

much wider geographical range than *Metacrinus*, also extends to a greater depth; while the same contrast, including also thermal range, may be noticed between *Antedon* and the stalked Crinoids generally. It is somewhat singular that this widely distributed genus, which was dredged at 2900 fathoms in the Pacific and at 2600 fathoms in the Southern Sea, should not have been met with between the latter depth and 1600 fathoms.

C. THE ASSOCIATION OF THE GENERA AT PARTICULAR STATIONS.

The mode of grouping of the various genera of Crinoids, both stalked and free, which have been obtained at different Stations and by the exploring expeditions of various countries, presents some points of interest. The Challenger dredged Comatulæ at forty-five Stations, and stalked Crinoids at sixteen. If the different North Atlantic expeditions of the British and Norwegian Governments be also reckoned, this last number rises to 28.

A single species of stalked Crinoid was found at several Stations, unaccompanied by any Comatulæ, as shown in the following Table.

TABLE IV.—Showing the number of times that Isolated Species of Stalked Crinoids have been Dredged.

	<i>Rhizocrinus.</i>	<i>Bathycrinus.</i>	<i>Hyocrinus.</i>	<i>Pentacrinus.</i>	<i>Metacrinus.</i>
Challenger—	3	1	1 (young? <i>fide</i> C.W.T.)	...	1
North Atlantic Expeditions—					
1. British.	7	1	...	1	...
2. Norwegian.	...	4

At eleven Stations during the Challenger and "Porcupine" Expeditions which yielded stalked Crinoids, there were either more than one species, or if only one was obtained it was associated with one or more species of Comatulæ (see Table V.). *Pentacrinus* has been found associated with all the Comatulid genera except *Thaumatoocrinus*, which was only obtained once in the Southern Sea, considerably beyond the most southern limit of *Pentacrinus*.

The "Blake," however, dredged *Pentacrinus* in shallower water than was worked by the Challenger; and found it associated with *Actinometra* at nine out of the fifty-four Stations at which stalked Crinoids were obtained (see Table VI.). As in the case of the Challenger and "Porcupine," the two species of *Rhizocrinus* were never found at the same Station.