

peculiarity in their structure. The curious animal which Prof. Lacaze-Duthiers has described as *Laura gerardiæ*, and which according to him belongs to a distinct group of abnormal Cirripedia, has the female genital openings also in the basal segment of the first pair of legs. The peculiar position of these openings in this group would, however, not be so strange, if it could be shown that the female genital apparatus in the case of Cirripedia made use of a segmental organ. Now, I think everybody, who will study preparations of the curious sack and the oviduct in relation to it, will be struck by the totally different structure (1) of the oviduct, (2) of the sack itself, and (3) of the canal or duct, short in *Lepas* and long in *Scalpellum*, at the end of which the genital opening is placed. To call the sack a widened part of the oviduct is not in accordance with the condition of these parts at the place where they are in communication with each other. Even in *Lepas*, where the communication is much more gradual than in *Scalpellum*, the place where the oviduct terminates and the sack commences is very distinct. Since the duct by the aid of which the sack opens is a true epiblastic product, and is lined by a thin chitinous cuticle, the sack, which is placed between it and the oviduct, probably represents the funnel of the original segmental organ. Of course, this suggestion is based on the occurrence of the other pair of segmental organs opening at the base of the second pair of maxillæ, as previously described (p. 23). The first pair of segmental organs furnishes a direct communication of the body-cavity with the surrounding medium, the second serves for the evacuation of the female genital products. The cells of the funnel of the first pair, probably, have an excretory function; those of the second pair have a more special function,—that of producing a viscous fluid for uniting the eggs into egg masses.

I hope I shall soon be able to continue these investigations, and if possible to enlarge them with the aid of fresh material.