

ORDOVICIAN TERGOMYA AND ISOSTROPHIC GASTROPODA (MOLLUSCA) OF BOHEMIA:

TYPES AND REFERRED SPECIMENS IN THE COLLECTIONS OF THE NATIONAL MUSEUM, PRAGUE, CZECH REPUBLIC

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Abstract. A review and illustrated catalogue of Bohemian Ordovician Tergomya (Monoplacophora of previous usage) and isostrophic and patelliform Gastropoda from the Barrandian Area, Czech Republic, deposited in the collections of the National Museum, Prague. Besides descriptions, the most important data concerning the synonymy, stratigraphic range, and category of types of all valid species, supplemented by photographs, are given.

■ Mollusca, Tergomya, isostrophic Gastropoda, Ordovician, biostratigraphy, palaeoecology, communities, mode of life, catalogue, types, referred specimens, Bohemia, Barrandian Area, Czech Republic

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Introduction

Lower Palaeozoic Tergomya and isostrophic Gastropoda are common molluscs, distributed in shallow-water marine deposits all over the world. During the last decade, several workers contributed to the better-knowledge of these difficult and inconsistent groups, e.g. Peel (1991, preceded and followed by a series of special papers), Wahlman (1992), Webers, Pojeta, and Yochelson (1992), Geyer (1994), and Ebbestad (1999; a collection of papers summarized in a doctoral dissertation). Horný continued his studies of 1963 and since 1990 produced a number of papers.

This paper is a brief review of all to date recognized Bohemian Ordovician species of Tergomya (Monoplacophora of previous usage) and isostrophic Gastropoda, descriptions of which are scattered among various papers starting with J. Perner (1903). Because of present importance of these groups of molluscs in evolutionary interpretations and imperative need of their study by foreign students, the catalogue is accompanied with photographs, notes, and brief descriptions of all valid taxa. The reader will find necessary data concerning biostratigraphy of the Ordovician in the Barrandian Area, as well as references of literature. All specimens have been supplemented with catalogue numbers, and various errors in numbers and indication of paralectotypes in old papers (e.g. Horný 1963a, b) have been corrected.

The catalogue is a component of a project in which the National Museum, Museum of Natural History – Department of Palaeontology has been progressively publishing catalogues of fossil flora and fauna, deposited in its collections. The author hopes to prepare a similar effort on post-Ordovician material.

The paper does not concern the intricate situation around the systematics of relevant univalve Lower Palaeozoic molluscs but largely follows the scheme published by Peel (1991).

Representatives of the Classes Tergomya and Gastropoda constitute an important part of the Czech Ordovician benthic and epiplanktic fauna. The majority of them are interpreted as having lived in a shallow photic zone where they inhabited

either silty to sandy substrates in higher energy conditions, or quiet environments of clayey sedimentation. Specific conditions offered local bays characterized by biochemical deposition with limited influx of terrigenous material, where various types of ferrolites originated. Important is the absence of limestone sedimentation, connected with palaeoclimatic conditions in the Peri-Gondwanan province.

The gastropod and tergomyan communities contained deposit and filter feeders (*Sinuitopsis* PERNER, 1903), common epibenthic raspers, grazers, and scavengers, suprabenthic to epiplanktic species adapted to life on algae (*Tropidodiscus* MEEK et WORTHEN, 1866), and even active predators (*Sinuites* KOKEN, 1896). Some species were adapted to semiinfaunal mode of life (*Sinuites*). Juveniles of many species dwelled in well-aerated zone in carpets of floating algae whilst some species adapted this pseudoplanktonic mode of life even in maturity. A large diversification and enormous populations of certain species in some periods testify to rich trophic conditions, connected with influx of mineral nutrients from the nearby land and, consequently, with the development of algae.

Most finds of tergomyans and gastropods come from taphocoenoses, containing rich but usually fragmentary fauna of trilobites, brachiopods, bivalves, ostracods, carpoids, cystoids, hyoliths, conulariids, graptolites, and other groups. Rarely occur shells preserved in presumed living position, like almost sedentary limpet-like *Pygmaeoconus* HORNÝ, 1961 or the semiinfaunal *Sinuites*. Ferrolites, locally with accumulations of shells (e.g., *Carcassonnella*), offer an extraordinary mode of preservation. Best preserved shells come from weathered, originally carbonate concretions, occurring in various strata.

The correlation with extra-Barrandian tergomyan and gastropod fauna is difficult; it is mainly caused by a limited modern study of these complex groups in the majority of neigh-

hbouring regions (e.g. Sardinia, France, Spain, Portugal, Great Britain, or Russia). As a whole, the Barrandian gastropod and tergomyan fauna belongs to the Peri-Gondwanan province, with episodic influence of rare thermophilic immigrants from

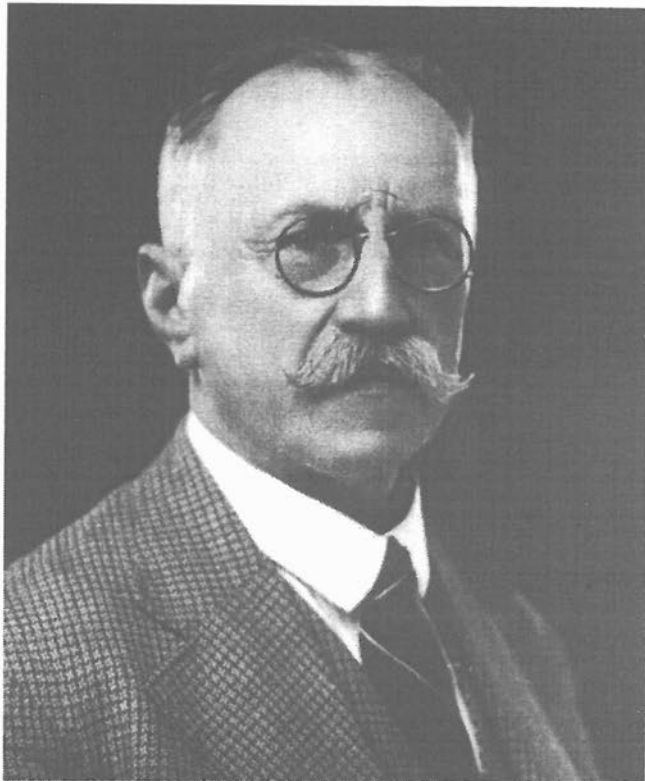


Joachim Barrande, 1799-1883

the Balto-Scandinavian region, particularly in the uppermost Ordovician (Havlíček 1989, Havlíček, Vaněk, and Fatka 1994, Horný 1997g).

Joachim Barrande knew the majority of species. His incomplete manuscript and plates of the monograph *Système silurien du centre de la Bohême, Part IV, Gastropoda*, was finished and edited by J. Perner in three parts, issued in 1903, 1907, and 1911. The majority of old finds come from Barrande's localities, nowadays mostly inaccessible. Nevertheless, their stratigraphy is well known thanks to Barrande's descriptions, lithology, and the modern, detailed geological maps. Since Barrande's and Perner's time, the collections of gastropods and gastropod-like molluscs noticeably increased in connection with the progress of palaeontological, biostratigraphic, and geological research of the Barrandian Area. Many specimens were found completing the already described species, and numerous new species were also discovered. The modern collectors picked up all fossils that then gave a better idea of abundance and environment and did not simply concentrate on "collecting trilobites". These were namely K. Holub, F. Hanuš, C. Klouček, R. Růžička, B. Bouček, V. Plas and B. Plasová, J. Šulc, J. Putzker, J. Kraft, L. Marek, M. Šnajdr, V. Havlíček, J. Vaněk, P. Kraft, M. Mergl, R. Horný, and others. The material has been gradually housed in three main depositories – the National Museum, Prague, Museum of Dr B. Horák, Rokycany, and Czech Geological Survey, Prague. The present Catalogue concerns the material deposited in the National Museum, Prague.

Those who contributed to the knowledge of Ordovician gastropods and gastropod-like molluscs, their systematics, nomenclature, functional morphology, biology, and biostratigraphy in the post-Pernerian period were in particular R. Hor-



Jaroslav Perner, 1869-1947

ný (since 1961), L. Marek (1963), V. Havlíček and J. Vaněk (1966), and J. Frýda (since 1988). Of the modern foreign authors, James B. Knight (1941) published and re-figured the type species of genera based on Czech Lower Palaeozoic material, and John S. Peel discussed and figured two species (1974, 1991).

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Systematic palaeontology

The following part, divided into two paragraphs (Tergomya; symmetrical and isostrophic Gastropoda), comprises short descriptions of all published species found in the Ordovician of Bohemia. Within the higher taxa, all subsumed items are arranged in stratigraphic order. The brief synonymy is reduced to nomenclatorically important papers, as a detailed synonymy, containing all necessary data, is given in full in each item within the catalogue. Only the main or most important localities are given.

TERGOMYA

The Class Tergomya, previously called Monoplacophora (abandoned by Peel 1991) is represented by two orders in the Czech Ordovician: Tryblidiida and Cyrtoneilliida. Only one genus, *Pentalina* HORNÝ, 1961, belongs to the tryblidiids, which are relatively common in the Silurian. The cyrtoneillids are quite common, being represented by six genera and at least by ten species. With an exception of abundant *Sinuitopsis* PERNER, 1903 in the Berounian and in some strata common *Cyrtodiscus* PERNER, 1903, all other genera (*Sinuitopsina* HORNÝ, 1997, *Sarkanella* HORNÝ, 1997, *Peelerophon* YOCHELSON, 1982, and *Carcassonnella* HORNÝ et PEEL, 1996) are rare.

A favourable preservation in more or less weathered concretions, often silty and decalcified, enabled a detailed study of muscle insertions at the surface of internal moulds of *Sinuitopsis* and *Cyrtodiscus*. The functional morphology analysis brought important data, supporting the conception of W. Wenz (1940) about exogastric character of these shells, originally based on *Cyrtoneilla* HALL, 1879 and later recognized in *Cyrtolites* CONRAD, 1838, *Yochelsonellis* HORNÝ, 1966, and others. The retractor muscle insertions are arranged in a circle running across the shell about half a whorl back from the aperture; the largest scars constitute the dorsal pair, whilst the weakest scars are in ventral position. During the growth of the shell, the muscle insertions do not move continuously as in gastropods, but periodically saltate. Besides that, the exogastric character of cyrtoneillid shells is also supported by the presence of a pair of inhalant sinuses and another pair of shallow sinuses, interpreted as tentacular and therefore anterior (Horný 1991b).

Carcassonnella, which occurs in the Middle Ordovician, is closely related with the Arenigian *C. courtesolei* (YOCHELSON, 1982) and thus connects the Mediterranean lineage. The related *Sarkanella* appears in the Middle Ordovician and can be followed up to top of the Upper Ordovician. *Peelerophon* occurs rarely in the highest Arenigian.

Of the extra-Barrandian tergomyans, types and referred specimens of Horný's Morocco paper (1997g) are deposited in the National Museum, Prague (genera *Sinuitopsis*, *Cyrtodiscus*, *Quasisinuites* HORNÝ, 1997, *Carcassonnella*, *Tachillanella* HORNÝ, 1997, and *Thoralispira* HORNÝ et VIZCAÏNO, 1995).

Order Tryblidiida LEMCHE, 1957

Family Tryblidiidae PILSBRY in ZITTEL-EASTMAN, 1899

Pentalina HORNÝ, 1961

Type species: *Pentalina prantli* HORNÝ, 1961. Middle Ordovician, Bohemia.

Pentalina prantli HORNÝ, 1961

Pl. 1, fig. 1

1938 *Tryblidium* sp.; Říha, Příspěvek k poznání...

1957 *Tryblidiid* sp.; Horný, Tryblidiinae...

1961 *Pentalina prantli* n. sp.; Horný, New genera...

1963a *Pentalina prantli* HORNÝ, 1961; Horný, Lower Palaeozoic Monoplacophora...

A rare species, so far found in two specimens. A small, up to 6.6 mm long, spoon-shaped shell with five pairs of retractor muscle scars in dorsal position. Outer shell sculpture unknown.

Stratigraphy, localities. Middle Ordovician, Dobrotivian, Dobrotivá Formation: Malé Přílepy. ? Llanvirnian, Šárka Formation: Praha – Vokovice.

