

size. Suppose I had observed this same organisation in a species of another genus of Cirripedia, then I should never have thought the existence of a complementary male in that species possible, and now in the case of a species of *Scalpellum* I think I may safely infer that in this species the absence of a complementary male is not an accident, but indeed the rule! I think, therefore, that there is sufficient reason to conclude that the genus *Scalpellum* presents the three following stages of sexual differentiation:—

- 1st. True hermaphrodite species: all the specimens develop male genital products as well as female. Whether these species are also “autogames,”<sup>1</sup> i.e., whether the spermatozoa of a specimen as a rule fertilize the ova of the same specimen, is a point which I do not wish to discuss at present. I will only say that in case “autofécondation”<sup>1</sup> should be proved in the case of other Cirripedia (which at present has not, I think, been done), we can also safely admit it in the case of these species of *Scalpellum*.

Example:—

*Scalpellum balanoides*, Hoek.

- 2nd. Large hermaphrodite specimens and small unisexual (male) ones in the same species.

A. Male specimens with a capitulum and peduncle, with a mouth and stomach.

Examples:—

*Scalpellum villosum*, Leach, sp. | *Scalpellum peronii*, Gray, sp.  
(*Scalpellum trispinosum*, Hoek.<sup>2</sup>)

B. Male specimens with or without rudimentary valves, without a peduncle, a mouth and stomach.

Examples:—

*Scalpellum vulgare*, Leach. | *Scalpellum rostratum*, Darwin.  
(*Scalpellum acutum*, Hoek.<sup>3</sup>)

<sup>1</sup> Robin, Ch., Article “Sexe” in Dictionn. encyclopéd. d. sci. med., Paris, 1880.

<sup>2</sup> The body of this species has not been investigated; so my conclusion is based only on the presence of a well-developed penis, and on the great resemblance of the species to *Scalpellum villosum*, Leach.

<sup>3</sup> This species has not been investigated either; the supposition as to its hermaphroditism is based only on the presence of a well-developed penis.