

Phyllocarids

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In the Vattenfallet collections phyllocarids are represented by *Ceratiocaris* sp. indet. from the "Pterygotus" Beds (Högklint *d*). The material comprises a distal part of a large telson and many cutting edges of mandibles. The telson shows characteristic microstructure in a calcified cuticle, 0.2 mm thick. The gnathal lobes of mandibles, found in acid resistant residues, correspond in general form with those described by Rolfe (1962:923–925).

The material submitted for identification also included five specimens identified as phyllocarids by Holm. These specimens include also the syntypes of *Phasganocaris pugio serrata* Jones and Woodward, 1888. Gürich (1929:58) has already pointed out that this material is better not classified as a phyllocarid crustacean. Presuming these specimens might be non-phyllocarid, they were sent to Kjellesvig-Waering who identified them as telsons of *Baltoerypterus*. This material is thus confirmed as non-phyllocarid and may henceforth be known as *Baltoerypterus serratus* (Jones and Woodward). The Lower Devonian *Phasganocaris* (Novák 1886) bears ornament resembling the present material, but *Phasganocaris* may well be the telson of *Aristozoe memoranda* Barrande in Bigsby, 1868. *Phasganocaris* thus becomes a junior synonym of *Aristozoe* (Rolfe 1969). Similar ornament is found on the telson of *Ceratiocaris? coherbaria* Chlupáč, 1963. The further question of the identity of *Phasganocaris* s.s. with eurypterids has been much discussed, but restudy of the type Bohemian material is required to solve this problem.

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