

to one and the same division of the genus. I have been able to study the male of one of these (*Scalpellum regium* [Wyv. Thoms.], Hoek) more in detail; in all essential respects the males of the other twelve agree with it.

The twenty-four species of *Scalpellum*, the males of which are known at present, may be classified with regard to the structure of these males in the following way:—

A. Species, the males of which show a distinct capitulum and peduncle:—

<i>Scalpellum peronii</i> , Gray, sp.	<i>Scalpellum rostratum</i> , Darwin.
	<i>Scalpellum villosum</i> , Leach, sp.

All these are shallow water species.

B. Species, the males of which do not show a division of the body into a capitulum and a peduncle, but yet are furnished with rudimentary valves:—

<i>Scalpellum vulgare</i> , Leach.	<i>Scalpellum parallelogramma</i> , Hoek.
<i>rutilum</i> , Darwin.	<i>elongatum</i> , Hoek.
<i>ornatum</i> , Gray, sp.	<i>tritonis</i> , Hoek.
<i>intermedium</i> , Hoek.	<i>triangulare</i> , Hoek.

Species occurring in depths varying between shallow water and 700 fathoms.

C. Species, the males of which do not show a division of the body into a capitulum and a peduncle, and are not furnished with rudimentary valves:—

<i>Scalpellum marginatum</i> , Hoek.	<i>Scalpellum gigas</i> , Hoek.
<i>strömii</i> , Sars.	<i>regium</i> (Wyv. Thoms.), Hoek.
<i>compressum</i> , Hoek.	<i>darwinii</i> , Hoek.
<i>nymphocola</i> , Hoek.	<i>tenuis</i> , Hoek.
<i>velutinum</i> , Hoek.	<i>dubium</i> , Hoek.
<i>eximium</i> , Hoek.	<i>flavum</i> , Hoek.
	<i>Scalpellum pedunculatum</i> , Hoek.

With the exception of three (*Scalpellum pedunculatum*, *Scalpellum strömii*, and *Scalpellum nymphocola*), these species occur in depths of upwards of 1000 fathoms. The depths at which *Scalpellum strömii* and *Scalpellum nymphocola* were collected are less considerable; these species, however, belong to the arctic fauna, which, as is well known, shows numerous instances of deep-sea animals occurring in rather shallow water. *Scalpellum pedunculatum* was taken from a depth of 150 fathoms only.