INDEX OF FOSSILIFEROUS LOCALITIES OF THE OLEŠNÁ MEMBER, KLABAVA FORMATION (LOWER ORDOVICIAN OF THE PRAGUE BASIN, CZECH REPUBLIC)

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Abstract: Thirty-two fossiliferous localities of the Olešná Member, a distinct unit of the Klabava Formation, are described. As we are able to find they represent all fossil sites of this unit ever been mentioned in publications. Fossil taxa from relevant papers are summarized and the historical names used for the localities are listed. Updated lists of fauna are compiled for each locality; based on them an overall list for the member is completed.

Key words: Ordovician, Olešná Member, Klabava Formation, Prague Basin, fossils

INTRODUCTION

This paper is the third contribution to a long-term project, making the key data initially and extensively assembled by the senior author on the published fossiliferous localities in the Ordovician of the Prague Basin easily accessible. The aims of this project are explained in a previous paper (Kraft et al. 2013). It should be, however, repeated that the series of papers is intended ‘to serve as a basic dataset for diverse research in the Ordovician of the Barrandian area and represents an explanatory document in which synonymous names for localities are listed to aid the researcher when using older publications and collections in their research’ (Kraft et al. 2013). This paper is focused on the Olešná Member belonging to the Klabava Formation.

The Olešná Member was considered a part of the Krušná hora Formation (Krušnahora Schichten in original designation by Lipold & Krejčí 1860) together with the present-day Třenice and Mílina formations and formed its upper portion for a long time. It was formally called Cerhovice Beds by Kettner (1916a, 1916b) and subdivided into the lower dark red-brown ferruginous shale to siltstone and the upper siltstone of the “cihlové vrstvy” (= brick beds) after the prevailing, typical colour (Kettner 1916b). Subsequently, Klouček (1917) renamed the Cerhovice Beds as the Olešná Beds based on the argument of a different area with typical development of this unit. This concept was used until the 1950’s (e.g. Havlíček & Šnajdr 1953) and was accompanied by a confusing terminology of the stratigraphic unit categories (cf. Havlíček & Šnajdr 1955 vs. 1956). In addition, the published information on the Olešná Member as a former part of the Krušná hora Formation is vague in some cases because it can be difficult to distinguish the data related to the individual portions of the formation and their fossil content.

Later, it was found out that the Olešná Member is a part of the Klabava Formation. For the first time it was indicated by Havlíček (1961a), subsequently advocated in detail and formally established by Havlíček (1961b). However, in both papers Havlíček (1961a, 1962a) did not consider it to be an independent unit but only a facies typical for the lower part of the formation. This interpretation was used for example by Havlíček & Vaněk (1966). On the other hand, Havlíček (1998) returned to the Olešná Member as a formal unit...
inside the Klabava Formation. Kraft & Kraft (2003) followed this concept in their study on the lithostratigraphy of the Klabava Formation.

The lithological aspects of the Olešná Member were briefly studied by Kukal (1959, 1961). He mentioned that lithological methods cannot contribute to the solution of the questions about the stratigraphic position of those beds studied by Havlíček (1961a, 1962b). However, in his next study Kukal (1963) considered the Olešná Beds as an independent unit overlying the Mílina Formation and underlying the Klabava Formation. He also characterized the rocks of the Olešná Beds as a mixture of silty and clayey material with a sandy admixture, and interpreted the sedimentary conditions predominantly as a depression bordered by a high, mountainous relief causing rapid transport of the coarse clastic material into the basin.

Based on progress of stratigraphic and lithological studies several papers about the paleogeographic extension of the Olešná Member in the Prague Basin were published (Kettner 1921; Havlíček & Šnajdr 1955, 1956; Havlíček 1981, 1998).

The fossil content of the Olešná Member is very specific. Linguliform brachiopods completely prevail, only several other groups occur but are extremely rare; many groups even absent (Havlíček & Vaněk 1966). The only exception seems to be represented by sponges but the data about them are sparse. The uniform character of the fauna is probably a taphonomic bias in major part. Although focused on the Mílina Formation the studies on taphonomy by Mergl (1996, 1997b) touch the Olešná Member as well.

The quite low diversity and dominance of a single group, the linguliform brachiopods, caused
a limited interest in the paleontological research of the Olešná Member. The first fossils described from this unit are brachiopods (Barrande 1879). At the beginning, however, several papers were published about sponges (Feistmantel 1885, Počta 1898a, 1898b). Subsequently, the main focus was on linguliform brachiopods. It was based on systematic field research especially by C. Klouček (Klouček 1915, 1917, 1919, 1920). Brachiopods were studied by himself but especially by J. Koliha (Koliha 1918, 1924). After a long-time gap, brachiopods were occasionally studied again (Havlíček 1982a). The research was continued by systematic studies of the Olešná Member by M. Mergl who described brachiopods and also some other groups (e.g. Mergl 2002, 2006, 2008, Mergl & Duršpek 2006).

The fossil associations were recently studied in detail by Havlíček (1982b) and Mergl (1986), and summarized by Havlíček & Patka (1992), Havlíček (1998) and Patka & Mergl (2009). The fossil associations of the Olešná Member belong to the relatively shallow water Leptembolon Association (Community, Fauna by different previous authors).

LOCALITIES

For the list of localities to be as easily and clearly understandable as possible the explanations of Kraft et al. (2013) are repeated:

‘Only’ the Olešná Member ‘localities which are known to have yielded or, in some cases, possibly yielded fauna are included in the list. Records with insufficiently documented localities and lists of ambiguous fossils are omitted. This approach significantly impacts the old papers in which fossils from several formations were listed as a single assemblage.

Localities are listed in alphabetical order and their descriptions are structured as follows: brief geographical location (geographic co-ordinates if available), lithology, general remarks, references, and updated revised taxonomic list. The references are ordered chronologically. The original locality name or names used in a publication follows the authors, the original list of taxa (including author and year, and errors; original letter style is ignored and italics are used for Latin in the modern way) are listed. Translations to English are placed in square brackets for the localities with obscure or difficult names. Original Czech or German descriptions of fossils are supplemented with verbatim English translations in square brackets. These reports are important in illustrating the history, the available taxa, as currently identified, for systematic studies. Old papers written in Czech, French or German will now have English translations of pertinent parts.’

The last section of this paper is a complete updated list of taxa.

Note that in several cases concerning Mergl (2002), the reader cannot unequivocally prove if some species occur in the Olešná Memer or other units in the succession at certain localities. It is because localities are not clearly related to the lithostratigraphic units in that paper. Based on our knowledge (namely M.M.) or other references we list such species herein only if they have been demonstrably recorded from the Olešná Member. All such instances are marked by an asterisk (*) in the relevant lists of taxa and are summarized as follows: Dactylotreta prisca Mergl, 2002. It ranges from the Třenice to the Klabava Formation. The confusing information is referred to Cerhovice – Cerhovská hora Hill, Horní Kvaň – field, Jívina – quarries, Jívina Hill, Kleštěnice – Jalový potok Brook (all with fossiliferous succession of the Třenice to Klabava formations), Mílina Hill, Olešná – quarry, Těně – west, Točník, Zaječov – Hrbek Hill, Zaječov – quarry near the school building (with fossiliferous Mílina and Klabava formations), and Medový Újezd (with fossiliferous Třenice and Klabava formations).

Celdobolus mirandus (Barrande, 1879). It occurs in the Třenice and Klabava formations. The confusing information is referred to Cerhovice – Cerhovská hora Hill, Horní Kvaň – field, Jívina – quarries, Jívina Hill, Kleštěnice – Jalový potok Brook and Medový Újezd, all with both fossiliferous formations in the succession. Mílina Hill should be also mentioned although the Třenice Formation has not yielded any fossils.

Pidiobolus minimus Mergl, 1995. It ranges from the Milina to the Klabava Formation. The confusing information is referred to Těně – west with both fossiliferous formations in the succession.

On the other hand, occurrences of some species in the Olešná Member can be inferred erroneously: Leptembolon insons (Barrande, 1879) from Hatě – Vrahův potok Brook. The occurrence of this spe-
cies, typical for the Mílina Formation, in the lowermost part of the overlying Klabava Formation is mentioned and discussed by Mergl (2002). However, sites of this stratigraphic level are not explicitly specified therein and the Mílina and Klabava formations are in succession at number of the listed localities. Hátě – Vrahův potok Brook is the single one where Mergl (2002, p. 7) clearly mentioned the occurrence of the Klabava Formation only. Thus, the presence of this species can be deduced for the list therein.

*Teneobolus gracilis* Mergl, 1995 from Zaječov – quarry near the school building. The unit E (Mergl 1986, 2002) has been revised as a top of the Mílina Formation (Fig. 2).

*Rafanoglossa platyglossa* Havlíček, 1982 (occurring in different members of the Klabava Formation) from Hátě – Vrahův potok Brook. Ejpovice Member (Kraft & Kraft 2003) also occurs at the locality.

*Pidiobolus minimus* Mergl, 1995 (ranging from the Mílina to the Klabava Formation) from Zaječov – quarry near the school building.

*Acrotreta scabra* (occurring in the Klabava Formation) from Strašice – field near St. Vavřinec. Loose boulders of the Ejpovice Member, Klabava Formation (Kraft & Kraft 2003) also occur at the locality. *Celdobolus complexus* (Barrande, 1879) (occurring in the Klabava Formation) from Horní Kvaň – field and Strašice – field near St. Vavřinec. Loose boulders of the Ejpovice Member, Klabava Formation (Kraft & Kraft 2003) also occur at the localities. However, concerning to the former locality, the information about other units of the Klabava Formation than the Olešná Member was omitted by Mergl (2002).

*Siphonotretella filipi* Mergl, 2002 (ranging from the Mílina to the Klabava Formation) from Horní Kvaň – field and Zaječov – quarry near the school building. The specimens described by Mergl (1995) and the synonymy in Mergl (2002), all combined evokes to prove the occurrence of this species at the latter locality.

