

genus *Janus*, and lies transversely ; its length is about 7 mm., and its breadth 3·5 mm ; on either side it receives the long yellowish-brown-coloured bile duct ; near the left bile duct open the wider main bile-duct, which runs medially along the under surface of the hermaphrodite gland ; the hinder pyloric end of the stomach has a thicker darker brown-coloured wall. The *intestine* resembles that of *Janus*.<sup>1</sup> The posterior bile duct as well as the intestine, when opened, was found to contain a mass of soft yellowish calcareous and animal débris, the nature of which could not be recognised. The *liver* is probably like that of *Janus*, but I am unable to say anything with certainty about the liver-cæca in the papillæ.

The heart and the renal system appear not to differ from those of *Janus*.

The *hermaphrodite gland* is of a beautiful reddish-yellow-ochre colour, and is of a short conical shape, with a slanting broad base and a slightly flattened rounded posterior end, its length is 11 mm., and its breadth 10 mm. The gland is made up of a small anterior right-hand, and a larger posterior left-hand portion ; both these portions are composed of a great number of rounded, faceted, and finely granular lobules, measuring 2·25 mm. in diameter. The gland is acinous in structure ; in the ovarian follicles are the large oogene cells. The *hermaphrodite duct* lies deep down between the two halves of which the gland is composed, and is formed from two main branches ; the colour is whitish ; in front of the hermaphrodite gland it forms a delicate coiled *ampulla*, 2 cm. long and ·5 mm. broad, which about the middle of the upper side of the *anterior genital mass* opens into it. This latter organ is about 11 mm. long, 7·5 mm. broad, 7 mm. high ; the under surface is convex, the margins of the sides quite parallel ; the upper surface, on account of the presence of the penis and the coiled knot formed by the vas deferens, decreases in size from the middle towards the anterior and posterior margins respectively. The *vas deferens* is yellowish in colour and coiled into a large roll ; when uncoiled, its length is about 6 cm. and its diameter through its whole length ·3 mm. ; it passes into the much thicker *penis*. This last, or to speak accurately the præputium, is 5 mm. long and 4 mm. in diameter, and is entirely occupied by the glans. The glans consists of a cylindrical portion and a broad horizontal piece forming its anterior third. I was able to trace out the vas deferens to its circular opening on one of the corners of the transverse piece of the glans ; its diameter is uniform throughout its whole course. There is no armature either on the glans or in the vas deferens. The short sac-like seminal bladder has a length of 2·25 mm., it was filled with semen ; its duct is about as long as the organ itself. The *albuminiparous gland* is yellowish, the slime-gland whitish ; the duct has the usual fold.

#### *Cuthonella*, n. gen.

Corpus elongatum vix depressum. Caput sat latum, tentaculis vix longis, rhinophoriis simplicibus. Anus latero-dorsalis. Papillæ conicæ, vix caducæ, seriebus transversalibus, coetibus paucis aggregatis positis. Podarium sat latum, antice angulatum.

<sup>1</sup> The state of preservation of this part of the body permitted no sufficient investigation into the alimentary tract.