Order Cyrtoneilliida HORNÝ, 1963

Family Cyrtolitidae S. A. MILLER, 1889

Sinuitopsis PERNER, 1903

Type species: *Sinuitopsis neglecta* Perner, 1903. Upper Ordovician, Bohemia.

Sinuitopsis evoluta (PERNER, 1903)

Pl. 1, fig. 2

1903 *Sinuites sowerbyi* var. *evoluta* mihi; Perner, Systême silurien, IV, Gastéropodes, 1

1963b *Sinuitopsis neglecta* PERNER; Horný: Lower Paleozoic Bellefontaine...

1997c *Sinuitopsis?*; Horný: New, rare, ...

A rare species. According to gross morphology of the original, unique internal mould, it may be classified as *Sinuitopsis*. Two similar internal moulds come from Úvaly. The find from the Dobrotivá Formation with patches of outer shell sculpture, briefly described and figured by Horný (1997c), may also belong to this taxon. Length up to about 30 mm.

Stratigraphy and locality. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Úvaly. ? Dobrotivian, Dobrotivá F.: Praha – Šárka.

Sinuitopsis neglecta

BARRANDE in PERNER, 1903

Pl. 1, figs 3, 4

1903 *Sinuitopsis neglecta* BARR. sp.; Perner: Systême silurien, IV, Gastéropodes, 1

1903 *Sinuitopsis neglecta* BARR. var. *transgrediens* PERNER; Perner: Systême silurien, IV, Gastéropodes, 1

- 1903 *Temnodiscus ferrigena*; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Temnodiscus platynotus* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Temnodiscus bicarinatus* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Temnodiscus incertus* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1941 *Sinuitopsis neglecta* PERNER; Knight, Paleozoic gastropod genotypes
 1963b *Sinuitopsis neglecta* PERNER; Horný, Lower Palaeozoic Bellerophontina...
 1991b *Sinuitopsis neglecta* PERNER; Horný, Shell morphology...

A characteristic and common cyrtoneid tergomyan, present in various sediments - clayey shales, carbonate siltstones, and even sandstones. Exogastric shells are thick-walled, with rather variable outer sculpture due to age, location on shell, and preservation. Dorsal, exhalant V-shaped sinus and two inhalant sinuses are present near the suture. Size max. about 35 mm. Many specimens yielded internal moulds with well-preserved retractor muscle scars. The maximum of distribution is in the Zahořany Formation. Specimens from the Libeň and Letná Formations, generally poorly preserved in sandstones, may belong to a separate species. *S. neglecta* probably was a semiinfaunal deposit feeder which lived with the soft body shallowly buried in the surface layer of sediment. One specimen found in the Zahořany Formation shows numerous repaired fractures due to repeated and failed predaceous attacks, probably by nautiloids. Reported from extra-Barrandian territories (Baltic area - Dzik 1981; Morocco - Horný 1997g).

Stratigraphy, localities. Lower part of the Upper Ordovician, Berounian, Libeň to Bohdalec Formations, most common in the Zahořany F.: Beroun, Loděnice, Praha - Jinonice, Praha - Spořilov, Praha - Štěrboholy.

Sinuitopsis hornyi MAREK, 1963

Pl. 1, figs 5, 6

- 1963 *Sinuitopsis hornyi* n. sp.; Marek, Bellerophontid gastropods...
 1963b *Sinuitopsis hornyi* MAREK; Horný, Lower Paleozoic Bellerophontina...

A rare species, found in decalcified siltstones of the uppermost parts of the Kosov Formation. It distinguishes from the type species by weaker, thinner growth structures, wider shell, and narrower umbilicus. Size max. about 20 mm. All types and additional material are deposited in the Czech Geological Survey.

Stratigraphy and locality. Upper Ordovician, Kosovian, Kosov F.: Praha - Běchovice.

Sinuitopsis sp.

- 1997c *Sinuitopsis* sp.; Horný, New, rare, ...

A fragment of the final whorl, 18 mm long, with patches of external mould with remains of outer sculpture consisting of dense ribs indicating a deep, V-shaped, dorsal sinus. It may belong to *Sinuitopsis evoluta*.

Stratigraphy, locality. Middle Ordovician, Dobrotivian, Dobrotivá F.: Praha - Šárka.

Sinuitopsina HORNÝ, 1997

Type species: *Sinuitopsina plasi* HORNÝ, 1997. Middle Ordovician, Bohemia.

Sinuitopsina plasi HORNÝ, 1997

Pl. 1, figs 7, 8

- 1967c *Sinuitopsina plasi* sp. n.; Horný, new, rare, ...

Species known from a single, incomplete specimen. Nevertheless, characters of the outer shell sculpture clearly show a deep V-shaped sinus at rounded dorsum, and dense, fine, comarginal threads crossed with dense, fine spiral ribs. These features are unknown in other genera. The fragment is 18.5 mm long.

Stratigraphy, locality. Middle Ordovician, Dobrotivian, Dobrotivá F.: Praha - Šárka.

Cyrtodiscus PERNER, 1903

Type species: *Oxydiscus* (*Cyrtodiscus*) *procer* BARRANDE in PERNER, 1903. Upper Ordovician, Bohemia.

Cyrtodiscus nitidus

(BARRANDE in PERNER, 1903)

Pl. 1, figs 9, 10

- 1903 *Oxydiscus* (*Cyrtodiscus*) *nitidus* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1962 *Gamadiscus nitidus* (PERNER, 1903); Horný, New genera...
 1963b *Gamadiscus nitidus* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...
 1997g *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903); Horný, Ordovician Tergomya...

A species with characteristic, sharp, cancellate outer shell sculpture. Spiral ribs continuous. It is common in siliceous concretions, chiefly in the Rokycany region. A cyrtoneid muscle scar pattern was found in one internal mould. Several juveniles yielded fossilized intestinal contents *in situ*. Adult specimens probably lived on the bottom, while the juveniles supposedly inhabited floating algae. Max. size about 10 mm. Reported from the Llanvirnian of Morocco.

Stratigraphy and localities. Middle Ordovician, Llanvirnian, Šárka F.; Osek (common), Praha - Šárka. Dobrotivian, Dobrotivá F.; Malé Pílepy (sporadic).

Cyrtodiscus procer

(BARRANDE in PERNER, 1903)

Pl. 1, figs 11-13

- 1903 *Oxydiscus* (*Cyrtodiscus*) *procer* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1941 *Cyrtodiscus procer* (PERNER, 1903); Knight, Paleozoic gastropod genotypes
 1997c *Cyrtodiscus procer* (PERNER, 1903); Horný, New, rare ...

A scarce species, known from two Barrande's types and several fragmentary specimens, collected by L. Marek. Flat,

discoidal shells with narrow periphery bear strong, regular spiral ribs crossed with fine collabral lines. All specimens come from siltstones and silty sandstones. Size up to 20 mm.

Stratigraphy, localities. Upper Ordovician, Berounian, Letná F.: Trubská, Praha – Vysočany.

Cyrtodiscus simaki HORNÝ, 1997

Pl. 1, fig. 14

1997c *Cyrtodiscus simaki* sp. n.; Horný, New, rare, ...

Shell similar to *C. procer* but less regular; weak spiral elements of outer shell sculpture slightly discontinuous in ontogenetically older stages. Size max. up to 10 mm. Rare.

Stratigraphy, localities. Upper Ordovician, Berounian, Zahořany F.: Praha – Spořilov, Praha – Nový Hloubětín, Praha – Dubeč.

Cyrtodiscus? evolvens

(BARRANDE in PERNER, 1903)

Pl. 1, fig. 15

1903 *Cyrtolites? evolvens* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1

1963 *Temnodiscus evolvens* (PERNER, 1903); Marek, Bellerophonid gastropods...

1963b *Temnodiscus? evolvens*; Horný, Lower Palaeozoic Bellerophonina...

Shell flat, narrow at the periphery, with regular transverse ribs and discontinuous, weaker spiral ribs. It distinguishes from biostratigraphically older representatives of *Cyrtodiscus* by discontinuous spiral elements in outer shell sculpture. Maximum length 10 mm. Rare, usually flattened in shales. The generic determination is uncertain, as the continuity or discontinuity of spiral ribs seem to be not too reliable systematic feature. *Temnodiscus* KOKEN, 1896 has the final whorl out of contact and its transverse ribs are much coarser.

Stratigraphy and localities. Upper Ordovician, Králodvorian, Králův Dvůr F.: Králův Dvůr – Kosov, Praha – Radotín. Kosovian, Kosov F.: Praha – Běchovice.

Family *Carcassonnellidae* HORNÝ, 1997

Carcassonnella HORNÝ et PEEL, 1996

Type species: *Gamadiscus courtessolei* YOCHELSON, 1882. Lower Ordovician, France.

Carcassonnella pragensis HORNÝ, 1997

Pl. 2, figs 1, 2

1997c *Carcassonnella pragensis* sp. n.; Horný, New, rare, ...

Almost globose shells with fine growth lines; selenizone on uniformly rounded dorsum. Size max. 20 mm. Rare, so far found at Prague.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Praha – Šárka.

Carcassonnella sp.

1997c *Carcassonnella* sp.; Horný, New, rare, ...

Small globose shells, outer sculpture unknown. Size up to 10 mm. Commonly in ferrolites.

Stratigraphy, locality. Middle Ordovician, Dobrotivian, Dobrotivá F.: gallery Veronika near Kařízek.

Sarkanella HORNÝ, 1997

Type species: *Plectonotus? vokovicensis* HORNÝ, 1963. Middle Ordovician, Bohemia.

Sarkanella vokovicensis (HORNÝ, 1963)

Pl. 2, figs 3, 4

1963b *Plectonotus? vokovicensis* n. sp.; Horný, Lower Paleozoic Bellerophonina...

1997c *Sarkanella vokovicensis* (HORNÝ, 1963); Horný, New, rare ...

Small, flat, densely transversely ribbed shells with zigzagging ribs on lateral sides; dorsum with wide selenizone; size up to 14 mm.

Stratigraphy, localities. Middle Ordovician, Dobrotivian, Dobrotivá F.: Mýto, Praha – Vokovice, Praha – Holešovičky (siliceous concretions, not common); Plzenec (clayey shales, common).

Sarkanella novaki HORNÝ et VONKA, 2002

Pl. 2, figs 5, 6

2002 *Sarkanella novaki* sp. n.; Horný and Vonka, *Sinuities* community...

Rare, known from two specimens found in clayey shales, in a taphocoenose with *Sinuities* sp. Similar to *S. vokovicensis* but with wider selenizone. Size about 16 mm.

Stratigraphy, locality. Upper Ordovician, Berounian, Bohdalec Fm.: Praha – Radotín.

Sarkanella kolebabai HORNÝ, 2002

Pl. 2, fig. 7

2002a *Sarkanella kolebabai* sp. n.; Horný, The youngest representative...

The biostratigraphically youngest representative of the genus, known from a unique specimen from clayey shale. It distinguishes by sparse, on the lateral sides weakly zigzagging ribs. Size 9 mm.

Stratigraphy, locality. Upper Ordovician, Králodvorian, Králův Dvůr F.: Praha – Pankrác.

Peelerophon YOCHELSON, 1982

Type species: *Bellerophon oehlerti* BERGERON, 1889. Lower Ordovician, France.

Peelerophon mergli FRÝDA, 1988

Pl. 2, figs 8, 9

1988 *Modestospira mergli* sp. n.; Frýda, A new species...

1997c *Peelerophon mergli* (FRÝDA, 1988); Horný, New, rare, ...

Small, irregularly ribbed shell, rounded dorsum either with a narrow sinus or selenizone. Size about 11 mm. The species rarely occurs in redeposited, reddish tuffs. The type specimens have been housed in the Czech Geological Survey, Prague.

Stratigraphy, localities. Lower Ordovician, Arenigian, top of the Klabava F.: Ejpovice, Strašice, Kleštěnice.