As stated above, the unit E (Mergl, 1986, 2002) has been recently considered to belong to the topmost portion of the Mílina Formation (Fig. 2). That is why the taxa, such as *Jivinella slaviki* (Klouček, 1915) and *Schmidtites* sp., recorded in this unit by Mergl (1986) at several localities were listed in Kraft *et al.* (2015) and they are not listed herein to occur in the Olešná Member. It is also the case of *Eosiphonotreta* sp. and *Hyperobolus* sp. from Zaječov – quarry near the school building. The latter species was reclassified by Mergl (2002) as *Rosobolus cf. robertinus* Havlíček, 1982. He also considered *R. robertinus* to occur in the Třenice Formation and the lowermost Olešná Member of the Klabava Formation. In the systematic part, Mergl (2002) mentioned this species as a part...
of the description of the erroneously labeled *Rosobolus robertinus* (Havlíček, 1982); it is clear from the paragraph on its occurrence. Subsequently, he listed it correctly and in the open nomenclature in Mergl (2002, tab. 1) in the “Olešná Beds Member” column. Its occurrence in the Olešná Member at that locality is stated at the pl. 18, fig. 11.

Institutional abbreviations:
MM – Czech Geological Survey, collection of Michal Mergl,
NM – National Museum in Prague,
PCZCU – Faculty of Education, University of West Bohemia.

LIST OF LOCALITIES

**Břežany – Na Babách Hill**

Geography: Old partly flooded quarry near the top of the low elevation called Na Babách (elevation point 267), west-south-west of its top, 1.5 km west of the village of Břežany II (distance and direction related to the chapel in the centre of the village), ~27 km east of centre of Prague. Cadastre of Břežany II, District of Kolín.

Lithology: Red to reddish-violet shale.

Kalat (1949): Na babách, nejvyšší polohy v jižní část lomu [uppermost layers in the southern part of the quarry].

(Although the locality is not related exactly to the Olešná Member in the paper its stratigraphic position is indicated by the lithology and colour of rock. Next study by Havlíček 1950 proved this assignment.)

*Orbiculioidea* sp.

hojná dosud neurčená fauna [abundant undetermined fauna]

Havlíček (1950): Lom na Babách [Na Babách Quarry].

(A brief, incomplete and joint list of taxa is published in this paper for this locality and for Úvaly. It is impossible to prove unequivocally the occurrences of those taxa at an individual locality. However, as only generally abundant genera are quoted it is very probable that the list is valid for both sites.)

*Orbiculioidea* d’Orbigny

*Lingulella* Salter

*Acrotreta* Kutorga

and others

Havlíček (1987): Lom “Na babách” u Břežany II [“Na babách” Quarry near Břežany II].

*Orbithele*

*Leptembolon*

*Conotreta*

Updated list of fauna: It is impossible to be reliably compiled.

**Cerhovice – Cerhovská hora Hill**

Geography: Old infilled quarries, and small natural exposures in the eastern and south-eastern slopes of the Cerhovská hora Hill (also called Třenická hora Hill) near the village of Cerhovice, ~1 km north-west of the village centre, western of Třenice. Cadastre of Cerhovice, District of Beroun.

Lithology: Red siltstone.

Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, p. 36; 2015, pp. 19–20).

Kettner (1916a): Cerhovská hora u Třenice [Cerhovská hora Hill near Třenice].

*Discina undulosa* Barr.

*Obolella complexa* Barr.

*Pyritonema Barrandei* Poč.

Koliha (1924): Cerhovská hora a Kvásek [Cerhovská hora and Kvásek]; Cerhovice. (We refer Cerhovská hora Hill and neighbouring Kvásek Hill together because in the list of occurrences of the species *Obolus complexus* they are not distinguished.)

*Obolus complexus* Barrande

*Lingulella insons* (Barr.) (Occurrence of this species is not allowed to refer to the locality unequivocally according to the record in the paper.)

*Lingulella insons* (Barr.) var. *lata* n. var.

Koliha (1924): Cerhovská hora a Kvásek [Cerhovská hora and Kvásek]; Cerhovice. (We refer Cerhovská hora Hill and neighbouring Kvásek Hill together because in the list of occurrences of the species *Obolus complexus* they are not distinguished.)

*Obolus complexus* Barrande

*Baroisella sodalis* Barr.

*Obolus complexus* (mentioned also as *Obolus compl.*)

jehlice hub druhu *Pyritonema* [spicules of sponge species *Pyritonema*]

Kraft (1928): Cerhovská hora.

Baroisella sodalis Barr.

Obolus complexus (mentioned also as *Obolus compl.*)

jehlice hub druhu *Pyritonema* [spicules of sponge species *Pyritonema*]


*Leptembolon insons testis* (Barrande, 1879)

*Lingulella lata* Koliha, 1924

*Elkanisca klouceki* (Koliha, 1918)
Elkanisca klouceki (Koliha, 1918)

Lingulella lata Koliha, 1924

Mergl (2002): Cerhovice (Cerhovská hora Hill); Cerhovice (Cerhovický vrch Hill); Cerhovice; Cerhovice (Cerhovská hora – Cerhovská hora Hill).
Leptembolon testis (Barrande, 1879)
Lingulella lata Koliha, 1924
Elkanisca klouceki (Koliha, 1918)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Teneobolus gracilis Mergl, 1995
Rowellella distincta Bednarczyk et Biernat, 1978
Dactylotreta prisca sp. n.
Celdobolus mirandus (Barrande, 1879)

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Teneobolus gracilis Mergl, 1995
Rowellella distincta Bednarczyk et Biernat, 1978
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Horní Kvaň – field
Geography: Debris in the fields extended along a low ridge near the south margin of the village of Kvaň, ~ 900 m east of the monastery in Zaječov (Coordinates of the artificial furrow excavated in 2006 which yielded a number of fossils: N 49° 46' 06.0" E 13° 51' 52.0"; Pl. 5, fig. 7). Kadastre of Kvaň, District of Beroun.
Lithology: Red siltstone and shale.
Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, p. 51; 2015, pp. 21–23).

Obolus complexus Barrande

Orbithele undulosa (Barrande, 1879)

Mergl (1986): Kvaň (KV); Kvaň.
Celdobolus mirandus
Leptembolon insons testis
Elkanisca klouceki
Orbithele undulosa
Conotreta turricula
Conotreta grandis

Elkanisca obesa (Havlíček, 1980)

Mergl (1995): Horní Kvaň (slope debris at the field); Horní Kvaň (slope debris of the field).
Elliptoglossa celdai sp. n.
Rowellella distincta Bednarczyk - Biernat, 1978

Mergl (2002): Kvaň (field); Kvaň (pole – field).
Leptembolon testis (Barrande, 1879)
Elliptoglossa celdai Mergl, 1995
Rowellella distincta Bednarczyk et Biernat, 1978
Elkanisca obesa (Havlíček, 1980)
Orbithele undulosa (Barrande, 1879)

Hatě – Vrahův potok Brook
Geography: Exposures on the eastern bank of a small, unnamed pond on the Vrahův potok Brook, in the forest 2.8 km south-south-east of the village of Hatě, on the ridge of Hřebeny. Kadastre of Dobříš, District of Příbram.
Lithology: Red siltstone, tuffaceous shale and rewashed tuff.

Havlíček & Šnajdr (1952): Profil podél potoka tekoucího k Hatím [The section along the brook flowing to Hatě].
spongie [sponges]
Obolus complexus Barr.
Lingulella insons (Barr.)
Acrotreta minima (Barr.)
Orbiculoidae sp.
and others

Teneobolus gracilis sp.n.
Rowellella distincta Bednarczyk - Biernat, 1978

Mergl (2002): Hatě (Vrahův potok creek); Hatě (Vrahův potok – Vrahův potok creek).
Leptembolon testis (Barrande, 1879)
Acrotreta foetida sp. n.
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)


Updated list of fauna:
Cyathophycus sp.
Leptembolon testis (Barrande, 1879)
Elliptoglossa celdai Mergl, 1995
Rowellella distincta Bednarczyk et Biernat, 1978
Elkanisca kloucekii (Koliha, 1918)
Orbithele undulosa (Barrande, 1879)
Acrotreta foetida Mergl, 2002
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Hostomice – Babí štola Gallery

Geography: Probe gallery mined on the southern slope of the Studený vrch Hill, ~ 3.5 km south-east of the centre of the village Hostomice. Cadastre of Dobříš, District of Příbram.
Lithology: Red-brown shale, siltstone and greyish sandstone.
Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, p. 23).

? Feistmantel (1880): Der Berg Baba, Baba bei Dobřisch [Baba Hill, Baba near Dobřisch]; Eisensteinbergbau Baba [Baba Iron Ore Mine]. (We quote this paper here. However, see Kraft et al. (2015) for discussion about the locality. The fossils were listed in the study on the Mílina Formation but their origin from the Olešná Member cannot be excluded.)
Lingula
eine kleine Obolus-Art [a small species of Obolus]

Kettner (1916b): Baba u Hostomic [Baba near Hostomice].
Obolus minimus
Obolella complexa
jehlice houbové, jehlice hub [sponge spicules]

Koliha (1924): Baba u Hostomic [Baba near Hostomice].
Obolus complexus Barrande

Bouček (1944a): “Babí štola” [“Babí štola” Gallery]; Baba.
Obolus sp. (juvenilní O. complexus?), mentioned also as Obolus (juvenilní Obolus complexus?) [juvenile] (This species was recorded in the violet shale which are of unresolved status. They can represent a part of the Olešná Member in that part of the basin but are considered as independent facies in the south-western part of the basin, in the Stary Plzenec area.)
Lingulella insons (Barr.) (Both from violet shale and the typical red facies of the Olešná Member at this locality.)
Obolus complexus Barr.
Orbiculoidea undulosa (Barr.)

