

GEOGRAPHICAL DISTRIBUTION.

HISTORY.

A careful synopsis of the habitats of all the Hexactinellida definitely known in 1873 is given by Carter in his memoir On the Hexactinellidæ and Lithistidæ.¹ The results of Carter's summary are tabulated here with several additions, and with the use of the specific designations which I have adopted.

Species.	Locality.
1. <i>Euplectella aspergillum</i> , Owen.	Philippines.
2. <i>Euplectella cucumer</i> , Owen.	Seychelles.
3. <i>Habrodictyum speciosum</i> , Wyville Thomson.	Moluccas.
4. <i>Asconema setubalense</i> , Sav. Kent.	Portugal.
5. <i>Sympagella nux</i> , O. Schmidt.	Florida.
6. <i>Lanuginella pupa</i> , O. Schmidt.	Cape Verde Islands, St. Iago.
7. <i>Polylophus philippinensis</i> , Gray.	Philippines.
8. <i>Rossella antarctica</i> , Carter.	Antarctic Sea (South Pacific).
9. <i>Rossella velata</i> , Wyville Thomson.	South of Færøe Islands.
10. <i>Crateromorpha meyeri</i> , Gray.	Philippines, Zebu.
11. <i>Hyalonema sieboldii</i> , Gray.	Japan.
12. <i>Hyalonema lusitanicum</i> , Bocage.	Portugal.
13. <i>Pheronema annæ</i> , Leidy.	Santa Cruz, West Indies.
14. <i>Pheronema carpenteri</i> , Wyville Thomson.	South of Færøe Islands.
15. <i>Pheronema grayi</i> , Sav. Kent.	Portugal.
16. <i>Pheronema hemisphærica</i> , Gray.	Philippines, Zebu.
17. <i>Semperella schultzei</i> , Semper.	Philippines, Zebu.
18. <i>Farrea occa</i> , Carter.	Seychelles.
19. <i>Farrea</i> sp. (<i>woodwardi</i> , Sav. Kent).	Portugal.
20. <i>Farrea</i> sp. (<i>facunda</i> , O. Schmidt).	Between Florida and Cuba.
21. <i>Farrea</i> (?) <i>infundibularis</i> , Carter.	Caribbean Sea, West Indies.
22. <i>Eurete</i> sp. (<i>simplicissima</i> , Semper).	Philippines, Zebu.
23. <i>Aphrocallistes bocagei</i> , Wright.	Portugal.
24. <i>Aphrocallistes beatriz</i> , Gray.	Malacca.
25. <i>Fieldingia lagettoides</i> , Sav. Kent.	Portugal.
26. <i>Dactylocalyx pumiceus</i> , Stutchbury.	Barbados, West Indies.
27. <i>Dactylocalyx subglobosus</i> , Gray.	Malacca.
28. <i>Myliusia callocyathus</i> , Gray.	West Indies.
29. <i>Aulocystis grayi</i> , Bowerbank.	St. Vincent, West Indies.

¹ *Ann. and Mag. Nat. Hist.*, ser. 4, vol. xii. p. 349.