GASTROPODA

Isostrophic gastropods do not represent a natural, homogeneous systematic unit. As their systematic is so far not satisfactorily resolved, the suprafamiliar taxa are not given. For the purpose of this catalogue, also patelliform gastropods are included, often classified as "monoplacophorans" or groups of uncertain position. Of these, *Archinacella* ULRICH et SCOFIELD, 1897 and its allies have been already recognized as gastropods (Yochelson 1988, Horný 1996c, Peel and Horný 1999), but the position of many patelliform shells still remain unsolved. While *Floripatella rousseaui* YOCHELSON, 1988 possesses a typical patellid muscle scar pattern, other Ordovician (and, of course, also Cambrian) limpet-like shells either lack muscle scars or have them presumably arranged in a more or less continuous circle, parallel or subparallel to the growth structures. This is e.g. the case of *Patelliconus* HORNÝ, 1961, assigned by Geyer (1994) to the Family Protoconchioididae GEYER, 1994 (together with *Archinacella* and *Floripatella* YOCHELSON, 1988). This muscle scar pattern (as well as the shell shape) is a result of the stationary mode of life on various hard objects and shells on the sea bottom, and may have simultaneously appeared in diverse lineages. An excellent example of such adaptation is the Middle Ordovician *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903), adjusted to the dorsal surface of a hyolith shell. This species yielded the best-preserved muscle scars in this group of gastropods.

Sinitids are well-known bellerophonitoids, distributed throughout the whole Ordovician but most abundant in its middle part. They were probably semiinfaunal predators, living in soft, often muddy sediment (Horný 1996a). *Sinites* KOKEN, 1896 is the first bellerophonitid, in which a pair of circumbilical muscles was ascertained (Knight 1947). This pattern, generally accepted as a characteristic sign for endogastric gastropod shells, was later found in additional bellerophonitoids, e.g. *Tremanotus* HALL, 1865, *Megalomphala* ULRICH et SCOFIELD, 1897, *Bellerophon* MONTFORT, 1808, and *Carinaropsis* HALL, 1847 (Peel 1972, 1976, 1982, 1993), including several genera from the Ordovician of Bohemia (*Tropidodiscus* MEEK et WORTHEN, 1866, *Bucanopsina* HORNÝ, 1997, *Tritonophon* ÖPIK, 1953, and *Grandostoma* HORNÝ, 1962).

Bucaniidae are represented by the genus *Bucanopsina*, quite common in Upper Ordovician, and the rare *Tritonophon*. It is remarkable that the widely distributed genera *Bucania* HALL, 1847, *Salpingostoma* ROEMER, 1876, and *Megalomphala* ULRICH in ULRICH et SCOFIELD, 1897 are absent in Bohemia.

Tropidodiscus is the dominant Middle Ordovician species in Bohemia. *T. pusillus*, which probably lived on floating algal carpets, occurs in innumerable masses; nevertheless, the genus is almost absent in the Upper Ordovician. Pterothecidae occur rarely in the Upper Ordovician. Representatives of *Cymbularia*, widely distributed in the Baltic area, are rare, limited to the Middle Ordovician.

Characteristic and common component of the Upper Ordovician benthic fauna are species of *Grandostoma*. *G. grande* is an example of rare immigrants from the Balto-Scandinavian region (Ebbestad 1999).

Of the extra-Barrandian gastropods, types and referred specimens of Horný's Morocco paper (1997g) are deposited in the National Museum, Prague (genera *Sinites*, *Sellesinites*, *Tritonophon*, *Bucanopsina*, *Tropidodiscus*, and *Atlantophon* HORNÝ, 1967). Besides these, a single specimen of *Conradella* [= *Bucania*] *gracillima* (KOKEN, 1896) from Dalarne (inv. No S 2439) is also deposited here, which is the type of Koken and Perner 1925, Pl. 27, figs 21-24.

Family Archinacellidae KNIGHT, 1956

Barrandicella PEEL et HORNÝ, 1999

Type species: *Archinacella ovata* BARRANDE in PERNER, 1903; Middle Ordovician, Bohemia.

Barrandicella ovata

(BARRANDE in PERNER, 1903)

Pl. 2, figs 10-12

- 1903 *Archinacella ovata* var. *typica* [= *ovata*] BARR. sp.; Perner, Système silurien, IV, Gastéropodes, 1
- 1903 *Archinacella ovata* var. *complanata* m.; Perner, Système silurien, IV, Gastéropodes, 1
- 1903 *Archinacella ovata* var. *rostrata* m. (*partim*): Perner, Système silurien, IV, Gastéropodes, 1
- 1903 *Archinacella ovata* var. *subglobosa* m.; Perner, Système silurien, IV, Gastéropodes, 1
- 1963a *Archinacella ovata* PERNER, 1903; Horný, Lower Paleozoic Monoplacophora...
- 1996c *Archinacella ovata* BARRANDE in PERNER, 1903; Horný, Apical muscle...
- 1999 *Barrandicella ovata* (BARRANDE in PERNER, 1903); Peel and Horný, Muscle scars...

A common species, occurring in siliceous concretions of the Middle Ordovician formations. Perner (1903) named several varieties; two of them have persisted (var. *elevata* and var. *tarda*), but var. *complanata* and var. *suglobosa* are inaccurately defined and hardly distinguishable. Related species occur in the Ordovician of the Mediterranean and Baltoscandian regions, England, North America, Greenland, and Asiatic Russia. Specimens reported from the Montagne Noire, assigned to as *A. ovata* (Yochelson 1982), belong to a different, probably not yet described species. In 1996, a pair of retractor muscle scars was ascertained in the apical area of *B. ovata*; this feature clearly demonstrated that *Barrandicella* and its allies were not tergomyans (Horný 1996c, Peel and Horný 1999). *Barrandicella ovata* is the most common Bohemian archinacelloid species, occurring in siliceous concretions in taphocoenoses of other invertebrate fauna. Some concretions contain assorted accumulations of *Barrandicella* shells. It does not occur in sandy shallow water sediments and in deeper water clayey deposits, obviously because of anoxic environment, lack of suitable hard objects, and food in this facies. *B. ovata* was probably a slowly moving grazer feeding on algal mats

overgrowing various shells and fragments lying on the bottom. Size: up to 20 mm. So far, several hundred specimens were collected, which are predominantly deposited in the collections of the Museum of Dr. B. Horák at Rokycany and the National Museum, Prague.

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Praha – Šárka, Úvaly. Dobrotivian, Dobrotivá F.: Malé Přílepy, Praha – Šárka.

Barrandicella holubi HORNÝ, 2000

Pl. 2, figs 13, 14

2000 *Barrandicella holubi* sp. n.; Horný, *Barrandicella holubi*...

A rare species, similar to *B. ovata* but with narrower shell and a wide, bulky apex. It was found only in the Rokycany region.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Osek.

Barrandicella? tarda (PERNER, 1903)

Pl. 3, figs 3, 4

1903 *Archinacella ovata* var. *tarda* m.; Perner, Systême silurien, IV, Gastéropodes, 1

1963a *Archinacella tarda* PERNER, 1903; Horný, Lower Paleozoic Monoplacophora...

1999 *Barrandicella tarda* (PERNER, 1903); Peel and Horný, Muscle scars...

A rare species, sporadically occurring in silty, calcareous concretions. It is relatively most common in the Zahořany Formation in the territory between Beroun and Praha – Štěrboholy, from where we know about ten specimens. It rarely occurs in shales, usually together with remains of other fauna. An adult shell is less globose than in *B. ovata*, the apical part is more protruding, and the concentric lines of growth are crossed with fine, dense radial threads. Presence of this type of sculpture is unusual among archinacelloids (*Helcionopsis* ULRICH et SCOFIELD, 1897), and may indicate a separate genus. Several specimens resembling this species were found in siliceous concretions from the Dobrotivá Formation near the village of Malé Přílepy (collections of C. Klouček and F. Hanuš). They differ from *B. ovata* by less arched shells and less perpendicular posterior shell margin.

Stratigraphy, localities. ?Middle Ordovician, Dobrotivian, Dobrotivá F.: Malé Přílepy. Upper Ordovician, Berounian, Vinice to Bohdalec Fs: Loděnice, Praha – Dubeč, Praha – Štěrboholy.

Barrandicellopsis HORNÝ, 2000

Type species: *Archinacella ovata* var. *elevata* PERNER, 1903. Middle Ordovician, Bohemia.

Barrandicellopsis elevata (PERNER, 1903)

Pl. 3, figs 1, 2

1903 *Archinacella ovata* var. *elevata*; Perner, Systême silurien, IV, Gastéropodes, 1

1903 *Archinacella ovata* var. *rostrata* m. (*partim*); Perner, Systême silurien, IV, Gastéropodes, 1

1963a *Archinacella? ovata elevata* PERNER, 1903; Horný, Lower Paleozoic Monoplacophora...

1963c *Cyrtanellopsis elevata* (PERNER, 1903); Horný, On the systematic...

1999b *Barrandicellopsis elevata*; Horný, Gastropod...

A rare species, so far found in siliceous concretions in the Rokycany region. It differs from *Barrandicella* by much higher adult shell, projecting apex, and a thick shell wall. Outer shell sculpture consists of simple growth lines, muscle scars are similar to those in *Barrandicella*. Length up to 22 mm. The majority of specimens (about 10) are deposited in the Museum of Dr B. Horák at Rokycany.

Stratigraphy and localities. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Kařez.

Barrandicellopsis? extenuata (BARRANDE in PERNER, 1903)

Pl. 2, figs 5, 6

1903 *Orthonychia extenuata* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1

1911 *Orthonychia? extenuata* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 3

2000a *Barrandicellopsis? extenuata* (BARRANDE in PERNER, 1903); Horný, *Barrandicellopsis*, ...

The species was based on a single internal mould from sandstones of the Letná Formation at Děd near Beroun. Three additional internal moulds were found quite recently in fields between Trubská and Trubín (I. Chlupáč, Š. Rak). Imperfectly preserved internal moulds do not allow exact generic determination.

Stratigraphy, localities. Upper Ordovician, Berounian, Letná F.: Beroun, Děd; fields between Trubská and Trubín.

Marekicella HORNÝ, 1997

Type species: *Marekicella podexpulicis* HORNÝ, 1967. Upper Ordovician, Bohemia.

Marekicella podexpulicis HORNÝ, 1997

Pl. 3, figs 7, 8

1997c *Marekicella podexpulicis* sp. n.; Horný, New, rare, ...

Rare archinacellid species with a narrow, laterally compressed shell, external shell surface with fine growth lines. Muscular structures are imperfectly known. Max. length 8 mm. The animal may have lived in dense algal growths or on algae.

Stratigraphy, localities. Upper Ordovician, Berounian, Zahořany to Bohdalec F.: Praha – Radotín, Staňkovka; Praha – Vršovice.

Archinacellina HORNÝ, 1961

Type species: *Archinacella modesta* BARRANDE in PERNER, 1903; Upper Ordovician, Bohemia.

Archinacellina modesta (BARRANDE in PERNER, 1903)

Pl. 3, fig. 9

1903 *Archinacella modesta* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1

- 1903 *Archinacella proxima* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Archinacella capuloidea* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Archinacella mitra* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1961 *Archinacellina modesta* (PERNER, 1903); Horný, New genera...
 1963a *Archinacellina modesta* (PERNER, 1903); Horný, Lower Palaeozoic...
 1999 *Archinacellina modesta* (BARRANDE in PERNER, 1903); Peel and Horný, Muscle scars...

Relatively rare species, which is characteristic for clayey shales. Most of the collected specimens (about 30) come from the Barrande's collection and are housed in the National Museum, Prague. Outer shell sculpture is unknown, but two internal moulds yielded remains of a loop-like muscular impression, in the posterior part of the shell widened into two subtriangular, equilateral extensions. Outer shell sculpture unknown.

Stratigraphy, localities. Upper Ordovician, Králodvorian, Králův Dvůr F.: Chodouň, Beroun – Králův Dvůr.

Family ? *Archinacellidae* KNIGHT, 1956
 (? *Protoconchioididae* GEYER, 1994)

Patelliconus HORNÝ, 1961

Type species: *Palaeacmaea primula* BARRANDE in PERNER, 1903. Middle Ordovician, Bohemia.

Patelliconus primulus
 (BARRANDE in PERNER, 1903)

Pl. 3, figs 10, 11

- 1903 *Palaeacmaea primula* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Palaeacmaea immigrans* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1961 *Patelliconus primulus* (PERNER, 1903); Horný, New genera...
 1963a *Patelliconus primulus* (PERNER, 1903); Horný, Lower Palaeozoic Monoplacophora...