Havlíček & Šnajdr (1952): Štola „na Babě“ pod Studeným vrchem [The gallery “at Baba“ below the Studený vrch Hill].
The authors referred to Bouček (1944a) and repeated the following taxa:
Obolus complexus Barr.
Lingulella insons (Barr.)
Orbiculoidea sodalis (Barr.)
Acrotreta minima (Barr.)

Updated list of fauna:
sponge spicules
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Hrádek – gorge

Geography: Exposures on the steep slopes of a short and deep gorge in Kocanda, in the north-western edge of the town of Hrádek, north-east of
street Za Mostem, along the road from Hrádek to Rokycany (no. 11724), north of the sharp curve. Cadastre of Nová Huť (part of Hrádek u Rokycan), District of Rokycany. Lithology: Brown-violet siltstone and sandstone.


Mergl (1997a): Hrádek (gorge); Hrádek, small gorge along the road to Strašice; Hrádek. *Lingulella lata* Koliha, 1924

Rowellella sp.

Collarotretella septata* sp. n. undescribed acrotretaceans

*Pidiobolus minimus* Mergl

*Teneobolus gracilis* Mergl

*Elliptoglossa celdai* Mergl

*Elkanisca obesa* (Havlíček)

*Celdobolus mirandus* (Barrande)

*Orbithele undulosa* (Barrande)

*Schizotreta* (?) sp.

Mergl (2002): Hrádek (gorge); Hrádek (gorge near the road to Dobřív). *Leptembolon testis* (Barrande, 1879)

*Lingulella lata* Koliha, 1924

Rowellella sp.

*Collarotretella septata* sp. n.

*Eoschizotreta veterna* sp. n.

*Dactylotreta prisca* sp. n.

*Celdobolus mirandus* (Barrande, 1879)

*Collarotretella septata* Mergl, 1997

Updated list of fauna:

*Leptembolon testis* (Barrande, 1879)

*Lingulella lata* Koliha, 1924

*Teneobolus gracilis* Mergl, 1995

*Elliptoglossa celdai* Mergl, 1995

*Elkanisca obesa* (Havlíček, 1980)

*Rowellella* sp.

*Eoschizotreta veterna* Mergl, 2002

*Dactylotreta prisca* Mergl, 2002

*Celdobolus mirandus* (Barrande, 1879)

*Collarotretella septata* Mergl, 1997

**Hůrky**

Geography: Former exposure on the slope above the Hůrecký potok Brook south of the village centre (municipality), at the place called “Na škrobu”. Cadastre of Hůrky u Rokycan, District of Rokycany. Lithology: Reddish-brown siltstone.

Kraft (1928): Hůrky. *Obolus complexus*

Updated list of fauna:

*Celdobolus mirandus* (Barrande, 1879)

**Jívina Hill**


Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, p. 52; 2015, p. 24).

? Feistmantel (1885): Ivina. Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae].

? Krejčí & Feistmantel (1885): Ivina. The authors referred to Feistmantel (1885) and repeated the following information: Reste von Spongien, zahlreichen Nadeln [sponge remains, numerous spicules]

? Krejčí & Feistmantel (1889): Ivina. (The same as Krejčí & Feistmantel 1885) zbytky hub, četné jehlice [sponge remains, numerous spicules]


Mergl (1986): Jívina (JI); Jívina. *Leptembolon insons testis* *Orbithele undulosa* *Conotreta turricula* *Celdobolus mirandus*
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)

Updated list of fauna:
sponge spicules
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)

Jívina – quarries

Geography: Abandoned quarries in a now forested area along the road (no. 117) from the village of Jívina to the town of Komárov, some 800 m north-north-east of the centre of Jívina. (Coordinates of the main quarry with the Mílina Formation read from map: N 49° 47' 56.5" E 13° 50' 17.0").
Cadastre of Jívina, District of Beroun.
Lithology: Red siltstone.
Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, pp. 51–52; 2015, pp. 23–24).
Mergl (2002): Jivina (old quarries); Jivina (staré lomy – old quarries).
Leptembolon testis (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Dactylotreta prisca sp. n. Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Kleštěnice – Jalový potok Brook

Geography: Natural exposures on the steep slope on the right bank (i.e. east the stream) of the Jalový potok Brook near the village of Kleštěnice, ~ 1.3 km south-west of the castle in Komárov. Cadastre of Kleštěnice, District of Beroun.
Lithology: Red siltstone and shale.
Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, p. 52; 2015, pp. 24–25).
Mergl (1986): Komárov; Komárov (KO).
Leptembolon insons testis
Orbithele undulosa
Celdobolus mirandus
Mergl (2002): Kleštěnice (section along the Jalový potok creek); Komárov (section along the Jalový potok creek); Kleštěnice (profil podél Jalového potoka – section along the Jalový potok creek).
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879) (*)

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Komárov

Geography: A cumulative name for localities in surroundings of the town of Komárov, usually unspecified. In one case, an exact place near Komárov, which cannot be related to any other locality or fossil record, is placed on the list. District of Beroun.
Lithology: Siltstone.
Remark: The fossil site or, maybe, sites of the Mílina Formation also appeared under this cumulative name (Kraft et al. 2015, p. 25).
Jahn (1904a): Jjz od Komárova u coty 400 (1 : 25,000)... v úhlu zatáčky... silnice ... ve větším lomu [SSW of Komárov near the elevation point 400 m (1 : 25,000) ... in the road curve ... in a larger quarry] (Note that the site is related to the elevation point in the map of the 3rd Military Survey); Komárov.
(Based on the lithotypes described in the text it is very probable that the following list published therein is a mixture of taxa collected in the Mílina Formation and the Olešná Member. It was not mentioned by Kraft et al. 2015. That is why it is quoted with reserve herein.)
Barroisella transiens Barr. sp.
Barroisella insons Barr. sp.
Lingula miranda Barr.
Discina undulosa Barr.
Discina n. sp.
Obolella complexa Barr. sp. (mentioned also as Obolus? (Obolella) complexus Barr.)
Obolella n. sp.
nejspíše Obolella advena Barr. sp. [probably]
nejspíše Acrothele bohemica Barr. sp. [probably]
Jahn (1904b): Südsüdwestlich von Komorau bei der Kote 400 (1 : 25,000) ...die Straße ... in dem Winkel dieser Biegung ... ein Aufschluß [SSW of Komorau near the elevation point 400 m (1 : 25,000) ... in the road curve ... in an exposure].
(The same remarks to the elevation point and the list of species as seen above are also relevant here.)
Barroisella transiens Barr. sp.  
Barroisella insons Barr. sp.  
Lingula miranda Barr.  
Discina undulosa Barr.  
Discina n. sp.  
Obolella complexa Barr. sp.  
Obolella n. sp.  
vielleicht Obolella advena Barr. sp. [probably]  
vielleicht Acrostehe bohemia Barr. sp. [probably]
Koliha (1924): Komárov.  
Obolus complexus Barrande  
Lingulella insons (Barr.)
Kraft (1928): Jívina - Komárov; při silnici z Komárova do Sv. Dobrotivé, na levé straně stráně [near the road from Komárov to Sv. Dobrotivá, on the left side of the slope]. (The location of this site is questionable. Deduced from the chapter title in the book it is situated in the area between or around Jívina and Komárov. The specification in the text shows that it can be the foot part of the eastern slope of Jívina Hill above the Jalový potok Brook rather than the locality Kleštěnice – Jalový potok Brook. However, because of the uncertainty of its location it is listed herein in the widely understood locality Komárov.)
Obolus compl. Barr. [the species name is an abbreviation of complexus]
Kraft (1928): Jívina.  
Based on a revision of type material the species of Barrande (1879) are only repeated as:  
Lingula miranda  
Lingula testis
Koliha (1924): Medový Újezd.  
Obolus complexus Barrande
Kraft (1928): Medový Újezd.  
Obolus complexus
Orbithele undulosa (Barrande, 1879)
Celdobolus mirandus (Barrande, 1879)
Mergl (2002): Medový Újezd (quarry); Medový Újezd (lom – quarry).  
Leptembolon testis (Barrande, 1879)  
Orbithele undulosa (Barrande, 1879)  
Dactylotreta prisca sp. n. (*)  
Celdobolus mirandus (Barrande, 1879) (*)
Koliha (1924): Komárov.  
Obolus complexus Barrande  
Lingulella insons (Barr.)
Kraft (1928): Jívina - Komárov; při silnici z Komárova do Sv. Dobrotivé, na levé straně stráně [near the road from Komárov to Sv. Dobrotivá, on the left side of the slope]. (The location of this site is questionable. Deduced from the chapter title in the book it is situated in the area between or around Jívina and Komárov. The specification in the text shows that it can be the foot part of the eastern slope of Jívina Hill above the Jalový potok Brook rather than the locality Kleštěnice – Jalový potok Brook. However, because of the uncertainty of its location it is listed herein in the widely understood locality Komárov.)
Obolus compl. Barr. [the species name is an abbreviation of complexus]
Updated list of fauna: The lists above can include fossils from several sites in the Komárov area. Thus, it is purposeless to compile a single faunal list.

