

GEOGRAPHICAL DISTRIBUTION OF THE CHALLENGER  
HEXACTINELLIDA.

After the above brief summary of the most important facts in regard to distribution known before, and independently of the Challenger Expedition, I may proceed to an account of the results which are now available.

I shall first give a tabular survey of all those stations of the Challenger Expedition at which Hexactinellida were obtained, including notes of the distribution in depth, the nature of the ground, and the number of specimens. The stations are arranged according to the route of the expedition, and I have also noted the distribution on the map accompanying this Report, in such a way that the marks indicate at least the great division, and as a rule the family to which the species in question belong.

TABLE III.—LIST OF HEXACTINELLIDA COLLECTED DURING THE CHALLENGER  
EXPEDITION, ARRANGED ACCORDING TO STATIONS.

Station.	Locality.	Depth in Fathoms	Nature of Bottom.	Bottom Temperature F°.	Species.	No. of Specimens.
IV.	South-east of Cape St. Vincent,	600	Blue mud, . . .	...	1. <i>Euplectella suberea</i> , Wyv. Thomson, . 2. <i>Hyalonema lusitanicum</i> , Barboza du Bocage,	1 1
V.	West of Gibraltar, . . . .	1090	Globigerina ooze,	38.5	1. <i>Euplectella suberea</i> , Wyv. Thomson, .	1
3	South-west of Canary Islands,	1525	Hard ground, . .	37.0	1. <i>Poliopogon amadou</i> , Wyv. Thomson, .	2
23	Off St. Thomas, West Indies, .	450	Pteropod ooze, . .	...	1. <i>Aphrocallistes bocagei</i> , Perc. Wright, . 2. <i>Chonelasma</i> sp., . . . . . 3. <i>Farrea</i> sp., . . . . .	1 1 1
24	North of St. Thomas. West Indies,	390	Pteropod ooze, . .	...	1. <i>Hyalonema toxeres</i> , Wyv. Thomson, . 2. <i>Farrea occa</i> , Carter, . . . . . 3. <i>Aphrocallistes bocagei</i> , Perc. Wright, . 4. <i>Myliusia callocyathus</i> , Gray, . . . .	3 few 1 1
33	East of Bermudas, . . . .	435	Coral mud, . . . .	...	1. <i>Lefroyella decora</i> , Wyv. Thomson, .	2
56	South-west of Bermudas, . .	1075	Coral mud, . . . .	38.2	1. <i>Euplectella nodosa</i> , F. E. S., . . . . 2. <i>Rhabdodictyum delicatum</i> , F. E. S., . 3. <i>Aulocalyx irregularis</i> , F. E. S., . . . 4. <i>Farrea</i> sp., . . . . . 5. <i>Aphrocallistes bocagei</i> , Perc. Wright, 6. <i>Chonelasma</i> sp., . . . . . 7. <i>Dactylocalyx patella</i> , F. E. S., . . .	1 2 1 1 several 1 2
73	West of Azores, . . . . .	1000	Pteropod ooze, . .	39.4	1. <i>Hyalonema (Stylocalyx) thomsoni</i> , F. E. S.,	1
94	South of Cape Verde Islands,	1150	Volcanic mud, . .	...	1. <i>Sympagella nux</i> , O. Schmidt, . . . .	1
124	East of Rio San Francisco, Brazil	1600	Red mud, . . . .	...	1. <i>Euplectella suberea</i> , Wyv. Thomson, . 2. <i>Pheronema carpenteri</i> , Wyv. Thomson,	1 1