

PLATE X.

STRUCTURE OF THE EYE, &c.

- Fig. 1. Single element of the eye of *Serolis cornuta*, depigmented by nitric acid; *h*, hyaline cell which has absorbed the pigment.
- Fig. 2. Dissection of *Serolis cornuta*; *h*, heart; *hep*, hepatic cæca; *od*, oviduct; *r*, rectum.
- Fig. 3. Diagrammatic transverse section through the eye of *Serolis neæra*; *n*, nuclei of Semper; *l*, vitreous body; (*g*) mass of cells below the vitreous body traversed by a network of pigment.
- Fig. 4. Masticatory stomach of *Serolis schythei*; *RP*, *LP*, ribbed lateral plates; *l*, *la*, *lp*, lateral ossicles; 1, 2, 3, pyloric ossicles.
- Fig. 5. Diagrammatic transverse section of eye of *Serolis bromleyana*; *h*, vitreous bodies; *c*, cornea; *m*, tissue in which vitreous bodies are imbedded.
- Fig. 6. Transverse section through the buccal region of *Serolis septemcarinata*; *a*, entrance to the buccal cavity; *m*, mandible; *b*, buccal cavity; *c*, integument bounding the lower surface of the body; *d*, salivary glands; *e*, connective tissue cells; *n*, nerve commissure.
- Fig. 7. Embryo of *Serolis antarctica*; *c*, telson.
- Fig. 8. Single element of the eye of *Serolis neæra* isolated by teasing in glycerin; *v*, vitreous body with pigment sheath; *g*, mass of cells below the vitreous body.
- Fig. 9. Masticatory stomach of *Serolis bromleyana*; *m*, cardiac ossicle; *V*, ventral ossicle; *RP*, *LP*, ribbed lateral plates; *l*, *la*, *lp*, lateral ossicles; 1, 2, 3, pyloric ossicles; *s*, opening of pylorus; *t*, triangular ossicle.