**Medový Újezd – Hradiště**

Geography: Outcrops in an abandoned, small, shallow quarry on the hill south-east of the village.  
Cadastre of Medový Újezd, District of Rokycany.  
Lithology: Red siltstone.  
Remark: This locality could be confused with that or those related to the hill of the same name near Stradonice (see below). The fossiliferous Třenice Formation also occurs at this locality. For details see Kraft et al. (2013, p. 56).  
Barrande, J. (1879): Hradišcht.  
Lingula testis. Barr.  
Lingula miranda. Barr.  
Jahn (1904a): Hradiště.  
Based on a revision of type material the species of Barrande (1879) are only repeated as:  
Lingula miranda Barr.  
Lingula testis Barr.  
Jahn (1904c): Hradiště.  
The same approach as Jahn (1904a).  
Koliha (1924): Hradiště.  
Lingulella insons (Barr.)
Havlíček (1982a): Medový Újezd (Hradiště); Hradiště near Medový Újezd.
*Leptembolon insons testis* (Barrande, 1879)
*Celdobolus mirandus* (Barrande, 1879)

Mergl (2002): Medový Újezd (Hradiště; Hradiště in original spelling).
*Leptembolon testis* (Barrande, 1879)

Updated list of fauna:
*Leptembolon testis* (Barrande, 1879)
*Celdobolus mirandus* (Barrande, 1879)

**Mílina Hill**

Geography: Abandoned quarries on the top and the western and north-western slope of the Mílina Hill, ~ 1.2 km south of the chapel in the village of Olešná. Cadastre of Olešná, District of Beroun.

Lithology: Reddish-brown siltstone and sandstone.

Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, pp. 25–27).

Barrande (1879): Milinsky Wrch, přes Woleschna [Milinsky Wrch Hill, near Woleschna].
*Obolus? complexus* Barr.

Feistmantel (1885): Der Milineberg bei Woleschna [Milinisky Wrch Hill near Woleschna]; der Maliner Berge [Malinsky Hill].
Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae].

Počta (1898a): Milínky vrch u Olešné [Milinsky vrch Hill near Olešná].
*Pyritonema Feistmanteli* Počta

Počta (1898b): Milín.
*Pyritonema Feistmanteli* Počta

Jahn (1904a): Milinsky Vrch u Olešné [Milinsky Vrch Hill near Olešná]; Milinsky (Malinsky) vrch [Milinsky (Malinsky) vrch Hill].
Based on a revision of type material the species of Barrande (1879) are only repeated as:
*Obolus? (Obolella) complexus* Barr. (mentioned also as *Obolella complexa*).

Jahn (1904c): Milinsky Vrch přes Olešná [Milinsky Vrch Hill near Olešná]; Malinsky Vrch; Milin; Milinsky (Malinsky) Vrch.
The same approach as Jahn (1904a):
*Obolus? (Obolella) complexus* Barr. (mentioned also as *Obolella complexa*).

*Obolella complexa* Barr.

Kettner (1916a): Vrch Mílina (563) jižně od Olešné [Mílina Hill (elevation point 563) south of Olešná].
*Obolella complexa*

Koliha (1924): Milina.
*Obolus complexus* Barrande
*Lingulella insons* (Barr.)

Kraft (1928): Vrch Milina [Milina Hill].
*Baroisella insons* 
*Obolus minimus* 
*Acrotreta* sp.

drobné jehličky hub [minute sponge spicules].

*Orbithele undulosa* (Barrande, 1879)

*Leptembolon insons testis* (Barrande, 1879)
*Lingulella lata* Koliha, 1924 (One specimen from this locality is figured under the erroneous name *Lingulella lata* (Koliha) but the locality is not listed in the paragraph on occurrences in the systematic part.)

Mergl (1986): Milina; Milina (MI).
*Leptembolon insons testis* 
*Orbithele undulosa* 
*Celdobolus mirandus* 
*Conotreta turricula* 
*Conotreta grandis*

Mergl (2002): Milina Hill; Milina (quarry); Milina (Milina Hill).
*Leptembolon testis* (Barrande, 1879)
*Elliptoglossa celdai* Mergl, 1995
*Orbithele undulosa* (Barrande, 1879)
*Dactylotreta prisca* sp. n. (*)
*Celdobolus mirandus* (Barrande, 1879) (*)

Updated list of fauna:
Cyathophycus sp.
Leptembalon testis (Barrande, 1879)
Elliptoglossa celdai Mergl, 1995
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)
Jivinella sp.

Olešná – quarry

Geography: Old, abandoned quarry in the small forested area along the eastern side of the Olešná – Komárov road (no. 117), 350 m north-north-east of the chapel in the village of Olešná. (Coordinates read from map: N 49° 47' 06.0” E 13° 48' 52.0”). Cadastre of Olešná, District of Beroun. Lithology: Red siltstone.
Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, pp. 27–33).

Klouček (1915): Olešná.
Obolella complexa Barr.

Kettner (1916a): Olešná; východnější lom u Olešné [eastern quarry near Olešná].
Obolella complexa Barr.

Klouček (1917): Olešná.
Obolella complexa Barr.
Obolella complexa Barr., větší varieta [larger variety]

Koliha (1924): Olešná.
Obolus complexus Barrande
Obolus Nováčí (Klouček)
Lingulella insons (Barr.) var. lata n. var.

Kraft (1928): Olešná (za Olešnou po pravé straně silinice do Jiviny, na svahu vršku /k. 510/, lom bližší k obci) [behind Olešná, on the right side of the road to Jivina, on the slope of the hill (elevation point 510 m), the quarry closer to the village].
Baroisella insons
Orbiculoidea undulosa
Obolus complexus
jehlice hub [sponge spicules]

Obolus complexus
Lingulella insons
Orbiculoidea undulosa (The mentioned species are referred to the “Schichten von Olešná” [Beds from Olešná] which indicates the stratigraphic level. However, it can be also understood in the geographic sense referring to the typical locality.)

? Koliha (1937): Olešná. (It was mentioned as Schistes d’Olešná [Olešná Shale]).
Obolus complexus
Ob. kloučeki
Lingulella insons
Orbiculoidea sodalis undulosa etc.

Lingulella lata Koliha, 1924
Elkanisca kloučeki (Koliha, 1918)
Celdobolus mirandus Barrande, 1879

Mergl (1986): Olešná; Olešná (OL).
Leptembalon insons testis
Orbithele undulosa
Celdobolus mirandus
Schmiditites sp.
Conotreta turricula

Teneobolus gracilis sp. n.

Mergl (2002): Olešná (quarry); Olešná (quarry, unit F); Olešná (lom – quarry).
Leptembalon testis (Barrande, 1879)
Lingulella lata Koliha, 1924
Teneobolus gracilis Mergl, 1995
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879)
Eosiphonotreta krafti (Růžička, 1927)

Hexactinellida gen. et sp. indet. A
Hexactinellida gen. et sp. indet. C

Mergl (2008): Abandoned small quarry E of the Olešná village; small quarry near Olešná village; Olešná.
Cyathophycus sp.
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Updated list of fauna:
Cyathophycus sp.
Leptembalon testis (Barrande, 1879)
Lingulella lata Koliha, 1924
Teneobolus gracilis Mergl, 1995
Elkanisca klouceki (Koliha, 1918)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)
Eosiphonotreta krafti (Růžička, 1927)

Praha – Kunratický hrádek

Geography: Small outcrops in the eastern part of the moat of Nový Hrádek Castle (called also Nový hrad or Kunratický Hrádek), on the eastward slope below the ruins, near the bridge on the access road from Kunratic. Cadastre of Kunratice, District of Hlavní město Praha [Capital city Prague]. Lithology: Pale red weathered siltstone, fine-grained violet greywacke with laminae of coarse detritus.


Conotreta turricula Havlíček


Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n.

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002

Rokycany – Kotel Hill

Geography: Old shallow pit iron mine; small pits located on the forested north slope of the Kotel Hill, ~ 200 m north-north-east of the saddle between the Kotel and Kotlík hills, between historical and current (no. 11732) roads from Rokycany to Veselá. (GPS coordinates of the centre of the pit field: N 49° 42' 52.4" E 13° 36' 28.2".) Cadastre of Kamenný Újezd u Rokycan, District of Rokycany. Lithology: Red siltstone.

? Feistmantel (1885): Rokycany.
Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae].

? Počta (1898a): Rokycany.
Pyritonema Feistmanteli Počta

? Počta (1898b): Rokycany.
Pyritonema Feistmanteli Počta

Purkyně (1914): Kotel, ohyb silnice vedoucí z Rokycany do Veselé, ještě severní svah a velmi blízko čáry spojující vrchol Kotel s hřebenem Kotlíku [Kotel, curve of the road from Rokycany to Veselá, further north slope, and very close to the line interconnecting the top of the Kotel Hill and range of the Kotlík Hill].

Obolella sp. (complexa?)
Obolella sp. (příbuzná O. advena) [related to O. advena]
Discina undulosa
Barroisella insons (mladý exemplář) [young specimen]
Lingula aff. miranda

Kettner (1916b): Kotel.
Obolella sp. (complexa?)
Discina undulosa
Barroisella insons
Lingula aff. miranda
Obolella sp. (příbuzná O. advena) [related to O. advena]

Koliha (1924): Kotel u Rokycan.
Obolus complexus Barrande
Lingulella insons (Barr.)

Kraft (1928): Kotel u Rokycan.
Obolus complexus

Conotreta turricula sp. n.

Leptembolon testis (Barrande, 1879)
Lingulella lata Koliha, 1924
Elliptoglossa celdai Mergl, 1995

Updated list of fauna:
sponge spicules
Leptembolon testis (Barrande, 1879)
Lingulella lata Koliha, 1924
Elliptoglossa celdai Mergl, 1995
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Stradonice

Geography: Exact locality unknown. Unspecified locality or localities near Stradonice and Nová Huť (a part of Nižbor nowadays), ~ 6 km north-west of Beroun city centre. Cadastres of Stradonice u Nižboru and Nižbor, District of Beroun.
Lithology: Red siltstone.
Remark: We mention two references under this cumulative name. It may be that both represent a single forgotten fossil site. If there are two historical sites they were situated nearby, both probably on the slope of Hradiště Hill.

Feistmantel (1885): Der Berg Hradischt bei Nischburg [Hradischt Hill near Nischburg]; der Berg Hradischt (bei Nischburg) [Hradischt Hill (near Nischburg)].
Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae].

