

*Lætmogone wyville-thomsoni*, Théel.

Fig. 3. Deposits from the pseudohæmal vessels.

*Deima validum*, Théel.

- , 4. Diagram exhibiting the relation of the dorsal and ventral surfaces and the position of the processes and pedicels. *a*, dorsal surface; *b*, ventral surface.

*Scotoplanes globosa*, Théel.

- „ 5. View of the ambulacral cavities of the pedicels, seen from the peritoneal cavity. *a*, ambulacral cavities; *b*, one of the lateral ambulacra; *c*, openings into the pedicels; *x*, communication between the ambulacral cavities and the ambulacral canal. Natural size.
- „ 6. View of the ambulacral cavities of the foremost pair of dorsal processes, seen from the peritoneal cavity. *a*, ambulacral cavities; *b*, the dorsal ambulacra; *c*, openings into the dorsal processes. Natural size.

*Deima fastosum*, Théel.

- „ 7. Calcareous deposits from the system of fine canals which are in connection with the minute papillæ which surround the anterior aperture of the body.

*Oneirophanta mutabilis*, Théel.

- „ 8. A minute sheath with structureless contents and without any traces of calcareous deposits; length about 0.08 mm. *a*, cells.
- „ 9. Slightly larger sheath without calcareous matters.
- „ 10. Sheath 0.20 mm. long. *a*, cells; *b*, the contents with traces of concentric structure at the centre of the sheath; *c*, a minute calcareous body in the centre of the sheath.
- „ 11. Another slightly larger sheath. *c*, calcareous bodies. All these four stages of development of spicula are taken from a very minute pedicel of a very young individual from Station 146.

*Plyodæmon maculatus*, Théel.

- „ 12. A later stage of development of a large wheel, seen from below.
- „ 13. An early stage of development of a large wheel, seen from below.
- „ 14. A slightly more advanced stage of development of a large wheel; seen from below.
- „ 15. A fully developed large wheel, seen from above; diameter from 0.14 mm. to 0.2 mm.
- „ 16. Deposits within the water-vascular system.
- „ 17. Small wheel, seen from above; diameter about 0.028 mm.
- „ 18. Dichotomously branched body of about the same size as the small wheels.
- „ 19. Spicula from the pedicels.