

# ABSTRACT

Taxonomic position of the cephalopod *Bactroceras sandbergeri* (Barr., 1867) from the Ordovician of the Prague Basin was subjected to wide discussions and disputes in the past. The species was first classified within the genus *Bactrites*. Later, a separate, monotypic genus *Eobactrites* was defined. At present, the species is assigned to the genus *Bactroceras*. It belongs to the family *Baltoceratidae*, the genera of which are supposed to represent the oldest orthoceridans. The order Orthocerida is one of the most successful and most diversified cephalopod groups of the Paleozoic Era.

In this thesis, a revision of *Bactroceras sandbergeri* has been made after a detailed study of about one hundred specimens. Attention was paid to those features, that are missing in the original species descriptions or that were neglected in the past. Special attention was paid mainly to muscle scars, structure of the siphuncle and morphology of the embryonic shell. The embryonic shell was originally described as *Tretoceras parvulum* Barrande, 1868. In addition, *Orthoceras naufragum* Barrande, 1870 was synonymized with the studied species and the species *Orthoceras interpolatum* Barrande, 1870 was assigned to the genus *Bactroceras*.

**Key words:** Cephalopoda, Ordovician, Czech Republic, Barrandian area