A small, low, cone-like mollusc with planar aperture, variable in shape, rarely occurring in Middle Ordovician siliceous concretions. Shells, preserved as internal moulds, usually bear a concentric band probably connected with musculature. The animal may have been almost sessile, attached to various shells or fragments, overgrown with algal or bacterial film.

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Praha – Šárka. Dobrotivian, Dobrotivá F.: Mýto, Praha – Šárka.

Pygmaeoconus HORNÝ, 1961

Type species: *Palaeoacmaea porrecta* BARRANDE in PERNER, 1903. Middle Ordovician, Bohemia.

Pygmaeoconus porrectus
 (BARRANDE in PERNER, 1903)

Pl. 4, fig. 1

- 1903 *Palaeacmaea? porrecta* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1961 *Pygmaeoconus porrectus* (PERNER, 1903); Horný, New genera...
 1963a *Pygmaeoconus porrectus* (PERNER, 1903); Horný, Lower Palaeozoic...

A small cone-like shell with subcentral apex, common in siliceous concretions of the Šárka Formation but sporadically occurring also in the Dobrotivá Formation. It is usually overlooked because of its small size (max. length 5.8 mm). Internal moulds often show muscle scars arranged in a more or less continuous band encircling the shell. This pattern is connected with the presumed stationary habit of *Pygmaeoconus*. Moreover, the aperture was not planar but concavely bent and thus adapted to upper, convex, dorsal surface of a hyolithid shell, which these tiny molluscs probably inhabited. *Pygmaeoconus* either grazed organic film on the host shell or filtered deposit, swirled up by the hyolith when feeding (Horný, a paper in preparation).

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Praha – Šárka. Dobrotivian, Dobrotivá F.: Mýto, Praha – Šárka.

Pygmaeoconus kettneri (ŘÍHA, 1938)

Pl. 3, fig. 12

- 1938 *Palaeacmaea kettneri* n. sp.; Říha, Příspěvek k poznání...
 1963a *Pygmaeoconus? kettneri* (ŘÍHA, 1938); Horný, Lower Palaeozoic Monoplacophora...

A rare species with small (up to 7.5 mm), cap-shaped shell with subcentral apex; external surface with simple growth lines. May be conspecific with *P. porrectus*.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Osek.

Pygmaeoconus? latiusculus
 (BARRANDE in PERNER, 1903)

Pl. 4, fig. 7

- 1903 *Palaeacmaea latiuscula* Barr. sp.; Perner, Systême silurien, IV, Gastéropodes, 1
 1963a *nomen dubium*; Horný, Lower Palaeozoic Monoplacophora...

Imperfectly preserved internal mould, 5.6 mm long, does not allow satisfactory description and determination.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Osek.

Pygmaeoconus krafti HORNÝ, 1997

Pl. 4, figs 2, 3

- 1997c *Pygmaeoconus krafti* sp. n.; Horný, New, rare, ...

Rare, small (up to 8.5 mm), elongate cap-shaped shell with subcentral apex and irregular muscle scars located in a ring-shaped area parallel with the apertural margin. Outer shell sculpture with irregularly spaced, fine, concentric lines of

growth. Probably less mobile, living on hard objects like *P. porrectus*.

Stratigraphy, localities. Upper Ordovician, Berounian, Zahřany F.: Loděnice, Praha – Libeň, Praha – Hloubětín, Praha – Dubeč. Bohdalec F.: Praha – Michle.

? *Micropileus* WILSON, 1951

Type species: *Micropileus obesus*, WILSON, 1951. Middle Ordovician, Canada.

Micropileus? *ordovicinus* (HORNÝ, 1963)

Pl. 4, fig. 4

1963a *Palaeoscurria ordovicina* sp. n.; Horný, Lower Paleozoic Monoplacophora...

A cap-shaped shell, in gross morphology similar to the Silurian *Palaeoscurria calyptrata* PERNER, 1903, and Middle Ordovician *Micropileus variabilis* WAHLMAN, 1992. The only existing specimen, an incomplete, weathered internal mould, is rather insufficiently preserved, and the subapical muscle scar, mentioned by Horný, should be re-evaluated. Size 10 mm. Until better preserved specimens are found, I prefer to assign this species, although with a question, to the Ordovician genus *Micropileus* WILSON, 1951.

Stratigraphy, locality. Middle Ordovician, Dobrotivian, Dobrotivá F.: Malé Přílepy.

Kornoutella HORNÝ, 1997

Type species: *Hypseloconus? bohemicus* HORNÝ, 1963. Middle Ordovician, Bohemia.

Kornoutella bohemica (HORNÝ, 1963)

Pl. 4, figs 5, 6

1963a: *Hypseloconus? bohemicus* sp. n.; Horný, Lower Paleozoic Monoplacophora...

1997c *Kornoutella bohemica* (HORNÝ, 1963); New, rare, ...

Two specimens of this relatively large, cornet-like, about 12 mm high, radially ribbed fossil with thick, probably two-layered shell were so far found in siliceous concretions. Its detailed morphology is unknown and a peculiar outer shell sculpture is unusual among other similar molluscs. Its systematic position is uncertain.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Praha – Šárka.

Family *Sinuitidae* DALL in ZITTEL-EASTMAN, 1913

Sinuites KOKEN, 1896

Type species: *Bellerophon bilobatus* SOWERBY, 1839. Middle Ordovician, England.

Sinuites sp.

The collection of sinuitids deposited in the Museum of Dr B. Horák at Rokycany includes several flattened and deformed moulds of *Sinuites* sp., coming from shales of the Lower

Ordovician Klabava Formation. Specimens mentioned by Holub (1911, 1912) are also in this collection. Details of external morphology are lacking, but the species is not conspecific with *S. sowerbyi* PERNER, 1903.

Stratigraphy, locality. Lower Ordovician, Arenigian, Klabava F.: Klabava.

Sinuites sowerbyi PERNER, 1903

Pl. 4, figs 8-10

1903 *Sinuites Sowerbyi* PERNER; Perner, Système silurien, IV, Gastéropodes, 1

1903 *Sinuites Sowerbyi* var. *crenata* mihi; Perner, Système silurien, IV, Gastéropodes, 1

1963b *Sinuites sowerbyi* PERNER, 1903; Horný, Lower Paleozoic Bellerophonina...

1992 *Sinuites sowerbyi* PERNER, 1903; Horný, Svalové vtisky...

1996a *Sinuites sowerbyi* PERNER, 1903; Horný, Secondary shell deposits...

non 1903 *Sinuites Sowerbyi* var. *evoluta* mihi; Perner, Système silurien, IV, Gastéropodes, 1

The most common sinuitid gastropod of the Bohemian Middle Ordovician, known from many hundreds of specimens preserved in siliceous concretions and clayey shales. The biggest specimens reach about 30 mm. External sculpture consists of relatively coarse transversal ribs; a characteristic dorsal, symmetrically branching sculpture of unclear origin is an important determination feature. Numerous internal moulds yielded well-preserved retractor muscle scars. Two specimens were found showing small patches of inductural deposits. The species occurs also in the Llanvirnian strata in Morocco (Horný 1997g) but specimens from the Arenigian formations of the Montagne Noire, reported by Yochelson (1982) as *Sinuites* cf. *sowerbyi*, represent a different species. Internal moulds cannot be reliably distinguished from those of *Sinuites hanusi* and *Selesinuites perneri*. *S. sowerbyi* has been reported from the Middle Ordovician of Morocco (Horný 1997g).

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F., common: Osek, Praha – Šárka, Praha – Libuš, Úvaly; Dobrotivian, Dobrotivá Formation, rarer: Malé Přílepy, Praha – Šárka.

Sinuites hanusi HORNÝ, 1997

Pl. 5, fig. 6

1997c *Sinuites hanusi* sp. n.; Horný, New, rare, ...

A species similar to *Sinuites sowerbyi* (PERNER, 1907). It distinguishes by finer and denser collabral ribs and slightly narrower shell. It is less frequent than *S. sowerbyi*. It occurs in siliceous concretions, rather in Prague and Úvaly than in the Rokycany region. Internal moulds are hardly distinguishable from those of *S. sowerbyi*. An internal mould of *Sinuites* sp. from Osek (MBHR 1232) with a well-preserved muscle scar, figured by Horný (1992, Pl. 6 and Text-fig. 7), may belong to this species.

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F.: Osek, Praha – Šárka, Úvaly.

Sinuites reticulatus PERNER, 1903

Pl. 4, fig. 11; Pl. 5, figs 1-3

1903 *Sinuites reticulatus* PERNER; Perner, Système silurien, IV, Gastéropodes, 1

- 1963b *Sinuities reticulatus* PERNER; Horný, Lower Paleozoic Bellerophontina...
 1992 *Sinuities reticulatus* PERNER, 1903; Horný, Svalové vtisky...
 1996a *Sinuities reticulatus* PERNER, 1903; Horný, Secondary shell deposits...

A common Bohemian Middle Ordovician sinuitid gastropod, known from several hundred specimens preserved in siliceous concretions. The largest specimens reach about 40 mm length. External sculpture consists of dense, fine, sharp spiral and collabral lirae. Numerous internal moulds yielded well-preserved retractor muscle scars. About 30 specimens from Cheznovice yielded exclusively preserved inductural deposits and inductural vallum fossilized in SiO₂ (Horný 1996a), which contributed to explain the mode of life of sinuitids.

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F. (common): Osek, Kařízek – Pětídomky, Praha – Šárka, Úvaly; Dobrotivian, Dobrotivá F. (rare): Malé Přílepy, Praha – Šárka.

Sinuities sp.

- 2002 *Sinuities* sp.; Horný and Vonka, *Sinuities* community...

Several tens of crushed and flattened internal and composite moulds were found in dark grey clayey shales of the Bohdalec Formation. Preservation is too poor to restore the original sculpture, consisting of dense collabral ribs, probably crossed with dense, fine, spiral threads. Maximum size (estim.) is 33 mm. The find is important, demonstrating a continuous presence of *Sinuities* communities since Arenigian till Královorin in the Ordovician of Bohemia.

Stratigraphy, locality. Upper Ordovician, Berounian, Bohdalec F.: Praha – Radotín.

Sinuities aff. *bilobatus* (SOWERBY, 1839)

Pl. 5, fig. 5

- 1903 *Sinuities bilobatus* SOWERBY var. *infaustus* BARR. sp.; Perner, Systême silurien, Gastéropodes, IV, 1
 1963b *Sinuities* aff. *bilobatus* (SOWERBY, 1839); Horný, Lower Paleozoic Bellerophontina...

A rare sinuitid known from two poorly preserved, incomplete internal moulds, and several flattened specimens. The taxon cannot be exactly described and its satisfactory assignment to the British species is doubtful. External shell sculpture consists of simple, fine, collabral ribs.

Stratigraphy, locality. Upper Ordovician, Královorin, Králův Dvůr F.: Chodouň, Beroun – Králův Dvůr.

Sinuities strangulatus

(BARRANDE in PERNER, 1903)

Pl. 5, fig. 4

- 1903 *Bellerophon* (*Sinuities*?) *strangulatus* BARR.; Perner, Systême silurien, IV, Gastéropodes, 1
 1962 *Strangulites strangulatus* (PERNER, 1903); Horný, New genera...
 1963b *Strangulites strangulatus* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...
 1990 *Sinuities* (*Strangulites*) *strangulatus* (PERNER, 1903); Horný, Svalové vtisky...
 1991 *Sinuities* (*Strangulites*) *strangulatus* (PERNER, 1903); Horný, Další poznatky...

A rare sinuitid from the Králův Dvůr Formation with large (up to 30 mm), almost sphaerical shells, usually flattened in shales. Outer shell sculpture finely cancellate. Exceptionally well-preserved internal moulds from carbonate concretions at the Levín Hill yielded retractor muscle scars. Classification as a separate genus or a subgenus of *Sinuities* has not been affirmed (e.g. Wahlman 1992).

Stratigraphy, localities. Upper Ordovician, Královorin, Králův Dvůr F.: Chodouň, Beroun – Králův Dvůr, Levín.

