

Lætmogone violacea, Théel.

- Fig. 20. Side view of a large wheel ; diameter about 0·2 mm.
 „ 21. Cruciform bodies from 0·072 mm. to 0·2 mm. in diameter.
 „ 22. Spicula from the pedicels.
 „ 23. Spicula from the tentacles.
 „ 24. Spiculum from the ventral perisoma ; length about 0·16 mm.

Kolga nana, Théel.

- „ 25. Otolith ; length about 0·028 mm.

Benthodytes abyssicola, n. sp.

- „ 26. The sheath of a four-armed deposit, the calcareous substances being dissolved ; the arms about 0·5 mm. long.
 „ 27. Minute bodies within the integument.

PLATE XXXVII.

Elpidia willemoësi, n. sp.

- Fig. 1. One of the five pieces or spicula which compose the calcareous ring.

Parelpidia elongata, Théel.

- „ 2. One of the five pieces or rather spicula which compose the calcareous ring.

Deima fastosum, Théel.

- „ 3. A portion of the calcareous ring. *a*, notch for the passage of the ambulacral nerves, &c.

Oneirophanta mutabilis, Théel.

- „ 4. Side view of a portion of the calcareous ring. *a*, radial piece ; *b*, interradial pieces ; *x*, notch for the ambulacral nerves, &c.

Lætmogone wyville-thomsoni, Théel.

- „ 5. Genital process with four tops.

Peniagone wyvillii, n. sp.

- „ 6. A piece of the dorsal body-wall seen from the inner side, showing the foremost parts of the dorsal ambulacra and the terminations of the madreporic canal and the reproductive organs. *a*, perisoma near the tentacles ; *b*, that part of the perisoma which is more distant from the tentacles ; *c*, dorsal nerve stems ; *d*, dorsal radial ambulacral vessels and dorsal longitudinal muscular bands ; *e*, common efferent duct of the reproductive organs, which divides into two canals, each of which gives off a number of long