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Revision of ostracods from the Klabava and Šárka Formations (Prague Basin, Lower to Middle Ordovician)

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Ostracods are one of the major faunal components of the Ordovician assemblages in the Prague Basin. Pribyl (1979) has completed the first (and so far, the only) study of the Ordovician ostracods of the Barrandian Area. However, this study completely lacks the ostracods of the Klabava Formation. This formation contains the oldest documented ostracod fauna in the Prague Basin (Kruta 1980). Later, the research was significantly supplemented with new studies by Schallreuter & Kruta (1988).

Rock material in which the fossil specimens are preserved is different in each of the two formations. While in the Klabava Formation ostracod fauna is found only in ash rocks and redeposited ash rocks, in the Šárka Formation it is found mainly in concretions, but occasionally also in dark shales, which allows preservation of the original structure of the fossilized shells. In both formations the individual valves are preserved mainly as cores and external moulds.

Five species from the Klabava Formation were studied and classified. Study of the casts confirmed the presence of four previously described species by Schallreuter & Kruta (1988): *Glossomorphites* (*Glossomorphites*) *mytoensis*, *Pariconchoprimitia ventronasata*, *Mytoa klabava* and *Karinutatia eoren*. The fifth species, *Conchoprimites* sp., was newly documented in this stratigraphic level of the Prague Basin (Lajblová 2010). Its presence was previously known only from the overlying Šárka Formation.

Pribyl (1979) distinguished the following species in the Šárka Formation: *Dilobella grandis*, *Cerninella complicata*, *Conchomprimitia ?dejvicensis* and *Conchoprimites osekensis*. Specimens classified by Pribyl (1966, 1979) to the genus *Cerninella* were reassigned to its newly determined genus *Brephocharieis* by Siveter (1985). Still later, it was established in the Czech material as the new species *Brephocharieis ?ctiradi* by Schallreuter & Kruta (1988).

A recent study (Lajblová 2010) confirmed the presence of species *Dilobella grandis*. This study also confirmed the species *B. ctiradi*, Schallreuter & Kruta (1988) for the genus *Brephocharieis*. In addition, new biometric measurements were made and size-dispersion diagrams were created based on those measurements.

These diagrams together with a larger amount of studied material enabled the author to declare the previously described species *Conchoprimitia dejvicensis* Pribyl, 1979 as an ontogenetic stage of the species *Conchoprimites osekensis* Pribyl, 1979,

which is third confirmed species in the Šárka Formation. Finally, the species *Pariconchoprimitia* cf. *conchoides* HADDING was described for the first time in this formation as the fourth confirmed species (LAJBLOVÁ 2010).

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