

## Lingulate brachiopods from Lower Ordovician (Tremadoc) chalcidites, Holy Cross Mountains, Poland

Lars E. Holmer and Gertruda Biernat

*Acta Palaeontologica Polonica* 47 (1), 2002: 141-156

Lingulate brachiopods from chalcidites of Tremadoc age are redescribed based on new material from the Holy Cross Mountains, Poland. The fauna includes 18 species, of which *Elliptoglossa polonica* and *Siphonotretella popovi* are new. The enigmatic *Orbiculoidea? subovalis* Biernat is redescribed as a species of the recently erected aberrant paterulids *Diencobolus* Holmer, Popov, Koneva, and Bassett. The fauna includes also *Acrotreta dissimilis* (Biernat), *?Ditreta dividua* Biernat, *Semitreta maior* Biernat, *Eurytreta minor* Biernat, *Mamatia retracta* (Popov), *Orbithele ceratopygarum* (Brögger), *Siphonobolus uralensis* (Lermontova), *Alichovia analogica* Biernat, *Pomeraniotreta* sp., *Akmolina* sp., *Rowellella* sp., *Acanthambonia* sp. A, *Acanthambonia* ? sp. B, *Leptembolon* cf. *lingulaeformis* (Mickwitz), and the earliest known species of *Eoconulus*. Most of the recorded lingulate species are endemic, but a significant number are now known also from eastern Kazakhstan and the South Urals, as well as from the Tremadoc of Sweden and Norway.

**Key words:** Brachiopoda, Lingulata, Lower Ordovician, Tremadoc, Holy Cross Mountains, Poland.

Lars E. Holmer [[Lars.Holmer@pal.uu.se](mailto:Lars.Holmer@pal.uu.se)], Institute of Earth Sciences, Department of Historical Geology and Palaeontology, Norbyvägen 22, S-752 36 Uppsala, Sweden; Gertruda Biernat, Instytut Paleobiologii PAN, ul. Twarda 51/55, PL-00-818 Warszawa, Poland.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see [creativecommons.org](http://creativecommons.org)), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

