

A circumstance affecting this comparison is that more abundant collections were made from the Etchemin terrane than from the Coldbrook, and as the size of the largest valves is recorded in the description of the species, this would give the Etchemin species an advantage as regards comparative size. But even after eliminating this possible occasion of a greater than the natural difference, there remains enough variation to prove an increase in size of the Brachio-pods as time went on.

For the purpose of checking this result, an examination was made more in detail of the last four of the genera named above, as they are represented by species in the Etcheminian terrane, from which it will be seen that an increase in size is noticeable in all these genera, as they pass through the Etchemin terrane. The assise where each species occurs is given in the margin of the following table. The assises occur in the following order from below upward, the Coldbrook being the lower terrane.

Co: FOSSILIFEROUS SHALE OF THE		COLDBROOK TERRANE	
E. 1 a	}	Division 1	Lower Fauna
E. 1 b			
E. 1 c			
E. 1 d			
E. 1 e			
E. 2 a	}	Division 2	Etchemin Terrane
E. 2 b			
E. 2 c			
E. 3 a	}	Division 3	Upper Fauna
E. 3 b			
E. 3 c			
E. 3 d			
E. 3 e			
E. 3 f			

The fauna of the two lower divisions of the Etcheminian is distinct by its species from that of the upper division, and to some extent also by the genera.