Selesinuities HORNÝ, 1997

Type species: *Selesinuities perneri* HORNÝ, 1967. Middle Ordovician, Bohemia.

Selesinuities perneri HORNÝ, 1967

Pl. 5, figs 7, 8

- 1967c *Selesinuities perneri* sp. n.; Horný, New, rare, ...

A rare sinuitid similar to *S. sowerbyi* but with a low, wide keel with a pseudoselenizone in immature shells. Outer shell sculpture, dense collabral ribs; remains of subinductural deposits observed in the holotype. This species was reported from the Middle Ordovician of Morocco (Horný 1997g).

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Osek.

Family *Tropidodiscidae* KNIGHT, 1956

Tropidodiscus MEEK et WORTHEN, 1866

Type species: *Bellerophon curvilineatus* CONRAD, 1842. Lower Devonian, USA.

Tropidodiscus pusillus

(BARRANDE in PERNER, 1903)

Pl. 1, fig. 10; Pl. 5, fig. 9

- 1903 *Temnodiscus pusillus* BARR.; Perner, Systême silurien, IV, Gastéropodes, 1
 1962 *Tropidodiscus* (*Peruniscus*) *pusillus* (PERNER, 1903); Horný, New genera...
 1963b *Tropidodiscus* (*Peruniscus*) *pusillus* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...
 1997c *Tropidodiscus pusillus* (BARRANDE in PERNER, 1933); Horný, New, rare, ...
 1997g *Tropidodiscus pusillus* (BARRANDE in PERNER, 1933); Horný, Ordovician Tergomya...

The most common bellerophontoidean gastropod in the Ordovician of Bohemia, which occurs in masses in Middle Ordovician siliceous concretions and clayey shales. The sculpture consists of fine growth lines. Its shells are usually small (in average about 3–5 mm), but rarely occur large specimens reaching nearly 15 mm. The shell wall was usually damaged during early fossilization processes. Peel (1978) expressed an opinion that this species lived on algae, and Horný (1999a) speculated about pseudoplanktic life in floating algal carpets. A few specimens yielded retractor muscle scars. The species is distributed

in Llanvirnian of Morocco (Horný 1997g) and France (Pillet 1992); Pillet assumed (probably rightfully) that this species was conspecific with the British *Tropidodiscus acutus* (SOWERBY, 1839), and reported it from Anjou. The validity of the subgenus *Tropidodiscus* (*Peruniscus*) HORNÝ, 1962 was not affirmed. A new, related species occurs in the Dobrotivá Formation.

Stratigraphy, localities. Middle Ordovician, Llanvirnian, Šárka F. (abundant): Osek, Těžkov, Kařez, Praha – Šárka, Praha – Libuš, Úvaly; Dobrotivian, Dobrotivá F. (less abundant): Plzenec, Mýto, Malé Přílepy, Praha – Holešovičky, Praha – Šárka.

Tropidodiscus bouceki HORNÝ, 1997

Pl. 5, fig. 10

1997c *Tropidodiscus bouceki* sp. n.; Horný, New, rare, ...

To date, a single siliceous concretion was found containing several specimens of this species. It differs from *T. pusillus* by coarsely ribbed, in average much bigger, up to 17 mm long shell.

Stratigraphy, locality. Middle Ordovician, Llanvirnian, Šárka F.: Praha – Šárka.

Tropidodiscus sp.

1997c *Tropidodiscus* sp. A; Horný, New, rare, ...

Several imperfectly preserved specimens, similar to *T. pusillus*, were found in weathered silty carbonate concretions. Size is about 3-5 mm.

Stratigraphy, localities. Upper Ordovician, Berounian, Zahřany F.: Praha – Spořilov, Praha – Dubeč.

Tropidodiscus sp.

1997c *Tropidodiscus* sp. B; Horný, New, rare, ...

The only specimen comes from Barrande's collection. An internal mould is preserved in a decalcified concretion. The shell is laterally compressed, with ribbed external surface. Size 3.5 mm.

Stratigraphy, locality. Upper Ordovician, Králodvorian, Králův Dvůr F.: Beroun - Králův Dvůr.

Family **Bucaniidae** ULRICH et SCOFIELD, 1897

Bucanopsina HORNÝ, 1997

Type species: *Bucanopsis calypso* PERNER, 1903; Upper Ordovician, Bohemia.

Bucanopsina roemeri (BARRANDE in PERNER, 1903)

Pl. 6, fig. 1

1903 *Carinariopsis Roemeri* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1

1963b *Bucanopsis roemeri* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...

Imperfectly known species, occurring in sandstones and siltstones of the Letná Formation. About 25 mm long, low shell has a widely explanate aperture. Outer sculpture consists of distinct spiral and collabral ribs. The animal lived on shallow sandy and silty bottom. The majority of specimens are preserved as deformed, rough internal moulds.

Stratigraphy, localities. Upper Ordovician, Berounian, Letná F.: Trubská, Praha – Vysočany.

Bucanopsina calypso PERNER, 1903

Pl. 6, figs 2-4

1903 *Bucanopsis Calypso* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1

? 1903 *Bucania comata* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1

1963b *Bucanopsis calypso* PERNER, 1903; Horný, Lower Paleozoic Bellerophontina...

? 1963b *Bucanopsis* cf. *comata* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...

1997a *Bucanopsina calypso* (PERNER, 1903); Horný, *Bucanopsina* gen. n., ...

A bellerophontoid with widely explanate, up to 20 mm long shell, bearing fine spiral and collabral threads. It distinguishes from a similar *Grandostoma bohemicum* mainly by the presence of a dorsal selenizone and a strong parietal callus near the aperture. The shells often show repaired fractures after attempted predation. Several internal moulds yielded a pair of circumbilical retractor muscle scars. The animal probably lived in higher energy conditions on shallow, silty bottom. Poorly preserved *Bucanopsis comata* and *B. cf. comata* probably belong to this species. *B. calypso* has been reported from the Upper Ordovician of Morocco (Horný 1997g).

Stratigraphy, localities. Upper Ordovician, Berounian, Vínice to Bohdalec Fs: Loděnice, Praha – Libeň, Praha – Štěrboboholy.

Bucanopsina? sp.

1963b *Bucanopsis* sp.; Horný, Lower Paleozoic Bellerophontina...

Several specimens flattened in clayey shale from the Králův Dvůr Formation, 15-20 mm big, are deposited in the collections of the National Museum, Prague. They were originally labelled as *Bellerophon roemeri*. Preservation does not allow an accurate determination.

Stratigraphy, localities. Upper Ordovician, Králodvorian, Králův Dvůr F.: Libomyšl, Beroun – Králův Dvůr, Kosov.

Tritonophon ÖPIK, 1953

Type species: *Kokenospira (Tritonophon) trimetra* ÖPIK, 1953. Lower Silurian, Victoria.

Tritonophon peeli HORNÝ, 1997

Pl. 6, fig. 5

1903 *Bucaniella bohemica* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1

1963b *Bucanella* sp.; Horný, Lower Paleozoic Bellerophontina...

1997c *Bucanella?* sp.; Horný, New, rare, ...

1997f *Tritonophon peeli* sp. n.; Horný, Circumbilical retractor...

1997g *Tritonophon peeli* sp. n.; Horný, Ordovician Tergomya...

A rare species, known from clayey and silty deposits. A small, about 5 mm long, trilobed shell bears fine growth threads and a selenizone on a narrow dorsum. One specimen, already known to Barrande, comes from sandy facies at Drabov (Děd). Another internal mould yielded a circumbilical retractor muscle scar. The animal probably lived on algae.

Stratigraphy, localities. Upper Ordovician, Berounian, Letná to Bohdalec Fs: Beroun, Děd; Loděnice, Praha – Řeporyje, Praha – Vysočany, Praha – Hloubětín.

Tritonophon? bohemicus (PERNER, 1903)

Pl. 6, figs 6, 7

1903 *Bucaniella bohémica* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1

1963 *Bucanella bohémica* (PERNER, 1903); Marek, Bellerophon-tid Gastropods...

1963b *Bucanella bohémica* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...

1974 *Tritonophon? bohémica* (PERNER, 1903); Peel, Systematics, ontogeny...

A rare species; trilobed shell with fine spiral and collabral lines; narrow dorsal sinus (or selenizone?). Size less than 10 mm. Found in siltstone concretions and sandstone. The animal probably lived on algae.

Stratigraphy, localities. Upper Ordovician, Králodvorian, Králův Dvůr F.: Chodouň, Praha – Běchovice.

Eobucania KOBAYASHI, 1955

Type species: *Eobucania pulchra* KOBAYASHI, 1955. Lower Ordovician, British Columbia.

Eobucania? bohémica HORNÝ, 1997

Pl. 6, fig. 8

1997c *Eobucania? bohémica* sp. n.; Horný, New, rare, ...

A unique, fragmentary, globose shell, about 8 mm big, shows fine collabral threads and a wide selenizone on a rounded dorsum. Assignment of this species to *Eobucania* is, however, tentative and needs study of additional material. The shell shape and a steep angle of growth lines with a surprisingly wide selenizone may indicate a relationship with specialized Lower Ordovician representatives of coiled tergomyans *Thoralispira* HORNÝ et VIZCAÍNO, 1995 and *Carcassonnella* HORNÝ et PEEL, 1996.

Stratigraphy, locality. Middle Ordovician, Dobrotivian, Dobrotivá F.: Praha – Šárka.

Family *Pterothecidae* WENZ, 1938

Pterotheca SALTER, 1853

Type species: *Atrypa transversa* PORTLOCK, 1843; Middle Ordovician, Ireland.

Pterotheca consobrina BARRANDE, 1872

Pl. 6, fig. 9

1872 *Pterotheca consobrina* BARR.; Barrande, Systême silurien, I, Trilobites, Supplement

1963b *Pterotheca consobrina* BARRANDE, 1872; Horný, Lower Paleozoic Bellerophontina...

Flat bellerophontoids with reduced spire, narrow dorsal keel and widely expanded apertural margin. The shell has an appearance of a flat brachiopod. Maximum size about 25 mm. *P. consobrina* was adapted to quiet, soft, muddy bottom. Rare; almost all specimens come from Barrande's collection.

Stratigraphy, locality. Upper Ordovician, Králodvorian, Králův Dvůr F.: Beroun – Králův Dvůr.

Family *Bellerophontidae* McCOY, 1851

Cymbularia KOKEN, 1896

Type species: *Cymbularia galeata* KOKEN, 1896. Middle Ordovician, Estonia.

Cymbularia klouceki HORNÝ, 1997

Pl. 6, fig. 10

1997c *Cymbularia klouceki* sp. n.; Horný, New, rare, ...

Small, almost globose shells up to 11 mm long, with fine collabral threads and well-developed, low dorsal keel on a rounded dorsum. A characteristic but rare species for the Dobrotivá Formation, occurring in siliceous concretions, rarely in shales. It may have lived psudoplanktonically, similar to *Tropidodiscus pusillus*.

Stratigraphy, localities. Middle Ordovician, Dobrotivian, Dobrotivá F.: Mýto, Malé Přílepy, Praha – Šárka.

Cymbularia sp.

1997c *Cymbularia* sp.; Horný, New, rare, ...

A unique find from a redeposited concretion in gravel terrace. A keeled shell about 11 mm long, with rhombic transversal section. Stratigraphic position uncertain.

Stratigraphy, locality. Middle Ordovician, Llanvirnian or Dobrotivian, Šárka or Dobrotivá Fs: Praha – Hlubočepy.

Family ? (Subfamily *Grandostomatinae* HORNÝ, 1962)

Grandostoma HORNÝ, 1962

Type species: *Salpingostoma grande* BARRANDE in PERNER, 1903. Upper Ordovician, Bohemia.

Grandostoma bohemicum (PERNER, 1903)

Pl. 6, figs 11, 12

1903 *Carinariopsis bohémica* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1

- 1903 *Carinariopsis catenularia* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Carinariopsis Sardesoni* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1903 *Bucania delicatula* PERNER; Perner, Systême silurien, IV, Gastéropodes, 1
 1963b *Grandostoma bohemicum* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...
 1996d *Grandostoma bohemicum* (PERNER, 1903); Horný, *Grandostoma*...
 1997b *Grandostoma bohemicum* (PERNER, 1903); Horný, Shell breakage...

