colonies. | Cambrian. | Ordovician. | Ordovician or Lower Silurian. Second fauna of Barraude or the Trenton fauna. |
| FIRST OR PRIMORDIAL FAUNA. | Middle Cambrian or Festiniog group. A few *Graptolites* and *Lingula* found and described in 1851-52.<br><br>Lower Cambrian or Longmynd and Bangor groups. No fossils. | Primordial or Lower Silurian rocks. 1854.<br><br>In 1867. Murchison concedes as Cambrian rocks, only the Longmynd, but claims the Primordial zone as Lower Silurian. | Taconic System. No fossils yet in 1842.<br><br>In 1844, fossils are found and described as a special fauna; *Atops* (*Conocephalites*); *Elliptocephala* (*Olenellus*) and *Diplograptus*.<br><br>In 1855, the number of fossils is increased; and in 1860 Emmons regards the Upper Taconic as the Primordial zone of Bohemia. | C. Etage des Schistes protozoiques du Silurien Inférieur. 1846, the term "Primordial fauna" is used and explained. 1861, Barraude says: "it is clear that Dr. Emmons has first announced the existence of a fauna anterior to that which has been established in the *Silurian system*." | Taconic System. In 1860, Marcou puts the Potsdam in the upper part of the Taconic.<br><br>In 1885, three faunæ divide the Taconic. 1st, the Supra-Primordial = *Dikelocephalus* zone; 2d, the Primordial = *Olenellus* and *Paradoxides* zones; and 3d the ante- or Infra-Primordial zone. | Cambrian. | Cambrian divided into Upper Cambrian = Potsdam or *Dicellocephalus:* Middle Cambrian = Georgia or *Olenellus;* Lower Cambrian = St. John series, Newfoundland and Braintree, Mass., or *Paradoxides*. |