Krejčí & Feistmantel (1885): Hradiště.
The authors referred to Feistmantel (1885) and repeated the following information:
Reste von Spongien, zahlreichen Nadeln [sponge remains, numerous spicules]

Krejčí & Feistmantel (1890): Hradiště.
The same as Krejčí & Feistmantel 1885

Krejčí (1892): Hradiště.
Acanthospongia siluricnsis M’Coy

Počta (1898a): Vrch Hradiště u Nové Huti.
Pyritonema Feistmanteli Počta

Počta (1898b): Hradiště.
Pyritonema Feistmanteli Počta

Kettner (1916a): Stradonice u Nové Huti [Stradonice near Nová Huť].
Obolella complexa (Obolella) advena

Koliha (1924): Stradonice u Nové Huti.
Obolus complexus Barrande

Updated list of fauna:
sponge spicules
Celdobolus mirandus (Barrande, 1879)

**Strašice – centre**

Geography: Temporary excavations in the centre of the village, at the main street between the school building (house no. 531) and the post office (no. 566). Cadastre of Strašice, District of Rokycany.
Lithology: Red-brown siltstone.

Mergl (2002): Strašice (E margin); Strašice (town);

Celdobolus mirandus (Barrande, 1879)
Elliptoglossa celdai Mergl, 1995

Updated list of fauna:
Elliptoglossa celdai Mergl, 1995
Celdobolus mirandus (Barrande, 1879)

**Strašice – east**

Geography: Road-cut of and surrounding fields around the former "panel" army road in the fields (Pl. 5, fig. 2) near the north-eastern edge of the village of Strašice, ~ 950 m north-east of the St. Lawrence (sv. Vavřinec) Church, ~ 400 m south-east of the crossing of the army road and the road from Strašice to Olešná (no. 117). (GPS coordinates: N 49° 44' 43.4" E 13° 46' 16.6".) Cadastre of Strašice, District of Rokycany.

Lithology: Red-brown siltstone.

Orbithele undulosa (Barrande, 1879)

Havlíček (1982a): Strašice; Strašice (boring).

(According to personal experience of M.M., V. Havlíček predominantly studied the material, referred to the location of Strašice, from the outcrop at Strašice – east. It is why we list the reference here even if we are not able to identify a boring and distinguish the material from it.)

Leptembolon insons testis (Barrande, 1879)
Celdobolus mirandus (Barrande, 1879)

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Plate 1. The most common lingulate brachiopods of the Olešná Member, Klabava Formation.

Plate 1.
Mergl (1986): Strašice (ST); Strašice. 
*Celdobolus mirandus*

*Leptembolon insons testis*

*Orbithele undulosa*

*Conotreta turricula*


*Elliptoglossa celdai* sp. n.

Mergl (2002): Strašice (east); Strašice (východ – east).

*Leptembolon testis* (Barrande, 1879)

*Elliptoglossa celdai* Mergl, 1995

*Celdobolus mirandus* (Barrande, 1879)

Mergl & Duršpek (2006): Strašice (east); Strašice, east.

*Hexactinellida gen. et sp. indet. A Anakrusa feistmanteli* (Počta, 1898)

Updated list of fauna:

*Anakrusa feistmanteli* (Počta, 1898)

*Cyathophycus* sp.

*Leptembolon testis* (Barrande, 1879)

*Elliptoglossa celdai* Mergl, 1995

*Orbithele undulosa* (Barrande, 1879)

*Dactylotreta prisca* Mergl, 2002

*Celdobolus mirandus* (Barrande, 1879)

*Drepanodus* sp.

*Drepanoistodus* sp.

**Strašice – field near St. Vavřinec**

Geography: Temporary excavations, limited outcrops and loose stones in the field near the road from the centre of the village to the St. Lawrence (sv. Vavřinec) Church, south-west of the church, and the field east of the church. Cadastre of Strašice, District of Rokycany.

Lithology: Red-brown siltstone.

Remark: The fossils collected in the fields near the St. Lawrence (sv. Vavřinec) Church and the cemetery have been referred to the single, widely understood locality. We can specify two different sites inside this area:

a) The field west of the road from the centre of Strašice to the church, the margin of which is 200 m south-west of the church. A temporary excavation was dug out there in past. The bedrock is very shallow in its north-eastern corner and along its eastern limit (Pl. 5, fig. 1). Thus, it can be partly exposed after ploughing and loosed stones are concentrated at that place (GPS coordinates: N 49° 44' 20.0" E 13° 45' 33.9"). The references of Mergl (1994, 1995, 1997a and 2002) below are related to this part of the locality.

b) The marginal zone of the field east of the church (GPS coordinates: N 49° 44’ 25.3" E 13° 45’ 41.0" and around.) The sponge material described by Mergl & Duršpek (2006) was collected in that part.


*Elkanisca obesa* (Havlíček, 1980)

Mergl (1995): Strašice (temporary excavation); Strašice, temporary excavation in a field west to the Vavřinec Church; Strašice.

*Teneobolus gracilis* sp. n.

Plate 2. Organophosphatic microbrachiopods of the Olešná Member, Klabava Formation from the locality Těně – west (sandstone, bed H of Mergl 1986).

Plate 2.
Mergl (1997a): Strašice (temporary excavation); Strašice (excavation); Strašice. 
Lingulella lata Koliha, 1924 
Celdobolus mirandus (Barrande) 
undeterminable acrotretids 
Teneobolus gracilis Mergl 
Elkanisca obesa (Havlíček) 
Elliptoglossa celdai Mergl 
Siphonotretella sp. 
Orbithele undulosa (Barrande) 
Mergl (2002): Strašice (field near St. Vojtěch); Strašice (temporary excavation in a field W to the St. Vojtěch Church); Strašice (field); Strašice (pole u sv. Vojtěcha – field near St. Vojtěch). 
Leptembolon testis (Barrande, 1879) 
Lingulella lata Koliha, 1924 
Teneobolus gracilis Mergl, 1995 
Elkanisca obesa (Havlíček, 1980) 
Orbithele undulosa (Barrande, 1879) 
Celdobolus mirandus (Barrande, 1879) 
Siphonotretella filipi sp. n. 
Mergl & Duršpek (2006): Strašice (field near St. Vojtěch); Strašice (St. Vojtěch); Strašice, St. Vojtěch. 
Hexactinellida gen. et sp. indet. A 
Anakrusa feistmanteli (Počta, 1898) 
Updated list of fauna: 
Anakrusa feistmanteli (Počta, 1898) 
Cyathophycus sp. 
Leptembolon testis (Barrande, 1879) 
Lingulella lata Koliha, 1924 
Teneobolus gracilis Mergl, 1995 
Elliptoglossa celdai Mergl, 1995 
Elkanisca klouček (Koliha, 1918) 
Orbithele undulosa (Barrande, 1879) 
Celdobolus mirandus (Barrande, 1879) 
Siphonotretella filipi Mergl, 2002

**Svárov**

**Geography:** Exact locality unknown, probably cumulative name for several exposures. Probably cadastre of Svárov, District of Kladno.

**Lithology:** Silstone.

**Remark:** The fossiliferous Třenice Formation also occurs at this locality. For details see Kraft et al. (2013, p. 57).

Barrande, J. (1879): Swarow; Svarov. 
*Obolus? advena.* Barr.

Obolus minimus. Barr. 
Discina undulosa. Barr. 
Lingula insons. Barr. 
Wentzel (1891): Svaro v. 
Discina undulosa. Barr. 
Lingula insons. Barr. 
Jahn (1904a): Svárov. 
Based on a revision of type material the species of Barrande (1879) are only repeated as: 
Discina undulosa Barr. 
Lingula (Barroisella) insons Barr. (mentioned also as Barroisella insons) 
*Obolus (Obolella) advena* Barr. (mentioned also as Obolella advena) 
*Obolus minimus* Barr.

Jahn (1904c): Svárov. 
The same approach as Jahn (1904a): 
Discina undulosa Barr. 
Lingula (Barroisella) insons Barr. (mentioned also as Barroisella insons) 
*Obolus (Obolella) advena* Barr. (mentioned also as Obolella advena) 
*Obolus minimus* Barr.

Klouček (1920): Svárov, podél nové silnice u táhlého lomu [along the road near an elongated quarry]. (It probably represented the quarry situated ~ 900 m south-south-west of the pond in Svárov on the map by Vála a Helmhacker 1872, 1874.) 
*Obolus complexus* Barr. 
Ob. ancillus

Koliha (1924): Svárov. 
*Obolus complexus* Barrande 
*Lingulella insons* (Barr.) 
*Leptembolon insons testis* (Barrande, 1879)

*Leptembolon testis* (Barrande, 1879) 
Elliptoglossa celdai Mergl, 1995 
Dactylotreta prisca sp. n. 
Celdobolus mirandus (Barrande, 1879)

Updated list of fauna: 
*Leptembolon testis* (Barrande, 1879) 
Elliptoglossa celdai Mergl, 1995 
*Orbithele undulosa* (Barrande, 1879) 
*Dactylotreta prisca* Mergl, 2002 
*Celdobolus mirandus* (Barrande, 1879)
Plate 3. Other fossils of the Olešná Member, Klabava Formation.


**Svatá – Vraní skála**

Geography: The historical locality of an unknown exact location. All fossils were collected by J. Barrande, subsequently revised with occurrence referred to the original designation. Chlupáč (2002) related the original name Rabenberg (see below) tentatively to unidentified outcrops on the Vraní skála Hill, the low forested range between the villages of Hředle and Svatá. Cadastre of Svatá, District of Beroun.

Lithology: Red siltstone.

Barrande (1879): Rabenberg [Raven Hill].

*Lingula transiens*. Barr.

*Obolus? complexus*. Barr.

*Lingula ancilla*. Barr.

Jahn (1904a): Krkavčí hora; Krkavčí Hora [Raven Hill].