- 1962 *Grandostoma grande* (PERNER, 1903); Horný, New genera...
 1963b *Grandostoma grande* (PERNER, 1903); Horný, Lower Paleozoic Bellerophontina...
 1997e *Grandostoma grande* (BARRANDE in PERNER, 1903); Horný, Circumbilical...

A characteristic species with strong transversal ribs crossed with undulated spiral lines. Spire small. Dorsum with a shallow sinus. One pair of circumbilical retractor muscle insertions. Widely explanate aperture up to 65 mm across testifies adaptation to quiet, soft, clayey bottom. The majority of specimens come from Barrande's collection. According to an opinion of Horný (1963b), confirmed by O. J. Ebbestad (2000), this species is distributed also in the Upper Ordovician of Great Britain.

Stratigraphy, localities. Upper Ordovician, Kralodvorian, Králův Dvůr F.: Beroun – Králův Dvůr, Chodouň, Velká Chuchle, Levín.

An explanate bellerophontacean gastropod, up to 30 mm big, occurring in clayey siltstones and shales of the Berounian stage. It is similar to *Bucanopsis calypso* but lacks selenizone and callus. It was probably adapted to less dynamic conditions but its fossils are often found in taphocoenoses together with *B. calypso*. The best-preserved specimens come from carbonate concretions in basal parts of the Bohdalec Formation in Praha – Hloubětín. Like in *B. calypso*, the shells often show repaired fractures after attempted predation, and some of the internal moulds yielded circumbilical retractor muscle insertions. The species may represent a separate genus.

Stratigraphy, main localities. Upper Ordovician, Berounian, Vinice, Zahořany, and Bohdalec Formations: Loděnice, Praha – Velká Chuchle, Praha – Jinonice, Praha – Libeň, Praha – Štěrboholy.

Grandostoma grande
 (BARRANDE in PERNER, 1903)

Pl. 6, fig. 13

***Grandostoma taconicum* MAREK, 1963**

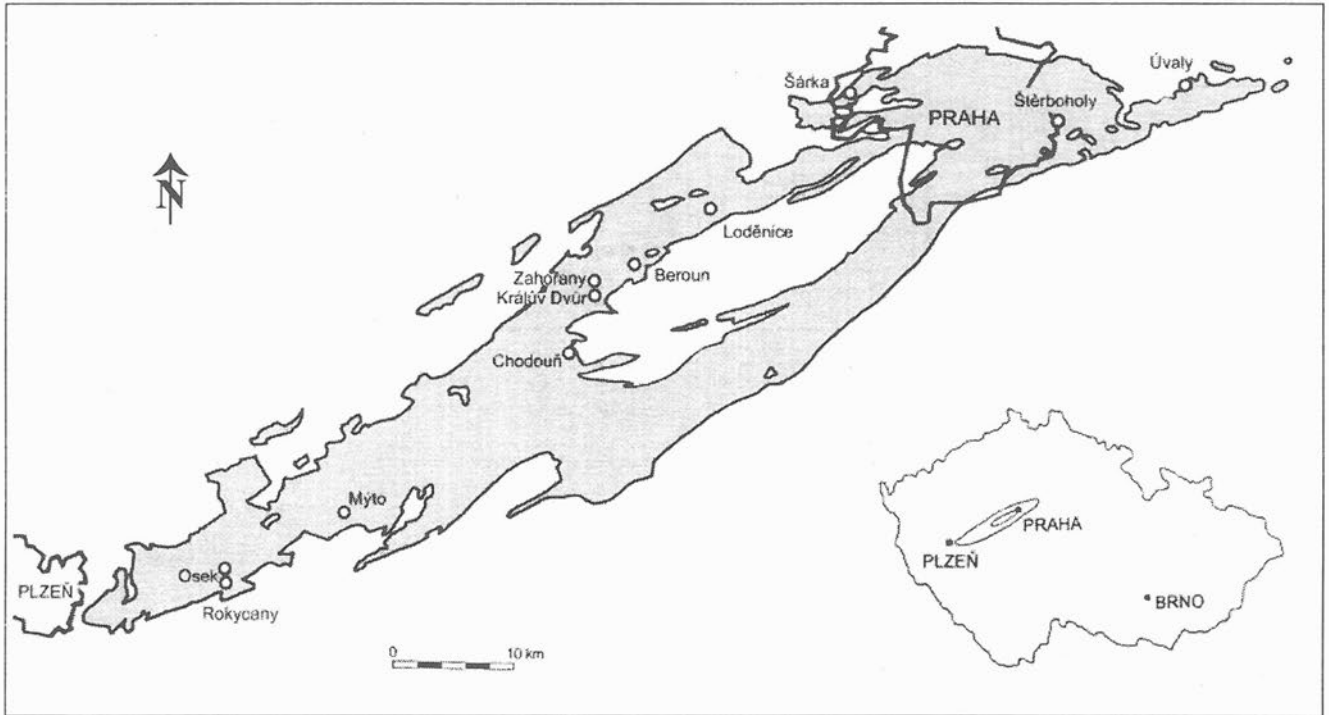
Pl. 6, fig. 14

- 1963 *Grandostoma taconicum* n. sp.; Marek, Bellerophontid Gastropods...
 1963b *Grandostoma taconicum* MAREK, 1903; Horný, Lower Paleozoic Bellerophontida...

A rare species known from several incomplete and poorly preserved specimens; size about 15 mm.

Stratigraphy, locality. Upper Ordovician, Kosovian, Kosov Formation; Běchovice near Praha.

- 1903 *Salpingostoma grande* BARR. sp.; Perner, Systême silurien, IV, Gastéropodes, 1



Ordovician in the central part of the Barrandian Area between Praha and Plzeň (after Chlupáč, I. et al. 1998)

Series	Stages	Formations	lithology	graptolite zones	Tergomya and Gastropoda	
UPPER	Kosovian	Kosov	sandstones, shales	Glyptograptus bohemicus	<u>Tergomya</u> : <i>Sinuitopsis hornyi</i> , <i>Cyrtodiscus? evolvens</i> , <i>Sarkanella kolebabai</i> <u>Gastropoda</u> : <i>Trinophon? bohemicus</i> , <i>Grandostoma taconicum</i>	
		Kralodvorian	Kráľův Dvůr	grey-green claystones	Glyptograptus cf. ojsuensis ----- Scalarigraptus angustus ----- Glyptograptus teres	<u>Tergomya</u> : <i>Cyrtodiscus? evolvens</i> <u>Gastropoda</u> : <i>Archinacellina modesta</i> , <i>Sinuites strangulatus</i> , <i>S. aff. bilobatus</i> , <i>Tropidodiscus sp.</i> , <i>Bucanopsina? sp.</i> , <i>Tritonophon? bohemicus</i> , <i>Pterotheca consobrina</i> , <i>Grandostoma grande</i>
	Berounian	Bohdalec	Bohdalec	black claystones	Diplograptus vulgatus	<u>Tergomya</u> : <i>Sinuitopsis neglecta</i> , <i>Sarkanella novaki</i> <u>Gastropoda</u> : <i>Barrandicella? tarda</i> , <i>Marekicella podexpulicis</i> , <i>Pygmaeoconus krafti</i> , <i>Sinuites sp.</i> , <i>Bucanopsina calypso</i> , <i>Tritonophon peeli</i> , <i>Grandostoma bohemicum</i>
				carbonate siltstones	----- Dicranograptus cf. clingani	
		Zahořany	Zahořany	siltstones	Glyptograptus insculptus, Glyptograptus trubinensis extensus	<u>Tergomya</u> : <i>Sinuitopsis neglecta</i> , <i>Cyrtodiscus simaki</i> <u>Gastropoda</u> : <i>Barrandicella? tarda</i> , <i>Marekicella podexpulicis</i> , <i>Pygmaeoconus krafti</i> , <i>Tropidodiscus sp.</i> , <i>Bucanopsina calypso</i> , <i>Tritonophon peeli</i> , <i>Grandostoma bohemicum</i>
		Vinice	Vinice	black shales	Glyptograptus trubinensis trubinensis	<u>Tergomya</u> : <i>Sinuitopsis neglecta</i> <u>Gastropoda</u> : <i>Bucanopsina calypso</i> , <i>Grandostoma bohemicum</i>
		Letná	Letná	sandstones, greywackes, shales		<u>Tergomya</u> : <i>Sinuitopsis neglecta</i> , <i>Cyrtodiscus procer</i> <u>Gastropoda</u> : <i>Barrandicellopsis? extenuata</i> , <i>Bucanopsina roemeri</i> , <i>Tritonophon peeli</i>
	Libeň	Libeň	black shales		<u>Tergomya</u> : <i>Sinuitopsis sp.</i>	
			sandstones			
	MIDDLE	Dobrotivian	Dobrotivá	black shales	Glyptograptus tricornis	<u>Tergomya</u> : <i>Pentalina prantli</i> , <i>Sinuitopsis sp.</i> , <i>Sinuitopsina plasi</i> , <i>Cyrtodiscus nitidus</i> , <i>Carcassonnella sp.</i> , <i>Sarkanella vokovicensis</i> <u>Gastropoda</u> : <i>Barrandicella ovata</i> , <i>Barrandicella? cf. tarda</i> , <i>Patelliconus primulus</i> , <i>Micropileus? ordovicinus</i> , <i>Sinuites sowerbyi</i> , <i>S. reticulatus</i> , <i>Tropidodiscus pusillus</i> , <i>?Eobucania bohémica</i> , <i>Cymbularia kloučeki</i> , <i>Cymbularia sp.</i>
Llanvirnian		Šárka	black shales	Didymograptus clavulus	<u>Tergomya</u> : <i>Sinuitopsis evoluta</i> , <i>Cyrtodiscus nitidus</i> , <i>Carcassonnella pragensis</i> <u>Gastropoda</u> : <i>Barrandicella ovata</i> , <i>Barrandicella holubi</i> , <i>Barrandicellopsis elevata</i> , <i>Patelliconus primulus</i> , <i>Pygmaeoconus porrectus</i> , <i>P. kettneri</i> , <i>P.? latiusculus</i> , <i>Kornoutella bohémica</i> , <i>Sinuites sowerbyi</i> , <i>S. reticulatus</i> , <i>S. hanusi</i> , <i>Selesinuites perneri</i> , <i>Tropidodiscus pusillus</i> , <i>T. boučeki</i>	
			black shales	----- Corymbograptus retroflexus		
LOWER	Arenigian	Klabava	greenish shales red deposits	Tetragraptus abbreviatus ----- Holograptus tardibrachiatus ----- Corymbograptus V-similis (Clonograptus)	<u>Tergomya</u> : <i>Peelerophon mergli</i> <u>Gastropoda</u> : <i>Sinuites sp.</i>	
	Tremadocian	Milina	silicites, red shales			
	Třenice	Třenice	sandstones, conglomerates	(<i>Rhabdinopora intermedia</i>)		

Distribution of Tergomya and isostrophic Gastropoda in the Ordovician of Bohemia (partly after V. Havlíček in I. Chlupáč et al. 1998)

CATALOGUE

How to use the catalogue

The catalogue contains all type and referred specimens of Czech Ordovician tergomyans and isostrophic and symmetrical gastropods deposited in the collections of the Department of Palaeontology, Museum of Natural History, National Museum, Prague. The brachiopod *Ptychopeltis incola* PERNER, 1903, originally described as a gastropod (Perner 1903, Pl. 43, figs 8-15), has not been included.

The first line. The items are arranged alphabetically according to specific names, as originally used. For the purpose of the catalogue, all specific names are given with a small initial letter. The specific name precedes the generic, which is separated by a comma. Both names are printed in bold types. In cases that a species was not defined, the generic name is given as first. After the colon, the author/s of taxon with the relevant year is/are given.

The second line gives the year of publication as quoted in the references, its author/s, and an indication of illustration/s. In case that the specimen was figured on a plate and on a text-figure, the

plate precedes the figure. In case that the specimen was re-figured, additional line/s is/are intercalated indicating the year, author, illustration/s, and name of the taxon as used. The abbreviation AD means an additional specimen used for the relevant figure.

