

was not large. The Challenger collection contains altogether twenty-five species, including one deep-sea form of the greatest interest (*Bathydoris abyssorum*).

The following is a list of the species :—

1. *Phylliroë atlantica*, Bergh.
2. *Acura pelagica*, Adams.
3. *Acura lanceolata*, Bergh.
4. *Fiona marina*, Forskål.
5. *Glaucus atlanticus*, Forster.
6. *Janolus australis*, n. gen. and sp.
7. *Cuthonella abyssicola*, n. gen. and sp.
8. *Rizzolia australis*, n. sp.
9. *Scyllæa pelagica*, Linné.
10. *Bornella excepta*, n. sp.
11. *Tritonia challengeriana*, n. sp.
12. *Marionia occidentalis*, n. sp.
13. *Ohola pacifica*, Bergh.
14. *Euplocamus pacificus*, Bergh.
15. *Chromodoris striatella*, Bergh.
16. *Chromodoris runcinata*, Bergh.
17. *Ceratosoma cornigerum*, Adams.
18. *Archidoris kerguelenensis*, n. sp.
19. *Archidoris australis*, n. sp.
20. *Discodoris morphæa*, Bergh.
21. *Platydorid eurychlamys*, Bergh.
22. *Thordisa clandestina*, n. sp.
23. *Bathydoris abyssorum*, n. gen. and sp.
24. *Doriopsis nebulosa*, Pease.
25. *Onchidium melanopneumon*, n. sp.

I. ORDER.—NUDIBRANCHIATA KLADOHEPATICA.

The majority of the forms belonging to this Order which were collected during the expedition are pelagic (*Phylliroë*, *Acura*, *Glaucus*, *Fiona*), some are littoral (*Rizzolia*, *Janolus*), but only one genus (*Cuthonella*¹) was obtained from the deep sea.

The genera *Scyllæa*, *Bornella*, *Tritonia*, and *Marionia* are transitional between the kladohepatic and holohepatic Nudibranchs. ❀

¹ Up to the present time but one species belonging to the Family Æolidiadae has been found in deep water—*Gonirolis typica*; this was dredged by M. Sars, at a depth of from 70 to 100 fathoms.—(G. O. Sars, On some remarkable forms of animal life from the great depths off the Norwegian Coast, part 1, pp. 39–40, Christiania, 1872).