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# The Baltoscandian Ostracode Genus *Levisulculus* in the Bohemian Ordovician

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The genus *Levisulculus* originally described from geschiebes of the Tvaeren area (Central Sweden) occurs also in Bohemia and represents another faunal link between Baltica and Bohemia in the Ordovician.

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Z u s a m m e n f a s s u n g: Die ursprünglich aus Geschieben des Tvären-Gebietes (Zentralschweden) beschriebene Ostrakodengattung *Levisulculus* repräsentiert ein weiteres auch in Böhmen vorkommendes baltoskandisches Faunenelement.

## Introduction

In the past the ostracode faunas of Bohemia were considered more or less endemic (SCHALLREUTER & KRŮTA 1984: 687) or quite different from those of Baltoscandia (SCHMIDT 1941: 75). Studies by the authors in the past decade reveal more and more connections to Baltoscandia (SCHALLREUTER & KRŮTA 1988). Another such faunal link is represented by a new species of the genus *Levisulculus* JAANUSSON, 1957, a genus first described from geschiebes of the Tvaeren area (Central Sweden) and known from Europe so far from Baltoscandia only.

## Description

### *Levisulculus smolai* sp.n.

D e r i v a t i o n o m i n i s: In honour of the late student of geology Martin SMOLA, the collector of the material described below.

H o l o t y p e: Carapace (steinkern and external mould) with the two valves in juxtaposition, Narodni Museum Prague no. NM L 29393a - Fig. 1.1.

L o c u s t y p i c u s: Libeň-Bulovka, Praha.

S t r a t u m t y p i c u m: Dobrotivá Formation (= Early Llandeilo or Uhaku Stage).

D i a g n o s i s: Length at least up to 1.22 mm (incl. velum). S2 very distinct, long and sigmoidal. Reticulate.

R e l a t i o n s: *L. smolai* sp.n. is characterized by its large size and distinct sulcus. Most species are smaller and possess a weak sulcus only. *L. michiganensis* KESLING, 1960 has also a distinct sulcus but it is more pit-like.

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.



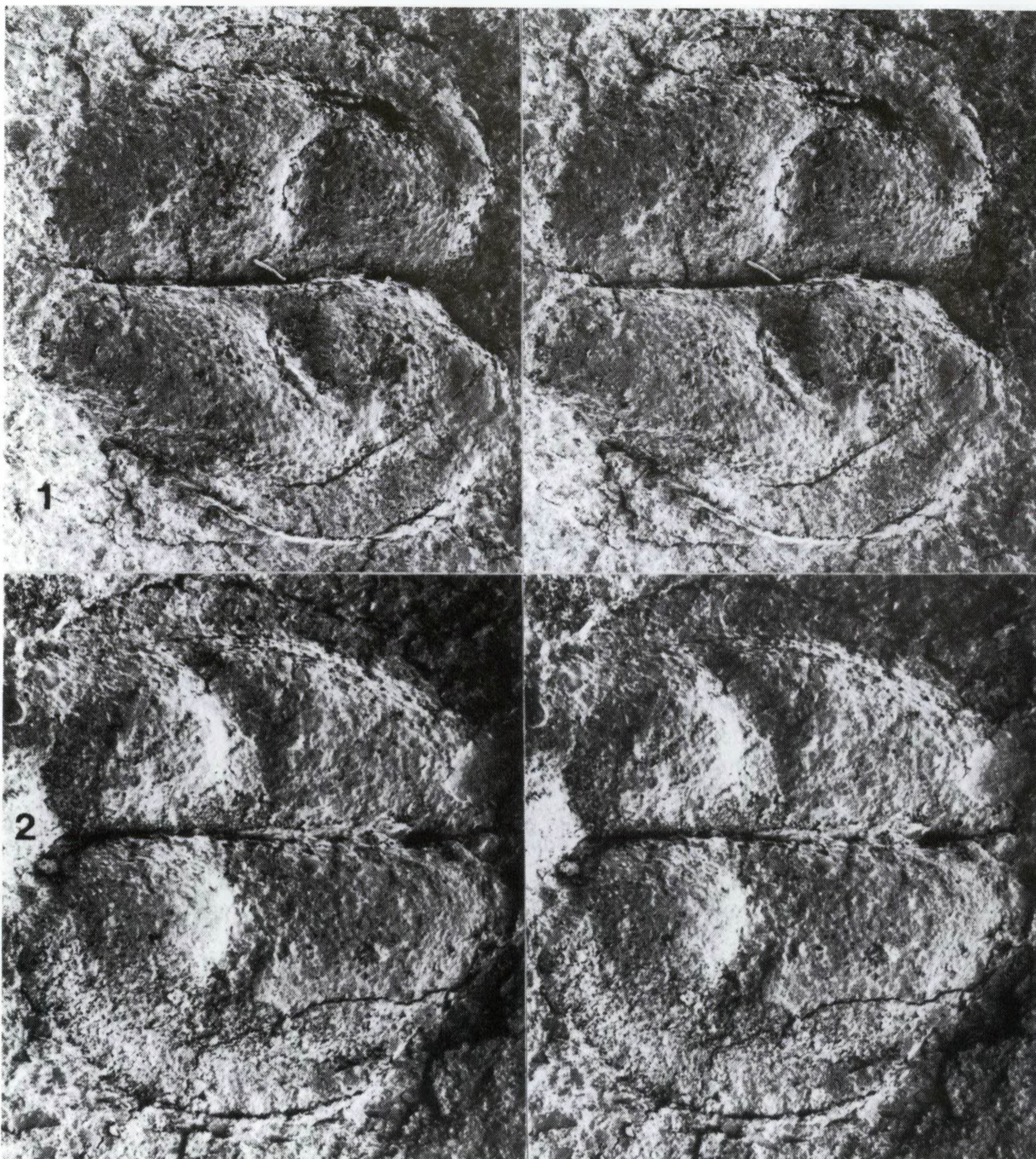


Fig. 1. *Levisulculus smolai* sp.n. Two carapaces with valves in juxtaposition in lateral view. 1: Holotype (Národní Museum Praha no. L 29393a), 2: Paratype (L 29393b). Length 1.22 mm. Stereo-pairs. Liben (Praha), Dobrotivá Formation.

KESLING RV 1960 Middle Ordovician Black River Ostracods from Michigan Part II, *Levisulculus* and *Eurychilina* - Contr. Mus. Paleont. Univ. Mich. 15 (15): 349-363, 4 pls., Ann Arbor, Mich.

SCHALLREUTER R & KRŮTA M 1984 The Baltoscandian ostracode genus *Piretella* in the Ordovician of Bohemia - N. Jb. Geol. Paläont. (Mh.) 1984 (11): 684-688, 1 fig., Stuttgart.

-- 1988 Ordovician ostracodes of Bohemia - Mitt. Geol.-Paläont. Inst. Univ. Hamburg 67: 99-119, 4 pls., Hamburg.

SCHMIDT EA 1941 Studien im böhmischen Caradoc (Zahoran-Stufe). 1. Ostrakoden aus den Bohdalec-Schichten und über die Taxonomie der Beyrichiacea. - Abh. senckenberg. naturforsch. Ges. 454: 96 S., 5 pls., 1 fig., Frankfurt a.M.