Based on a revision of type material the species of Barrande (1879) are only repeated as:

*Lingula ancilla* Barr.

*Lingula* (*Barroisella*) *transiens* Barr. (mentioned also as *Barroisella transiens*)

*Obolus?* (*Obolella* complexus) Barr. (mentioned also as *Obolella complexa*)

Jahn (1904c): Krkavčí Hora (= Rabenberg) [Raven Hill]; Krkavčí Hora.

The same approach as Jahn (1904a):

*Lingula ancilla* Barr.

*Lingula* (*Barroisella*) *transiens* Barr. (mentioned also as *Barroisella transiens*)
Obolus? (Obolella) complexus Barr. (mentioned also as Obolella complexa)

Koliha (1924): Krkavčí hora [Raven Hill].
Obolus complexus Barrande
Lingulella insons (Barr.)

Leptembolon insons testis (Barrande, 1879)

Updated list of fauna:
Leptembolon testis (Barrande, 1879)
Celdobolus mirandus (Barrande, 1879)

Svatá Dobrotivá

Geography: Not specified locality or localities in Svatá Dobrotivá, the part of the village of Zaječov. One of them is apparently Zaječov – quarry near the school building (see below) but it may include exposures near the monastery and possibly also loose boulders in the topsoil of the surrounding fields. Cadastre of Zaječov, District of Beroun.
Lithology: Red-brown siltstone.
Remark: The fossiliferous locality or localities of the Milina Formation also appeared under this cumulative name (Kraft et al. 2015, pp. 33–34).

Discina undulosa. Barr.

Feistmantel (1885): St. Benigna.
Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae].

Krejčí & Feistmantel (1885): St. Benigna.
The authors referred to Feistmantel (1885) and repeated the following information:
Reste von Spongien, zahlreichen Nadeln [sponge remains, numerous spicules]

The same as Krejčí & Feistmantel 1885) zbytky hub, četné jehlice [sponge remains, numerous spicules]

Wentzel (1891): St. Benigna.
Discina undulosa. Barr.

Acanthospongia siluriensis M’Coy

Pyritonema Feistmanteli Počta

Pyritonema Feistmanteli Počta

Based on a revision of type material the species of Barrande (1879) are only repeated as: Discina undulosa Barr.
Lingula (Barroisella) insons Barr. (mentioned also as Barroisella insons)

The same approach as Jahn (1904a):
Discina undulosa Barr.
Lingula (Barroisella) insons Barr. (mentioned also as Barroisella insons)

Obolella complexa (It is not possible to decide unequivocally if the author refers to a find of the species or only to the stratigraphic level typical by the species.)

Orbithele undulosa (Barrande, 1879)

Mergl (2002): Zaječov (Svatá Dobrotivá) (Sta. Benigna in original spelling); Zaječov (Svatá Dobrotivá).
Orbithele undulosa (Barrande, 1879)

Mergl & Duršpek (2006): Zaječov (Svatá Dobrotivá); Zaječov.
Hexactinellida gen. et sp. indet. A
Hexactinellida gen. et sp. indet. C
Anakrusa feistmanteli (Počta, 1898)

Updated list of fauna:
Anakrusa feistmanteli (Počta, 1898)
Cyathophycus sp.
Orbithele undulosa (Barrande, 1879)

Těně – road-cut

Geography: Exposure in the cut of the road from Těně to Cheznovice (no. 11719) north-west of the village, ~ 450 m north-west of the chapel in the village. We suppose that nearby was a small quarry in past. Cadastre of Těně, District of Rokycany.
Lithology: Red greywacke and siltstone.

Kettner (1916a): Těně; sz. od Tění u cesty vedoucí ku strašické silnici, malý lom po levé straně cesty mezi kotami 549 a 517 [north-west of Těně near a path leading to the road to Strašice, a small quarry on the left side of the path between the elevation points 549 and 517. (Note that the elevation points are in the map of the so-called Third Military Survey, 1877–1880, 1 : 25,000.)].
Plate 4. Other fossils of the Olešná Member.

1–7 – Euconodonts: 1, 2 – *Drepanoistodus* sp., PCZCU 2139, PCZCU 2140; 3, 4, 7 – *Drepanodus* sp., uncoated and coated (3, 4), uncoated (7), PCZCU 2141, PCZCU 2242; 5, 6 – *Drepanoistodus* sp., PCZCU 2143, PCZCU 2144, all Strašice – east.

8 Hyalosponge *Cyathophyceus* sp.: part of the body, NM L 39308, Olešná – quarry. 9 Trace fossil *Cruziana* isp.: PCZCU 2146, Záječov – Jalový potok Brook. Scale bars equal 0.5 mm (1–7), and 10 mm (8, 9); Uncoated except of fig. 4.

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**Obolella complexa**

**Obolus minimus**

aj. [and others]

Koliha (1924): Těně. (Although mentioned under the name of the village the exact locality is determined as referred to Kettner 1916a.)

**Obolus complexus** Barrande

Kraft (1928): Těně; po pravé straně cesty vedoucí do Těn ze silnice strašické, mezi k. 549 a 517 [on the right side of the road to Těně from Strašice road, between the elevation points 549 and 517]. (For specification see above.)

**Obolus complexus**

**Ob. minimus**

Mergl (1986): Těně – sever (TN); Těně-sever.

**Leptembolon insons testis**

**Orbithele undulosa**

**Conotreta turricula**

**Celdobolus mirandus**

Mergl (2002): Těně (road cut); Těně (silniční zářez – road cut).

**Leptembolon testis** (Barrande, 1879)

**Celdobolus mirandus** (Barrande, 1879)

Updated list of fauna:

**Leptembolon testis** (Barrande, 1879)

**Celdobolus mirandus** (Barrande, 1879)
Těně – village


Mergl (2002): Těně (village); Těně (obec – village). Leptembolon testis (Barrande, 1879) Orbithele undulosa (Barrande, 1879) Celdobolus mirandus (Barrande, 1879)


Updated list of fauna:
Cyathophycus sp.
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Celdobolus mirandus (Barrande, 1879)

Těně – west

Geography: Exposure on the top of a low, flat knoll (Pl. 5, figs 3, 4) near the Strašice – Těně dirt road, 550 m west of the chapel in the village of Těně. (GPS coordinates: N 49° 45’ 02.8” E 13° 47’ 11.4”). Cadastre of Těně, District of Rokycany. Lithology: Red-brown siltstone and shale. Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, p. 34).

Havlíček (1982a): Těně. Leptembolon insons testis (Barrande, 1879) Celdobolus mirandus (Barrande, 1879)


Kraft & Mergl (1989): Těně. "Palaeoscolex" tenensis sp. n. (Mentioned erroneously in explanation of pl. 1 as "Palaeoscolex" tenensis gen. et sp. n.)

Hinz et al. (1990): Tene. ‘Palaeoscolex’ tenensis Kraft & Mergl, 1989 (Note an error in the species name.)

Mergl (2002): Těně (west); Těně (west, units E, H, I); Těně (west, units H, I); Těně (west, bed H); Těně (západ – west). Leptembolon testis (Barrande, 1879) Teneobolus gracilis Mergl, 1995 Rafanoglossa platyglossa Havlíček, 1982

Rowellella sp.
Schmidites sp. (in the text mentioned as undescribed, minute obolids (similar to Schmidites))
Jivinella slaviki
Palaeoscolex sp.
Conotreta turricula
odolids indet. (obolids should be correct)
Conotreta grandis


Havlíček (1982a): Těně. Leptembolon insons testis (Barrande, 1879) Celdobolus mirandus (Barrande, 1879)

Mergl (1986): Těně – západ [Těně – west]; Těně – západ (TE); Těně-západ. Leptembolon insons testis Orbithele undulosa Celdobolus mirandus Elkanisca klouceki

Těně – west

Geography: Exposure on the top of a low, flat knoll (Pl. 5, figs 3, 4) near the Strašice – Těně dirt road, 550 m west of the chapel in the village of Těně. (GPS coordinates: N 49° 45’ 02.8” E 13° 47’ 11.4”). Cadastre of Těně, District of Rokycany. Lithology: Red-brown siltstone and shale. Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, p. 34).

Havlíček (1982a): Těně. Leptembolon insons testis (Barrande, 1879) Celdobolus mirandus (Barrande, 1879)


Kraft & Mergl (1989): Těně. "Palaeoscolex" tenensis sp. n. (Mentioned erroneously in explanation of pl. 1 as "Palaeoscolex" tenensis gen. et sp. n.)

Hinz et al. (1990): Tene. ‘Palaeoscolex’ tenensis Kraft & Mergl, 1989 (Note an error in the species name.)

