

PLATE XXXVIA.

The Lettering is the same in all the Figures.

a. Oesophageal region.
b. Cuticle.
bb' Small intestine.
c. Hypoderm.
cc' Vascular mesentery.
d. Circular muscular coat.

c. Dorsal longitudinal muscles.
f. Ventral longitudinal muscles.
g. Oblique muscles.
hh. Reproductive glands.
z. Meshes containing yellowish masses like oil in *Phyllochætopterus*.

- Fig. 1. Body-wall of *Travisia kerguelensis* in vertical transverse section, × 90.
- Fig. 2. View of the surface of the skin of the foregoing, × 90.
- Fig. 3. Transverse section of the anterior third in *Phyllochætopterus claparedii*. *z, z*, peculiar secretion, probably connected with phosphorescence, × 40.
- Fig. 4. *Trophoniphila bradii*, a parasitic Crustacean from the oral region of *Trophonia wyvillei*, Enlarged.
- Fig. 5. Alimentary apparatus of *Trophonia wyvillei*, from the ventral aspect. *a*, oesophageal or firm region of the alimentary canal; *b, b'*, small intestine; *c, c'*, vascular mesentery between great blood-vessel and gut; *d*, large intestine; *e*, rectum; *f*, anus; *g*, proboscis (?); *h, h*, reproductive glands, Enlarged.
- Fig. 6. Refractive globular bodies prevalent over the vessels of the intestine, × 250.
- Fig. 7. Fimbriated end of proboscidian region (*Trophonia wyvillei*), where fixed to the intestine, Enlarged.