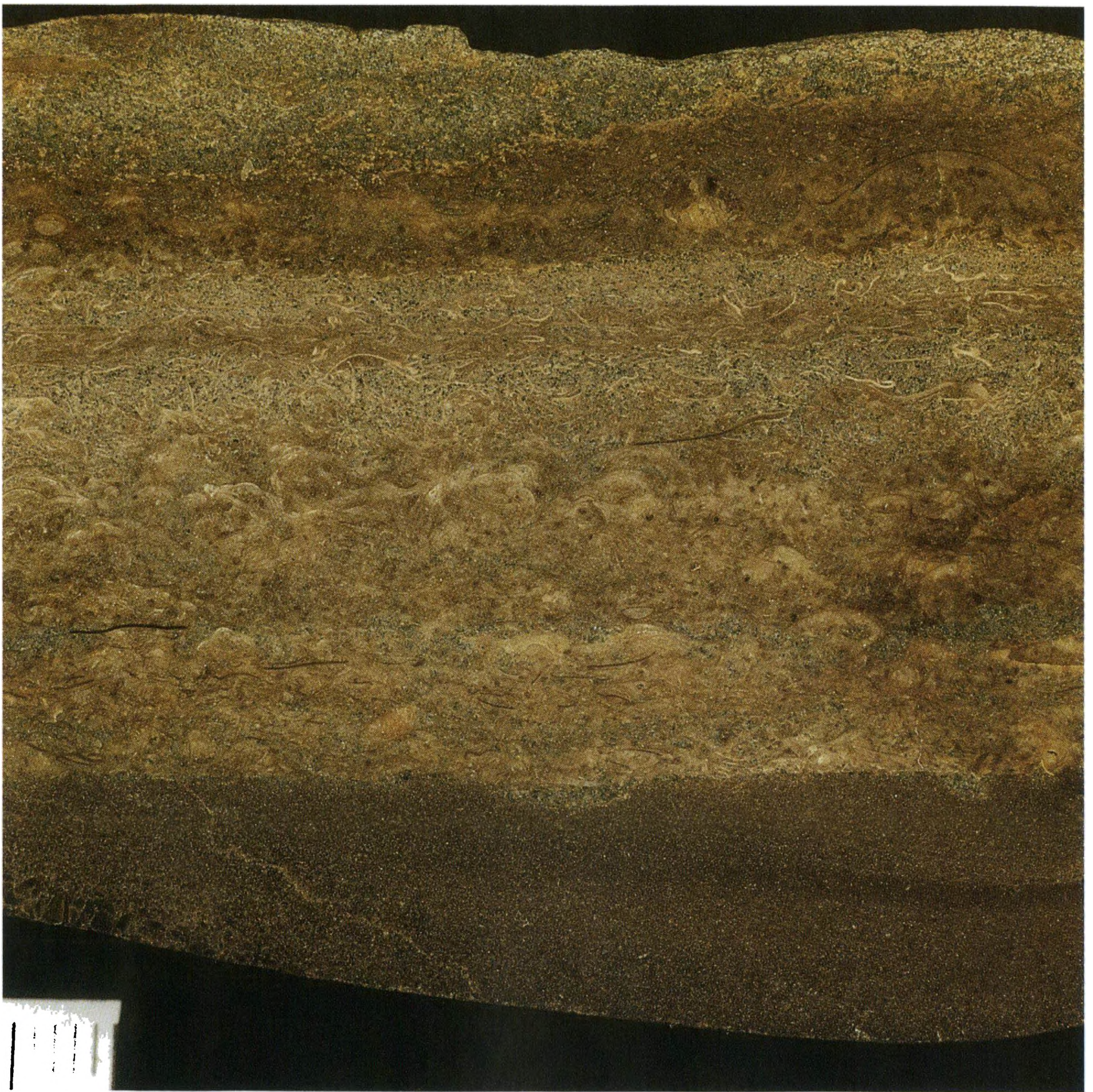


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Herausgegeben vom Archiv für Geschiebekunde am
Geologisch-Paläontologischen Institut und Museum
der Universität Hamburg



Arch. Geschiebekde.	Band I	Heft 8/9	Seite 465 – 560	Hamburg Januar 1994
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The Baltoscandian Ostracode Genus *Piretia* in the Bohemian Ordovician

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SCHALLREUTER R & KRŮTA M 1994 The Baltoscandian Ostracode Genus *Piretia* in the Bohemian Ordovician - *Arch. Geschiebekde.* 1 (8/9): 559-560, 2 figs., Hamburg. ISSN 0936-2967.