Mergl (2002): Těně (west); Těně (west, units E, H, I); Těně (west, units H, I); Těně (west, bed H); Těně (západ – west). Leptembolon testis (Barrande, 1879) Teneobolus gracilis Mergl, 1995 Rafanoglossa platyglossa Havlíček, 1982

Rowellella sp.
Schmidites sp. (in the text mentioned as undescribed, minute obolids (similar to Schmidites))
Jivinella slaviki
Palaeoscolex sp.
Conotreta turricula
odolids indet. (obolids should be correct)
Conotreta grandis


Havlíček (1982a): Těně. Leptembolon insons testis (Barrande, 1879) Celdobolus mirandus (Barrande, 1879)

Mergl (1986): Těně – západ [Těně – west]; Těně – západ (TE); Těně-západ. Leptembolon insons testis Orbithele undulosa Celdobolus mirandus Elkanisca klouceki

Plate 5. Localities of the Olešná Member, Klabava Formation.
1 – Strašice – field near St. Vavřinec, part a): the field south-west of the church, blocks of the fossiliferous siltstone, visible on the surface in the lower left corner, can be traced along the field margin where the collector hammers them; 2 – Strašice – east: low slope of the road-cut with exposure of the Olešná Member; 3, 4 – Těně – west: 3 – south-westward view from the north-eastern edge of the locality, 4 – detail of exposed layers of the Olešná Member, north-eastward view from the south-western part of the locality; 5 – Medový Újezd: slope in the eastern part of the protected area, the hard layers sticking out in the foreground belong to the uppermost Třenice Formation and the basal Klabava Formation, crumled overlying red siltstone and shale of the Olešná Member fall over them downslope; 6 – Zaječov – Hrbek Hill: gentle, north-western slope of the hill, the place where the historical pit mine was located; 7 – Horní Kvaň – field: remnant of the research furrow from 2006; 8 – Zaječov – quarry near the school building: eastern part of the abandoned quarry and the road-cut with upper part of the Mílina formation and the base of the Olešná Member. All photos were taken in spring 2016.
Plate 5.
Elliptoglossa celdai Mergl, 1995
Pidiobolus minimus Mergl, 1995 (*)
Rowellella distincta Bednarczyk et Biernat, 1978
Elkanisca obesa (Haviček, 1980)
Orbithele undulosa (Barrande, 1879)
Acrotreta foetida sp. n.
Dactylotreta prisca sp. n. (*)

Mamatia retracta (Popov, 1980)
Pomeraniotreta holmeri Mergl, 1995
Eoconulus gemmatus Mergl, 1995
Celdobolus mirandus (Barrande, 1879)
Eosiphonotreta krafti (Růžička, 1927)
Siphonotretella filipi sp. n.
Kolihium sp.

Mergl (2006): Těně (west) at Komárov; near the small village of Těně in the Komárov area; Těně (west); Těně.
Westergaardodina cf. bicuspidata Müller, 1959

Mergl & Duršpek (2006): Těně (west), low hill west of the village Těně, near the field road from Těně to Strašice; Těně, west.
Hexactinellida gen. et sp. indet. A
Hexactinellida gen. et sp. indet. B
Hexactinellida gen. et sp. indet. C
Lithistida gen. et sp. indet. D
Anakrusa feistmanteli (Počta, 1898)

Updated list of fauna:
Anakrusa feistmanteli (Počta, 1898)
Cyathophycus sp.
Torerella ? sp.
Leptembolon testis (Barrande, 1879)
Teneobolus graecilis Mergl, 1995
Rafanoglossa platyglossa Haviček, 1982
Elliptoglossa celdai Mergl, 1995
Pidiobolus minimus Mergl, 1995
Rowellella distincta Bednarczyk et Biernat, 1978
Elkanisca kloučeki (Koliha, 1918)
Orbithele undulosa (Barrande, 1879)
Acrotreta foetida Mergl, 2002
Dactylotreta prisca Mergl, 2002
Acrotretidae gen. et. sp. indet.
Mamatia retracta (Popov, 1980)
Pomeraniotreta holmeri Mergl, 1995
Eoconulus gemmatus Mergl, 1995
Celdobolus mirandus (Barrande, 1879)

Eosiphonotreta krafti (Růžička, 1927)
Siphonotretella filipi Mergl, 2002
Kolihium sp.
Jivinella sp.
"Palaeoscolex" tenensis Kraft et Mergl, 1989
Westergaardodina cf. bicuspidata Müller, 1959

Točník

Geography: Natural and artificial exposures in the surroundings of the castles Točník and Žebrák in the south-western part of the range of Zámecký vrch Hill, north to north-east of the village of Točník, 1.7 km NW to NNW of the church in Žebrák. Cadastre of Točník, District of Beroun.
Lithology: Red siltstone.
Remark: The fossiliferous Milina Formation also occurs at this locality. For details see Kraft et al. (2015, p. 40).

Feistmantel (1885): Točník.
Spongien, Spongien-Reste, Skeletnadeln (Spiculae), Nadeln, Ordnung Hexactinellidae [Sponge, sponge remains, spicules, spicules, order Hexactinellidae]

Krejčí & Feistmantel (1885): Točník.
The authors referred to Feistmantel (1885) and repeated the following information:
Reste von Spongien, zahlreichen Nadeln [sponge remains, numerous spicules]

Krejčí & Feistmantel (1890): Točník.
(The same as Krejčí & Feistmantel 1885) zbytky hub, četné jehlice [sponge remains, numerous spicules]

Katzer (1892): Točník.
Acanthospongia siluriensis M'Coy

Počta (1898a): Točník.
Pyritonema Feistmanteli Počta

Počta (1898b): Točník.
Pyritonema Feistmanteli Počta

Kettner (1916a): Točník.
Not specified abundant fossils.

Koliha (1918): Okoli Žebráka a Točníka [surroundings of Žebrák and Točník].
Obolus Kloučeki n. sp.

Koliha (1924): Žebrák, Točník.
Obolus Kloučeki Koliha
Lingulella insons (Barr.) var. lata n. var.
Havlíček (1982a): Žebrák; Outcrop east of Žebrák Castle.
Elkanisca klouceki (Koliha, 1918)

Mergl (1994): Žebrák, hillside SW of Točník; Žebrák.
Elkanisca klouceki (Koliha, 1918)

Mergl (2002): Točník; Žebrák, Točník (hillside); Žebrák.

Leptembolon testis (Barrande, 1879)
Elkanisca klouceki (Koliha, 1918)
Dactylotreta prisca sp. n. (*)

Celdobolus mirandus (Barrande, 1879)

Updated list of fauna:
nurse spicules
Leptembolon testis (Barrande, 1879)
Elkanisca klouceki (Koliha, 1918)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Úvaly

Geography: A cumulative name for localities near the town of Úvaly. Cadastre of Úvaly u Prahy, District of Praha-východ.
Lithology: Red to reddish-violet shale.
Remark: The fossiliferous Třenice and Mílina formations also occur at this locality. For details see Kraft et al. (2013, pp. 58–59) and Kraft et al. (2015, pp. 42–43).

Havlíček (1950): Okolí Úval [Surroundings of Úvaly].
(A brief, incomplete and joint list of taxa is published in this paper for this locality and for Břežany – Na Babách Hill. It is impossible to prove unequivocally the occurrences of those taxa at the individual localities. However, as only generally abundant genera are quoted it is very probable that the list is valid for both sites.)
Orbiculoidae d’Orbigny
Lingulella Salter
Acrotreta Kutorga
and others

Updated list of fauna: The list above can include fossil sites from the extended area around Úvaly. Thus, a single faunal list is purposeless.

Zaječov – Hrbek Hill

Geography: Loose boulders in the fields and partly on the forested slope of the low Hrbek Hill (Pl. 5, fig. 6), about 1 km west-south-west of the monastery in Zaječov. Cadastre of Zaječov, District of Beroun.
Lithology: Red greywacke and siltstone.
Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, pp. 43–44).

Obolella complexa


Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca sp. n. (*)
Celdobolus mirandus (Barrande, 1879)

Mergl & Duršpek (2006): Zaječov (Hrbek); Zaječov. Hexactinellida gen. et sp. indet. A
Hexactinellida gen. et sp. indet. C

Updated list of fauna:
Cyathophycus sp.
Leptembolon testis (Barrande, 1879)
Orbithele undulosa (Barrande, 1879)
Dactylotreta prisca Mergl, 2002
Celdobolus mirandus (Barrande, 1879)

Zaječov – Jalový potok Brook

Geography: Exposure in the right bank of the Jalový potok Brook meander near the south-west edge of Zaječov, 120 m north-east of the easternmost edge of the Heřman Pond, 500 m south-west of the Augustinian Svatá Dobrotivá Monastery in Zaječov. (GPS coordinates: N 49° 45' 45.0" E 13° 50' 06.5".) Cadastre of Zaječov, District of Beroun.
Lithology: Intercalation of fine tuffaceous material inside a red-brown succession of coarse greywacke alternated with fine-grained siltstone (Pl. 6, figs 1, 2).

Mergl (2011): Zaječov near Komárov, the righ bank of the Jalový potok Creek; exposure near village Zaječov.
Cruziana isp.
Planolites-like trace (mentioned also as Planolites-like ichnofossils)
Dimorphichnus type
resting ?cnidarian burrows (= circular resting traces or drop-like resting traces)

Updated list of fauna:
Cruziana isp.
Planolites-like ichnofossils
Dimorphichnus type ichnofossils
circular resting traces

**Zaječov – quarry near the school building**

Geography: A small abandoned quarry and adjacent section in the road-cut above the quarry (Pl. 5, fig. 8) near the school building in the village of Zaječov, 250 m north-east from the Zvěstování Panny Marie Church in the complex of Augustinian Svatá Dobrotivá Monastery (Coordinates for the centre of the quarry read from map: N 49° 45' 59.9" E 13° 50’ 39.2"). Cadastre of Kvaň, District of Beroun.

Lithology: Red greywacke and siltstone.

Remark: The fossiliferous Mílina Formation also occurs at this locality. For details see Kraft et al. (2015, pp. 44–45).

Klouček (1919): Sv. Dobrotivá
(The following list was mentioned by Kraft et al. (2015) in the study on the Mílina Formation as coming from this unit. However, it cannot be unequivocally excluded that the fossils or some of them, at least, were collected from the Olešná Member.)

jehlice hub [sponge spicules]

Obolus complexus Barr. velká varieta [large variety] nový asi druh acrotrety (s lamellami) [probable new species of Acrotreta (with lamellae)]

velký obolus snad nový [probably new large Obolus]
orbiculoidea
velká lingulella?, snad varieta druhu L. insons Barr. [large Lingulella?, perhaps a variety of the species L. insons Barr.]

Koliha (1924): Svatá Dobrotivá a okolí [Svatá Dobrotivá and surroundings]; Svatá Dobrotivá.
(It is referred only to the material published by Klouček (1919) – see above. That is why the second species in the following list was mentioned by Kraft et al. (2015) but in the synopsis of the locality Svatá Dobrotivá.)

