

Middle Cambrian faunas, I will be glad to have my attention called to them. I also wish to obtain information of the occurrence of Cambrian fossils and of the places where perfect or rare specimens may be seen or obtained for study and illustration. Any information will be acceptable, and the completeness of the work and its value to the student will be increased by such assistance.

SUMMARY OF THE CAMBRIAN FAUNAS OF NORTH AMERICA.

§ 130. In the accompanying table a summary is given of the Cambrian faunas of North America, as far as known to me, up to the present date. A critical study of the Upper Cambrian faunas will eliminate some of the genera and species, and also add others. The study of the Lower Cambrian fauna of New Brunswick is now being carried forward by Mr. G. F. Matthew, and that of the Upper Cambrian by myself, and probably within two years the Cambrian fauna of North America will be known to include more than 100 genera and 400 species, as to-day there are 92 genera and 393 species published that I have included in the fauna. Besides these there are a number of genera and species not included that may not be based on organic remains or are synonyms of some of those that are included.

Summary of the Cambrian faunas of North America, by genera.

	Lower.	Middle.	Upper.	No. of genera.	No. of species.
ALGÆ.					
Cruziana		x-1	x-1	1	2
Paleochorda			x-1	1	1
Paleophycus		x-2	x-4	1	6
Totals		2-3	3-6	3	9
SPONGIÆ.					
Archæocyathus	† 1	x 3		1	4
Eocoryne	x 1			1	1
Ethmophyllum		x 4		1	4
Leptomitus		x 1		1	1
Protospongia	x 1	x 1	x 1	1	2
Strephochetus		x 1		1	1
Totals	3-3	5-10	1-1	6	13
HYDROZOA.					
Climacograptus ?		x 1		1	1
Dendrograptus	x 1		x 1	1	2
Diplograptus		x 1		1	1
Protograptus	x 1			1	1
Totals	2-2	2-2	1-1	4	5
CRINOIDEA.					
Eocystites	x 1	x 2	1-1	1	3
ANNELIDA.					
Arenicolites	† 1	† 1	x 2	1	4
Scolithus			x 1	1	1
Totals	1-1	1-1	2-3	2	5