

DESCRIPTION OF GENERA AND SPECIES.

Class CEPHALOPHORA, Blain., 1816.

Sub-class SCAPHOPODA, Bronn, 1862.

Order SOLENOCONCHIA,¹ Lacaze-Duthiers, 1857.

Family DENTALIACEA, Römer, 1836.

Genera. 1. *Dentalium*, Linne. 2. *Siphodentalium*, G. O. Sars. 3. *Cadulus*, Philippi.

1. *Dentalium*, Linne, 1758.

Species.

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| 1. <i>Dentalium capillosum</i> , Jeffr. | 10. <i>Dentalium longitrossum</i> , Reeve. |
| 2. <i>Dentalium ægeum</i> , Wats. | 11. <i>Dentalium compressum</i> , Wats. |
| 3. <i>Dentalium amphialum</i> , Wats. | 12. <i>Dentalium subterfissum</i> , Jeffr. |
| 4. <i>Dentalium keras</i> , Wats. | 13. <i>Dentalium didymum</i> , Wats. |
| 5. <i>Dentalium diarrhoæ</i> , Wats. | 14. <i>Dentalium yokohamense</i> , Wats. |
| 6. <i>Dentalium entalis</i> , Linne. | 15. <i>Dentalium dentalis</i> , Linne. |
| 7. <i>Dentalium leptoskeles</i> , Wats. | 16. <i>Dentalium javanum</i> , Sow. |
| 8. <i>Dentalium circumcinctum</i> , Wats. | 17. <i>Dentalium ensiculus</i> , Jeffr. |
| 9. <i>Dentalium acutissimum</i> , Wats. | 18. <i>Dentalium tornatum</i> , Wats. |

1. *Dentalium capillosum*, Jeffreys (Pl. I. fig. 1).

Dentalium capillosum, Jeffreys, "Valorous" Report, Proc. Roy. Soc., vol. xxv. No. 173, 1876, p. 191.
No. in list 26.

- " " Jeffreys, "Valorous" Moll., Ann. and Mag. Nat. Hist., 1877, ser. 4, vol. xix. p. 153.
" " Watson, "Challenger" Moll., Prelim. Report, pt. 2, Journ. Linn. Soc. Lond.,
vol. xiv. p. 508.
" " Jeffreys, "Lightning" and "Porcupine" Moll., Proc. Zool. Soc. Lond., 1882,
p. 658, No. 4, pl. xlix. fig. 1.

Station II. January 13, 1873. Lat. 38° 10' N., long. 9° 14' W. Setubal. 470 fathoms. Green mud.

(?) Station 24. March 25, 1873. Lat. 18° 38' 30" N., long. 65° 5' 30" W. Off Culebra Island, West Indies. 390 fathoms. Pteropod ooze.

Station 73. June 30, 1873. Lat. 38° 30' N., long. 31° 14' W. W. of Azores. 1000 fathoms. Pteropod ooze. Bottom temperature, 39°·4.

Station 78. July 10, 1873. Lat. 37° 26' N., long. 25° 13' W. Off San Miguel, Azores. 1000 fathoms. Volcanic mud.

¹ Lacaze-Duthiers gives this only in the form of "Solénoconques," leaving others to put it into Latin for themselves: it appears accordingly as *Solenconchia* and *Solenconchæ*. Of these the former has been preferred here as more in analogy with the other names of orders.