

winged Pegasus. This fossil has been referred by Lamarck to the order Monothalamous Cephalopoda, of which there exists one genus—Argonauta. Murchison refers it to the order Heteropoda. The modern Heteropod is a floater swimming in a reversed position, the fin-like foot being uppermost, and the shell depending; they are limited to warm latitudes. One species of the genus Carinaria, the modern genus of this order of Molluscs, inhabits the Mediterranean, and occasionally appears on particular coasts in large numbers, whilst others are peculiar to the tropics, where most of the allied genera also exist. Of the Bellerophon there are six species in the Arisaig rocks; we have been able to determine four of these—*B. Murchisoni*, *B. expansus*, *B. trilobatus*, *B. carinatus*.

The last order of Mollusc univalve to which we direct attention is the Polythalamous cephalopoda, (Lam.) The name has been given on account of the many chambers of which the shell or float of this order of univalve is composed, and because they have their feet or locomotive organs arranged round the head.

This is to be regarded as the highest order of Molluscs on account of the complexity of their organization and the nearness of its approach to that of the vertebrated animals. In the general form of their bodies many members of this class bear a strong resemblance to fish. They have eyes and organs of hearing like the higher classes of animals; their feet are also to be considered as arms, for they are prehensile as well as locomotive; these feet or arms are from eight to ten in number, and in some cephalopods they are said to number nearly 100. They are covered with suckers like the leathern ones of the urchin, by which they can take a firm hold of any thing to which they may be applied in walking or in hunting; their mouth is situated in the centre of this locomotive or prehensile apparatus, and consists of a pair of horny mandibles

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