Obolus complexus Barrande
Lingulella insons (Barr.)

Mergl (1986): Zaječov; Zaječov (DO).

Leptembolon insons testis
Orbithele undulosa
Elkanisca klouceki
Celdobolus mirandus
Conotreta turricula

Mergl (1994): Svatá Dobrotivá, a quarry near the school building.

Elkanisca obesa (Havlíček, 1980)
Mergl (1995): Zaječov (old quarry near school building); Zaječov (quarry near school building). 
Rosobolus sp. 
Teneobolus gracilis sp. n. 
Siphonotretella sp. 

Mergl (2002): Zaječov (quarry near the school building); Zaječov (lom u školy – quarry near the school building). 
Leptembolon testis (Barrande, 1879) 
Elkanisca obesa (Havlíček, 1980) 
Orbithele undulosa (Barrande, 1879) 
Acrotreta foetida Mergl, 2002 
Dactylotreta prisca Mergl, 2002 
Celdobolus mirandus (Barrande, 1879) 
Siphonotretella filipi Mergl, 2002 

Updated list of fauna: 
Leptembolon testis (Barrande, 1879) 
Teneobolus gracilis Mergl, 1995 
Elkanisca klouceki (Koliha, 1918) 
Orbithele undulosa (Barrande, 1879) 
Acrotreta foetida Mergl, 2002 
Dactylotreta prisca Mergl, 2002 
Celdobolus mirandus (Barrande, 1879) 
Siphonotretella filipi Mergl, 2002 

Updated list of fauna of the Olešná Member 
Anakrusa feistmanteli (Počta, 1898) 
Lithistida gen. et sp. indet. 
Cyathophycus sp. 
Torerella ? sp. 
Leptembolon testis (Barrande, 1879) 
Lingulella lata Koliha, 1924 
Teneobolus gracilis Mergl, 1995 
Rafanoglossa platyglossa Havlíček, 1982 
Elliptoglossa coldai Mergl, 1995 
Pidiobolus minimus Mergl, 1995 
Rowellella distincta Bednarczyk et Biernat, 1978 
Elkanisca klouceki (Koliha, 1918) 
Eoschizotreta veterana Mergl, 2002 
Orbithele undulosa (Barrande, 1879) 
Acrotreta foetida Mergl, 2002 
Dactylotreta prisca Mergl, 2002 
Celdobolus mirandus (Barrande, 1879) 
Siphonotretella filipi Mergl, 2002 

Kolihium sp. 
Jivinella sp. 
“Palaeoscolex” tenensis Kraft et Mergl, 1989 
Westergaardodina cf. bicuspidata Müller, 1959 
Drepanodus sp. 
Drepanoistodus sp. 
 Cruziana isp. 
Planolites-like ichnofossils 
Dimorphichnus type ichnofossils 
circular resting traces

REMARKS TO OTHER LOCALITIES

Holoubkov

Geography: Old shallow pit iron mine, number of small pits located in the currently forested area north-west of the village of Holoubkov. This area is ~ 1 km from the centre of the village and is crossed by the freeway D5. Cadastre of Holoubkov, District of Rokycany.

Lithology: Graded conglomerate with hematite matrix (ferrolith), and finely banded haematite.

Remark: Brachiopods described from this locality were considered to be recorded from the Olešná Member in some papers. However, they were proved to come from the Třenice Formation. The following lists contain the species incorrectly mentioned from the Olešná Memeeb but belonging to the Třenice Formation (see Kraft et al. 2013).

Havlíček (1949): Holoubkov. 
Jivinella postcedens n. sp. 
Apheoorthina ferrigena n. sp. 
Apheoorthina bohemica n. sp. 
Ocnerorthis soror (Barrande, 1879) 
Ocnerorthis filia n. sp. 
Orthambonites růžičkai n. sp. 
Poramborthis lamellosa (Růžička, 1927) 
Poramborthis grimmi (Barrande, 1879) 
Poramborthis anomalana n. sp. 
Orthis? potens Barrande, 1879

Havlíček (1951): Holoubkov. 
Jivinella postcedens Havlíček, 1949 
Apheoorthina ferrigena Havlíček, 1949 
Apheoorthina bohemica Havlíček, 1949 
Ocnerorthis soror (Barrande, 1879) 
Ocnerorthis filia Havlíček, 1949 
Orthambonites růžičkai Havlíček, 1949 
Poramborthis lamellosa (Růžička, 1927) 
Poramborthis grimmi (Barrande, 1879) 
Poramborthis anomalana Havlíček, 1949
**Řevnice**

Geography: Not specified south-west surroundings of Řevnice. Cadastre of Řevnice, District of Praha-západ and/or Zadní Třebaň, District of Beroun.

Lithology: Chert with tuffaceous admixture.

Remarks: Fossils as follow, referred to the Mílina Formation, likely come from the Olešná Member of the Klabava Formation as mentioned by Kraft et al. (2015).

Havlíček & Šnajdr (1952): Jihozápadně od Řevnice [South-west of Řevnice].

*Obolus complexus* Barr.  
*Lingulella* cf. *insons* (Barr.)

tetraxonní jehlice hub [tetraxon spicules]

In the same paper, Havlíček & Šnajdr (1952) mentioned another locality of the Olešná Member near the town: les Kalvárie severně od Řevnic [Kalvárie Forest north of Řevnice]. They found “common species of inarticulate brachiopods” there but listed no taxa.

Dark violet shale occurs in the Klabava Formation. This facies is similar to the Olešná Member in a predominant occurrence of organo-phosphatic shells of the linguliform brachiopods and rarity of carbonate or organic-walled fossils. That is why the localities of this facies are listed below as a part of this paper. However, it is not typical for the Olešná Member and is not classified to belong to this unit in general.

**Sedlec – gorge**

Geography: Outcrops in the deep gorge in the eastern edge of the village of Sedlec, east of Stárý Plzenec, ~ 50 m south-west of the confluence of Tymákovský potok and Lhůtský potok brooks. Cadastre of Lhůta, District of Plzeň-město.

Lithology: Dark violet shale, usually with admixture of coarse sand grains and hyaloclasts.

Remark: The violet shale occurs in the upper part of the section in the gorge (units f–i of Mergl 1978).

Mergl (1978): Lokalita č. 1 [Locality no. 1].

*Lingulella*  
*Orbithele*  
*Sphenothallus* sp.  
*Lingulella* Šp.

*Orbithele undulosa* (Barrande, 1879)

Mergl (2002): Sedlec (gorge); Sedlec (strž – gorge).  
*Spondyglossella spondylifera* Havlíček, 1980  
*Orbithele undulosa* (Barrande, 1879)

Updated list of fauna:  
*Spondyglossella spondylifera* Havlíček, 1980  
*Orbithele undulosa* (Barrande, 1879)

**Sedlec – excavations above gorge**

Geography: Temporary excavations for four pillars of the pylon in the field near the forest margin, east of the village of Sedlec, ~ 180 m south-east of the confluence of the Tymákovský potok and Lhůtský potok brooks, 130 m east of the southern edge of the protected area PP Sedlecká rokle. Cadastre of Lhůta, District of Plzeň-město.

Lithology: Dark violet and greyish-yellow shale, often with siliciclastic admixture.

Remark: The violet shale corresponds to that in the uppermost part of the section in the gorge (unit i of Mergl 1978).

Mergl (1978): Lokalita č. 2 [Locality no. 2].  
*Leptembolon insons* (Barr.)  
*Lingulella* sp.  
*Orbithele sodalis undulosa* (Barr.)  
*Conotreta* sp.  
*Conularia* sp.  
*Sphenothallus* sp.  
*Pyritonema?* sp.

*Elkania lineola* (Havlíček, 1982)

Mergl (1997a): Sedlec (excavations); Sedlec (excavation); Sedlec, temporary excavation in the field above confluence of Lhůtský and Tymákovský Creeks; Sedlec (gorge); Sedlec.  
*Palaeoglossa* sp.  
*Sedlecilingula sulcata* sp. n.  
*Spondyglossella spondylifera* Havlíček, 1980  
*Rowellella* sp.  
undescribed minute acroterids and lingulids  
*Orbithele undulosa* (Barrande)  
*Elkania lineola* (Havlíček)  
*Kolihium* sp.  
*Sphenothallus* sp.  
smooth conulariid
problematic phosphatis tubes
undescribed acrotretid
*Elkanisca obesa* (Havlíček)
undeterminable acrotretids
minute siphonotretid

Mergl (2002): Sedlec (gorge, temporary excavations); Sedlec (gorge); Sedlec (excavation above the gorge); Sedlec (strž – gorge).
(The author described a single locality called Sedlec (strž – gorge). It comprised both the gorge and the excavations above it. However, in occurrences of individual species he specified the latter site in some cases. We distinguished the lists of the taxa from those places as independent localities based on the experience of M.M.)

*Sedlecilingula sulcata* Mergl, 1997
*Mytoella pusilla* (Želízko, 1921)
*Wosekella filiola* gen. et sp. n. (The information on its stratigraphic range by Mergl 2002 is confusing because brown-violet shale are stated to belong to the *Corymbograptus v-similis* Biozone though no graptolites occur in this facies. Thus, it can give the impression that this species was found in the Myto Shale as defined by Kraft & Kraft 2003)
*Elkania praelineola* sp. n.
*Orbithele undulosa* (Barrande, 1879)

Lacunites sp.

Updated list of fauna:
*Conularia* sp.
*Sedlecilingula sulcata* Mergl, 1997
*Mytoella pusilla* (Želízko, 1921)
*Wosekella filiola* Mergl, 2002
*Rowelella* sp.
*Elkania praelineola* Mergl, 2002
*Orbithele undulosa* (Barrande, 1879)
Lacunites sp.

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