The genus *Piretia*, originally described from the Platyrus limestone (C_{1c}) of Sweden, occurs also in the Dobrotivá Formation of the Barrandean (Bohemia).

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Z u s a m m e n f a s s u n g: Die ursprünglich aus dem Platyruskalk Schwedens [C_{1c}; unteres Unter-Viru (Mittelordoviz) Baltoskandiens] beschriebene Gattung *Piretia*, die bisher nur aus dem baltoskandischen Raum bekannt war, findet sich auch in Böhmen in der Dobrotivá-Formation (oberstes Unterordoviz Böhmens)¹ mit einer Art, die *P. erinacea* aus dem Backsteinkalk sehr ähnlich ist und eventuell nur eine Unterart von dieser darstellt.

Introduction

After the synopsis of the published information of the Ordovician ostracodes of Bohemia (SCHALLREUTER & KRŮTA 1988) it is the intention of the authors to give detailed descriptions of the ostracodes of all Ordovician formations of Bohemia with the aim of an ostracode zonation of the Bohemian Ordovician. When describing the ostracodes from the locality Ejpovice (Skalka Quarzites - Dobrotivá Formation) all data were brought together about the ostracode fauna from Dobrotivá Formation at all. Because an external mould of a *Piretia* species in dark shales from Hurka by Plzenec is beside of *Levisulculus smolai* (SCHALLREUTER & KRŮTA 1991) another proof of the close relations between Bohemian and Baltoscandian ostracode faunas during the Lower Ordovician¹ the species is published here separately.

Description

Piretia JAANUSSON, 1957

Type species : *Piretia geniculata* JAANUSSON, 1957.

Piretia hurkaensis sp.n.

Fig.1

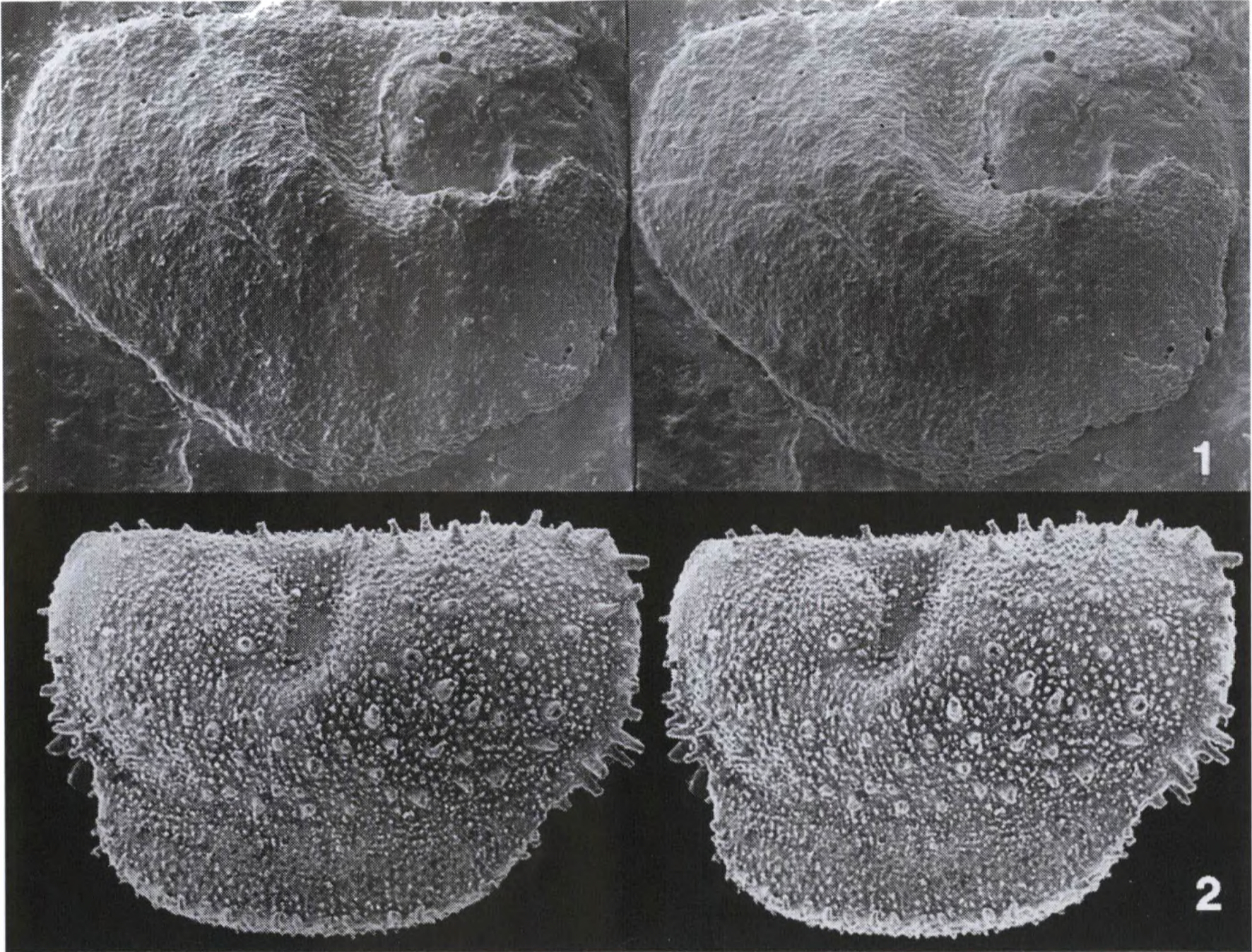
D e r i v a t i o n o m i n i s: After the type locality Hurka near Plzenec.
H o l o t y p e: External mould of a right heteromorphic valve, Muzeum Rokycany - Fig. 1. (Cast depicted on Fig.1: AGH 132-1).

