

## EXPLANATION OF PLATE.

## PLATE X.

Figure 1, *S. thule*, larva,—Distribution of the brachial nerve of the 1st thoracic segment. c.gl., coxal ganglion; other lettering as on Plate XI, fig. 2.

Figure 2, *S. thule*, larva,—The under surface of the 3rd sympathetic ganglion, showing a slender attached ganglion, g.

Figure 3, *S. thule*, larva,—Distribution of branches from the median and superficial nerves of the 2nd thoracic segment to the main tracheae.

Figure 4, *S. thule*, larva,—Distribution of the labial nerve at the junction of the silk glands, a and b, ganglia arising from the labial nerve, l.n.; S. Gl., silk glands reverted; Gl., a median gland lying below the silk gland; Sp.m., muscles from the spinneret.

Figure 5, *Eacles imperialis*, larva,—The vas deferens passing through a branch of the additional nerve of the 8th segment.

Figure 6, *S. thule*, larva,—The relation of the brachial nerve of the 3rd thoracic segment with the peripheral sympathetic plexus.

Figure 7, *S. thule*, larva,—A portion of the rectal nerve arising from the lateral ganglion of the rectum, l.g.r.

Figure 8, *S. thule*, larva,—Dorsal view of brain, or supraesophageal ganglion and its Nerves. Ant., antennal nerve; Ca. Gl., caudal ganglion; c. c., crura cerebri; Ce. Gl., cephalic ganglion; Ce. N., cephalic nerve; Fr. gl., frontal ganglion; Fr. l.g., frontal ganglion of the labral nerve; l., labral nerve; m. br., mesal branch; L. S., lateral symathetic; 1, 2, 3, its ganglia; S. ce.n., its cephalic nerve; S. l. n., its lateral nerve; m., fibres to muscles; m.gl., mesal ganglion; phbr., pharyngeal threads; p.f.g., post frontal ganglion; R.N., recurrent nerve; s. br., sympathetic branches of the labral nerve, 1 and 2; S.gl., sympathetic ganglion; tr., threads to brancheoles; Tr., a tracheal; Opt., optic nerve.

Figure 9, *S. thule*, larva,—Ventral view of the subesophageal ganglion and its nerves. Br. N., brachial nerve; CC. crura cerebri; Li., labial nerve; l. m., l.n., strands from labral nerve; Md., mandible, and mandibular nerve; m.ex., external branch, d.br., dorsal branch, v.br., ventral branch; Mx., maxilla and maxillary nerve; s.c., subesophageal commissure; s.gl., subesophageal ganglion; S.g. silk gland; sp.m., muscle of spinneret; 1st Th., 1st thoracic ganglion; m., nerve fibres to muscles; mg., mesal ganglion of labial nerves.

Figure 10, *S. thule*, larva,—A general view of the nervous system.

Figure 11, *S. thule*, larva,—The alimentary canal, showing the silk gland of one side and the malpighian tubes of one side.