L o c u s t y p i c u s: Hurka near Plzenec, W Bohemia.

S t r a t u m t y p i c u m: Dobrotivá Formation.

D i a g n o s i s: ♀ about 0.94 mm, L:H ratio (Gestalt) very high. Domicilium relatively strongly convex, distinctly higher than brood pouch but laterovelar furrow weak. 'False brood pouch' in antero- and centroventral regions,

¹ The Bohemian Ordovician is divided only in Lower and Upper Ordovician.



F.1. *Piretia hurkaensis* sp.n., cast of the holotype (AGH 132-1), right female valve, L 0,95 mm, Dobrotivá formation, Hurka near Plzenec.

F.2. *Piretia erinacea* SCHALLREUTER, 1964, left female valve (AGH G132-2), L 0,90 mm; Backsteinkalk geschiebe (Gis30), Gislövshammar, Scania, Sweden.

indistinct bend at the border of its lateral and ventral surface. Lateral surface seems to exhibit dual sculpture: tuberculation of some kind and granulation and/or reticulation.

R e l a t i o n s: *P. clypeolaria* and *P. geniculata* from Platyrurus beds (C_{1a}) of Sweden are larger (1.3 - 1.4 mm and 1.1 - 1.2. mm resp.) possess a more elongate L:H ratio (especially *P. geniculata*) and longer brood pouches (mainly anteriorly)(JAANUSSON 1957: 282-285, Pl.4, figs.20,22).

P. erinacea SCHALLREUTER, 1964 is very similar to *P. hurkaensis* (size, short dolon with bend, surface ornamentation) but differs by the higher L:H ratio, the more convex domicilium and more parallel to the dorsal margin orientated brood pouch which forms a weaker laterovelar furrow. Nevertheless it is possible, that *P. hurkaensis* is only a subspecies of *P. erinacea*.

O c c u r r e n c e : Known only from the type-locality.

Literature

- JAANUSSON V 1957 Middle Ordovician Ostracodes of Central and Southern Sweden - Bull. Geol. Inst. Univ. Uppsala 37 (3/4): 173-442, 15 pls., 46 figs., 40 tables (= Publ. Palaeont. Inst. Univ. Uppsala 17), Uppsala.
- SCHALLREUTER R 1964 Hithinae - eine neue Unterfamilie ordovizischer Ostrakoden - Ber. geol. Ges. DDR 9 (3): 385-387, 426-429, 2 Tf., Berlin.
- SCHALLREUTER R & KRÜTA M 1988 Ordovician Ostracodes of Bohemia - Mitt. Geol.-Paläont. Inst. Univ. Hamburg 67: 99-119, 4 Tf., Hamburg.
- 1991 The Baltoscandian Ostracode Genus *Levisulculus* in the Bohemian Ordovician - Arch. Geschiebekde. 1 (3/4): 235-236, 1 Abb., Hamburg.