The third line gives data about the age and locality. After the abbreviation Oxx [OLA (Lower Ordovician, Arenigian), OML (Middle Ordovician, Llanvirnian), OMD (Middle Ordovician, Dobrotivian), OUB (Upper Ordovician, Berounian), OUK (Upper Ordovician, Kralodvorian), and OUKo (Upper Ordovician, Kosovian)] follows a name of the formation, and after a semi-colon a name of the locality, both in present usage.

The fourth line contains the catalogue number (L xxxx). In case that the specimen has a counterpart, the symbol ± is added. After comma, the category of nomenclatory type is added; in case of the lectotype, the author and a date of the subsequent designation (SD) are given. The symbol ■ at the beginning of this line indicates the mandatory type (holotype, lectotype).

The fifth line gives an abbreviation of the class name (T – Tergomya, G – Gastropoda), followed by the name in full wording accepted as valid.

atavum, *Salpingostoma*? : PERNER, 1903

1903 Perner: Text-fig. 72a, p. 103

OML: Šárka F.; Praha – Lhotka

■ L 23777, lectotype (SD Horný herein)

= anorganic structure

atavum, *Salpingostoma*? : PERNER, 1903

1903 Perner: Text-fig. 72b, p. 103

OML: Šárka F.; Praha – Lhotka

L 23778, paralectotype

= anorganic structure

bicarinatus, *Temnodiscus*: PERNER, 1903

1903 Perner: Text-figs 52a-d, p. 77

OUB: Letná F.; Trubská

■ L 5643, lectotype (SD Horný herein)

T = *Sinuitopsis neglecta* PERNER, 1903 (Horný 1963b)

bicarinatus, *Temnodiscus*: PERNER, 1903

1903 Perner: AD Text-figs 52a-d, p. 77

OUB: Letná F.; Trubská

L 5644, paralectotype

T = *Sinuitopsis neglecta* PERNER, 1903 (Horný 1963b)

bilobatus var. **infaustus, *Sinuites***: BARRANDE in PERNER, 1903

1907 Perner: Pl. 112, figs VI/1, 2

OUK: Králův Dvůr F.; Lejškov (= Chodouň)

L 5609, paralectotype

G = *Sinuites* aff. *bilobatus* (SOWERBY, 1839)

bilobatus var. **infaustus, *Sinuites***: BARRANDE in PERNER, 1903

1907 Perner: Pl. 112, figs VI/3-5; Text-figs 27a-e, p. 60

1963b Horný: Pl. 5, figs 1-3 (*Sinuites* aff. *bilobatus*)

OUK: Králův Dvůr F.; Lejškov (= Chodouň)

■ L 5608, lectotype (SD Horný 1963b)

G = *Sinuites* aff. *bilobatus* (SOWERBY, 1839)

bohemia, *Bucanella*: PERNER, 1903

1963 Marek: Pl. 2, figs 1-3

1963b Horný: Pl. 9, fig 7 (*Bucanella bohemia*)

1974 Peel: Text-fig. 10, p. 249 (*Tritonophon? bohemia*)

OUKo: Kosov F.; Praha – Běchovice

L 36542

G = *Tritonophon? bohemicus* (PERNER, 1903) (Peel 1974)

bohemia, *Bucaniella*: PERNER, 1903

1903 Perner: Pl. 86, figs 40-42

1963b Horný: specimen mentioned on p. 81 (*Bucanella* sp.)

OUB: Letná F.; Drabov (= Beroun, Děd)

L 5623, paralectotype

G = *Tritonophon peeli* HORNÝ, 1997 (Horný 1997f)

bohemia, *Bucaniella*: PERNER, 1903

1903 Perner: Text-figs 41a, b, p. 67

1963b Horný: Pl. 9, figs 5, 6 (*Bucanella bohemia*)

OUK: Králův Dvůr F.; Lejškov (= Chodouň)

■ L 5622, lectotype (SD Horný 1963b)

G = *Tritonophon? bohemicus* (PERNER, 1903) (Peel 1974)

bohemia, *Carinariopsis*: PERNER, 1903

1903 Perner: Pl. 88, figs 41, 42; Text-figs 66a-d, p. 94

1963b Horný: Pl. 10, fig. 1 (*Grandostoma bohemicum*)

1996d Horný: Pl. 2, fig. 4 (*Grandostoma bohemicum*)

OUB: Zahořany F.; Loděnice

■ L 5652, holotype by monotypy

G = *Grandostoma bohemicum* (PERNER, 1903)

bohemia, *Eobucania*? : HORNÝ, 1997

1997c Horný: Text-figs 12c, p. 230; 13a-d, p. 231

OMD: Dobrotivá F.; Praha – Šárka

■ L 32361 ±, holotype

G = *Eobucania? bohemia* HORNÝ, 1997

bohemia, *Kornoutella*: (HORNÝ, 1963)

1997c Horný: Text-fig. 20a, p. 235

OML: Šárka F.; Praha – Šárka

L 31986

G? = *Kornoutella bohemia* (HORNÝ, 1963) (Horný 1997c)

bohemicum, *Grandostoma*: (PERNER, 1903)

1963b Horný: Pl. 10, fig. 4

OUB: Zahořany F.; Praha – Strašnice

L 5656 ±

G = *Grandostoma bohemicum* (PERNER, 1903) (Horný 1963b)

bohemicum, *Grandostoma*: (PERNER, 1903)

1963b Horný: Pl. 10, figs 5, 6

OUB: Zahořany F.; Loděnice

L 5659

G = *Grandostoma bohemicum* (PERNER, 1903) (Horný 1963b)

- bohemicum, Grandostoma*: (PERNER, 1903)
1996d Horný: Pl. 1 figs 1, 2; Pl. 2, figs 1-3
1997b Horný: Text-fig. 1, p. 160 (*Grandostoma bohemicum*)
OUB: Bohdalec F.; Praha – Hloubětín
L 31170
G = *Grandostoma bohemicum* (PERNER, 1903)
- bohemicum, Grandostoma*: (PERNER, 1903)
1996d Horný: Pl. 1, figs 3-7; Pl. 2, figs 5, 6; Text-figs 1a, b, p. 224 (non L 31168)
OUB: Zahořany F.; Praha – Michle
L 31167
G = *Grandostoma bohemicum* (PERNER, 1903)
- bohemicum, Grandostoma*: (PERNER, 1903)
1996d Horný: Pl. 2, fig. 7; Text-fig. 3, p. 226
1997b Horný: Text-figs 5a, b, p. 163; Text-fig. 8c, p. 164 (*Grandostoma bohemicum*)
OUB: Bohdalec F.; Praha – Hloubětín
L 31173
G = *Grandostoma bohemicum* (PERNER, 1903)
- bohemicum, Grandostoma*: (PERNER, 1903)
1996d Horný: Pl. 2, figs 8, 9
1997a Horný: Text-fig. 1a, p. 6 (*Grandostoma bohemicum*)
1997b Horný: Text-figs 4a, b, p. 163; Text-fig. 8b, p. 164 (*Grandostoma bohemicum*)
OUB: Zahořany F.; Praha – Michle
L 31168
G = *Grandostoma bohemicum* (PERNER, 1903)
- bohemicum, Grandostoma*: (BARRANDE in PERNER, 1903)
1997b Horný: Text-figs 2a, b, p. 161; Text-figs 3a-c, p. 162; Text-fig. 8a, p. 164 (non L 31168)
OUB: Zahořany F.; Praha – Spořilov
L 31948
G = *Grandostoma bohemicum* (BARRANDE in PERNER, 1903)
- bohemicum, Grandostoma*: (BARRANDE in PERNER, 1903)
1997b Horný: Text-fig. 6, p. 163; Text-fig. 8d, p. 134
OUB: Zahořany F.; Praha – Dubeč
L 31951
G = *Grandostoma bohemicum* (BARRANDE in PERNER, 1903)
- bohemicum, Grandostoma*: (BARRANDE in PERNER, 1903)
1997b Horný: Text-fig. 7, p. 164; text-fig. 8c, p. 164
OUB: Bohdalec F.; Praha – Hloubětín
L 31952
G = *Grandostoma bohemicum* (BARRANDE in PERNER, 1903)
- bohemicum, Grandostoma*: (BARRANDE in PERNER, 1903)
1997e Horný: Pl. 1, figs 5, 6
OUB: Bohdalec F.; Praha – Hloubětín
L 31958
G = *Grandostoma bohemicum* (BARRANDE in PERNER, 1903)
- bohemicum, Grandostoma*: (BARRANDE in PERNER, 1903)
1997e Horný: Pl. 1, figs 7
OUB: Bohdalec F.; Praha – Hloubětín
L 31950
G = *Grandostoma bohemicum* (BARRANDE in PERNER, 1903)
- bohemicus, Hypseloconus*?: HORNÝ, 1963
1963a Horný: Pl. 9, figs 6-10; text-fig. 8, p. 34
1997c Horný: Text-figs 20b, c, p. 235 (*Kornoutella bohemica*)
OML: Šárka F.; Praha – Šárka
■ L 31985, holotype
G? = *Kornoutella bohemica* (HORNÝ, 1963)
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: Text-fig. 17a, p. 233
OML: Šárka F.; Praha – Šárka
■ L 32380 ±, holotype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: Text-fig. 17b, p. 233
OML: Šárka F.; Praha – Šárka
L 32381, paratype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: p. 233
OML: Šárka F.; Praha – Šárka
L 32382 ±, paratype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: p. 233
OML: Šárka F.; Praha – Šárka
L 32383, paratype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: p. 233
OML: Šárka F.; Praha – Šárka
L 32384, paratype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- bouceki, Tropidodiscus*: HORNÝ, 1997
1997c Horný: p. 233
OML: Šárka F.; Praha – Šárka
L 32385, paratype
G = *Tropidodiscus bouceki* HORNÝ, 1997
- Bucanella*? sp.
1997c Horný: Text-fig. 14, p. 231
1997f Horný: Text-figs 1a-c, p. 334; text-fig. 2a-c, p. 335 (*Tritonophon peeli*)
1997g Horný: Pl. 8, fig. 7 (*Tritonophon peeli*)
OUB: Letná F.; Praha – Vysočany
■ L 31999, holotype of *T. peeli*
G = *Tritonophon peeli* HORNÝ, 1997
- Bucanopsis* sp.
1963b Horný: Pl. 31, fig. 9
OUK: Králův Dvůr F.; Libomyšl
L 5740
G = *Bucanopsina* sp. (Horný herein)
- Bucanopsis* sp.
1963b Horný: specimen mentioned on p. 116
OUK: Králův Dvůr F.; Beroun – Králův Dvůr, Kosov
L 5741
G = *Bucanopsina* sp. (Horný herein)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-fig. 1b, p. 6
OUB: Zahořany F.; Praha – Jinonice
L 31181
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-figs 5a-d p. 8
1997b Horný: Text-figs 9a-d, p. 165; Text-fig. 12a, p. 166 (*Bucanopsina calypso*)
OUB: Zahořany F.; Praha – Michle
L 31174
G = *Bucanopsina calypso* (PERNER, 1903)

- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-figs 6a-c, p. 9; text-figs 7a-c, p. 10
OUB: Zahořany F.; Praha – Jínonice
L 31180
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-fig. 6d, p. 9
OUB: Zahořany F.; Praha – Libeň, Palmovka
L 31183
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-fig. 6e, p. 9
OUB: Zahořany F.; Praha – Štěrboholy
L 31187
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-figs 8a-c, p. 10
OUB: Zahořany F.; Praha – Jínonice
L 31179
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-fig. 9, p. 11
OUB: Zahořany F.; Praha – Štěrboholy
L 31185
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997a Horný: Text-fig 10 (a), p. 12 (error: *Bucanopsina bohémica*)
OUB: Letná F.; Řevnice, Hviždinec
L 31945, L 31946, L 31947
G = ? *Bucanopsina roemeri* (BARRANDE in PERNER, 1903) (Horný herein)
- calypso, Bucanopsina*: (PERNER, 1903)
1997b Horný: Text-fig. 10, p. 165; Text-fig. 12b, p. 166
OUB: Zahořany F.; Praha – Michle
L 31176
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsina*: (PERNER, 1903)
1997b Horný: Text-figs 11a, b, p. 166; Text-fig. 12C, p. 166
OUB: Zahořany F.; Praha – ?Štěrboholy
L 31175
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsis*: PERNER, 1903
1903 Perner: Text-figs 110a-c, p. 157
1963b Horný: Pl. 28, figs 6-8 (*Bucanopsis calypso*)
1997a Horný: Text-figs. 3a-d, p. 7; Text-fig. 4, p. 8 (*Bucanopsina calypso*)
OUB: Zahořany F.; Praha – Libeň
■L 5738, lectotype (SD Horný 1963b)
G = *Bucanopsina calypso* (PERNER, 1903)
- calypso, Bucanopsis*: PERNER, 1903
1903 Perner: AD Text-figs 110a-c, p. 157
1963b Horný: Pl. 28, fig. 9 (*Bucanopsis calypso*)
OUB: Zahořany F.; Praha – Libeň
L 5739, paralectotype
G = *Bucanopsina calypso* (PERNER, 1903) (Horný 1997a)
- capuloidea, Archinacella*: PERNER, 1903
1903 Perner: Pl. 1, figs 40, 41; Text-figs 8a-c p. 36
1963a Horný: Pl. 7, figs 1-5; Text-figs. 6, 7, p. 32 (*Archinacellina modesta*); error: *Archinacella capuloides*
1999 Peel and Horný: Text-figs 10a-f, p. 110 (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
■L 5903, holotype by monotypy; by error designated as a paratype of *Archinacella modesta* by Horný 1963a and Peel and Horný 1999
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- Carcassonnella* sp. n.: HORNÝ, 1997
1997c Horný: Text-figs 7a, b, p. 228
OMD: Dobrotivá F.; Kařízek
L 32400
T = *Carcassonnella* sp. n.
- catenularia, Carinariopsis*: PERNER, 1903
1903 Perner: Pl. 85, fig. 16
OUB: Zahořany F.; Loděnice
L 10838, paralectotype
G = *Grandostoma bohemicum* (PERNER, 1903) (Horný 1963b)
- catenularia, Carinariopsis*: PERNER, 1903
1903 Perner: Pl. 88, fig. 43; Text-figs 65a-d, p. 93
1963b Horný: Pl. 10, fig. 2 (*Grandostoma bohemicum*)
OUB: Zahořany F.; Loděnice
■L 5654, lectotype (SD Horný 1996d)
G = *Grandostoma bohemicum* (PERNER, 1903) (Horný 1963b)
- catenularia, Carinariopsis*: PERNER, 1903
1903 Perner: Pl. 88, fig. 44; Text-fig. 65e, p. 93
OUB: Zahořany F.; Praha – Štěrboholy
L 5655, paralectotype
G = *Grandostoma bohemicum* PERNER, 1903 (Horný 1963b)
- comata, Bucania*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, figs 30, 31
1963b Horný: Pl. 29, fig. 6 (*Bucanopsis comata*)
OUB: Zahořany F.; Zahořany
■L 5742, holotype by monotypy
G = *Bucanopsina* cf. *calypso* PERNER, 1903 (Horný herein)
- comata, cf., Bucanopsis*: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 29, fig. 7
OUB: Zahořany or Letná Fs.; Vráž
L 5743
G = *Bucanopsina* cf. *calypso* (BARRANDE in PERNER, 1903) (Horný herein)
- consobrina, Pterotheca*: BARRANDE, 1872
1872 Barrande: Pl. 20, fig. 19
1963b Horný: Pl. 16, fig. 4 (*Pterotheca consobrina*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5750, paralectotype
G = *Pterotheca consobrina* BARRANDE, 1872
- consobrina, Pterotheca*: BARRANDE, 1872
1872 Barrande: Pl. 20, fig. 20
1963b Horný: Pl. 16, fig. 1 (*Pterotheca consobrina*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
■L 5747, lectotype (SD Horný 1963b)
G = *Pterotheca consobrina* BARRANDE, 1872
- consobrina, Pterotheca*: BARRANDE, 1872
1872 Barrande: Pl. 20, fig. 21
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5751, paralectotype
G = *Pterotheca consobrina* BARRANDE, 1872

- consobrina, Pterotheca*: BARRANDE, 1872
1872 Barrande: Pl. 32, fig. 22
1963b Horný: Pl. 16, fig. 3 (*Pterotheca consobrina*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5749, paralectotype
G = *Pterotheca consobrina* BARRANDE, 1872
- consobrina, Pterotheca*: BARRANDE, 1872
1872 Barrande: Pl. 32, fig. 23
1963b Horný: Pl. 16, fig. 2 (*Pterotheca consobrina*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5748, paralectotype
G = *Pterotheca consobrina* BARRANDE, 1872
- consobrina, Pterotheca*: BARRANDE, 1872
1963b Horný: Pl. 16, fig. 5
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5752
G = *Pterotheca consobrina* BARRANDE, 1872
- Cymbularia* sp.
1997c Horný: Text-figs 16a, b, p. 233
OML/OMD: Šárka or Dobrotivá Fs; Praha – Hlubočepy
L 32397
G = *Cymbularia* sp.
- delicatula, Bucania*: PERNER, 1903
1903 Perner: Text-figs 109a-d, p. 156
1963b Horný: Pl. 10, fig. 3; Pl. 11, fig. 2 (*Grandostoma bohemicum*)
OUB: Zahořany F.; Loděnice
■L 5657, lectotype (SD Horný herein)
G = *Grandostoma bohemicum* (PERNER, 1903)
- delicatula, Bucania*: PERNER, 1903
1903 Perner: AD Text-figs 109a-d, p. 156
OUB: Zahořany F.; Loděnice
L 5658, paralectotype
G = *Grandostoma bohemicum* (PERNER, 1903) (Horný herein)
- draboviensis, Bellerophon* (s. l.) (*Bucania*?): BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, fig. 26
1963b Horný: p. 144 (*species incerta*)
OUB: Letná F.; Drabov (= Beroun, Děd)
■L 10855, holotype by monotypy
= indeterminate bellerophonitiform mollusc
- elevata, Barrandicellopsis*: (BARRANDE in PERNER, 1903)
2000a Horný: Text-fig. 7, p. 149
OML: Šárka F.; Kařez – Pětídomky
L 5723
G = *Barrandicellopsis elevata* (BARRANDE in PERNER, 1903)
- elevata, Barrandicellopsis*: (BARRANDE in PERNER, 1903)
2000a Horný: Text-figs 8a, b, p. 149
OML: Šárka F.; Osek
L 30063
G = *Barrandicellopsis elevata* (BARRANDE in PERNER, 1903)
- evolvens, Cyrtolites*?: BARRANDE in PERNER, 1903
1903 Perner: Pl. 86, figs 22-24
1963b Horný: Pl. 15, fig. 2 (*Temnodiscus evolvens*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr, Kosov
■L 5670, holotype by monotypy
T = *Cyrtodiscus? evolvens* (BARRANDE in PERNER, 1903) (Horný herein)
- evolvens, Temnodiscus*: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 15, fig. 1
OUK: Králův Dvůr F.; Beroun – Králův Dvůr, Kosov
L 5671
T = *Cyrtodiscus? evolvens* (BARRANDE in PERNER, 1903) (Horný herein)
- extenuata, Orthonychia*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 3, figs 11, 12
1911 Perner: p. 186 (*Orthonychia? extenuata*)
2000a Horný: Text-figs 11Aa, b, p. 151 (*Barrandicellopsis? extenuata*)
OUB: Letná F.; Drabov (= Beroun, Děd)
■L 5425, holotype by monotypy
G = *Barrandicellopsis? extenuata* (BARRANDE in PERNER, 1903)
- extenuata, Barrandicellopsis*?: (BARRANDE in PERNER, 1903)
2000a Horný: Text-figs 11Ba, b, p. 151
OUB: Letná F.; fields between Trubská and Trubín
L 32742
G = *Barrandicellopsis? extenuata* (BARRANDE in PERNER, 1903)
- extenuata, Barrandicellopsis*?: (BARRANDE in PERNER, 1903)
2000a Horný: Text-figs 11Ca, b, p. 151
OUB: Letná F.; fields between Trubská and Trubín
L 32743
G = *Barrandicellopsis? extenuata* (BARRANDE in PERNER, 1903)
- extenuata, Barrandicellopsis*?: (BARRANDE in PERNER, 1903)
2000a Horný: Text-fig. 11D, p. 151
OUB: Letná F.; fields between Trubská and Trubín
L 32744
G = *Barrandicellopsis? extenuata* (BARRANDE in PERNER, 1903)
- ferrigena, Temnodiscus*: PERNER, 1903
1903 Perner: Text-fig. 54, p. 78
1907 Perner: Pl. 114, figs 5, 6 (*Sinuitopsis nodosa?*)
OUB: Zahořany F.; Loděnice
■L 5630, holotype by monotypy
T = *Sinuitopsis neglecta* PERNER, 1903 (Horný 1963b)
- grande, Grandostoma*: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 11, fig. 3
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5663
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Grandostoma*: (BARRANDE in PERNER, 1903)
1963b Horný: specimen mentioned on p. 86 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5665
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Grandostoma*: (BARRANDE in PERNER, 1903)
1997e Horný: Pl. 1, fig. 1
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 31960
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Grandostoma*: (BARRANDE in PERNER, 1903)
1997e Horný: Pl. 1, fig. 2
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 31961
G = *Grandostoma grande* (PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 84, figs 12-14
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 36540, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903) (Horný 1963b)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, figs 25
1963b Horný: Pl. 11, fig. 4 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5662, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)

- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, figs 26, 27
1963b Horný: Pl. 12, fig. 3 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5666, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 28
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 10840, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903) (Horný 1963b)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 29
1963b Horný: Pl. 12, figs 5, 6 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5661, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 30; Text-fig. 69f, p. 98
1963b Horný: Pl. 12, fig. 2 (*Grandostoma bohemicum*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
■ L 5660, lectotype (SD Horný 1963b)
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 31
1963b Horný: Pl. 11, fig. 5; Pl. 12, fig. 1 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5667, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 32
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 36709, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903) (Horný 1963b)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Text-figs 69a₁, a₂, p. 98
1997e Horný: Pl. 1, figs 3, 4 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5668, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Text-figs 69b₁, b₂, p. 98
1963b Horný: Pl. 1, fig. 6 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5669, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Text-fig. 69e, p. 98
1963b Horný: Pl. 12, fig. 4 (*Grandostoma grande*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5664, paralectotype
G = *Grandostoma grande* (BARRANDE in PERNER, 1903)
- grande?, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, fig. 1
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 10852
G = *Sinuites* aff. *bilobatus* (SOWERBY, 1839) (Horný herein)
- grande?, Salpingostoma*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, fig. 2
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 10851
G = *Bucanopsina?* sp. (Horný herein)
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: Text-figs 9a-c, p. 227
OML: Šárka F.; Praha – Šárka
■ L 32356 ±, holotype
G = *Sinuites hanusi* HORNÝ, 1997
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: p. 229
OML: Šárka F.; Praha – Šárka
L 32357, paratype
G = *Sinuites hanusi* HORNÝ, 1997
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: p. 229
OML: Šárka F.; Praha – Šárka
L 32358 ±, paratype
G = *Sinuites hanusi* HORNÝ, 1997
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: p. 229
OML: Šárka F.; Praha – Šárka
L 32359 ±, paratype
G = *Sinuites hanusi* HORNÝ, 1997
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: p. 229
OML: Šárka F.; Praha – Šárka
L 32360 ±, paratype
G = *Sinuites hanusi* HORNÝ, 1997
- hanusi, Sinuites*: HORNÝ, 1997
1997c Horný: specimen mentioned on p. 229
OML: Šárka F.; Praha – Šárka
L 32401
G = *Sinuites hanusi* HORNÝ, 1997
- immigrans, Palaeacmaea*: BARRANDE in PERNER, 1903
1907 Perner: Pl. 104, figs 32-34
1963a Horný: Pl. 10, fig. 7 (*Patelliconus primulus*)
OML: Šárka F.; Osek
■ L 11685, holotype by monotypy; by error designated as a paratype of *Palaeacmaea primula* by Horný 1963a
G = *Patelliconus primulus* (BARRANDE in PERNER, 1903)
- incertus, Temnodiscus*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, figs 12, 13; Text-figs 53a, b, p. 78
OUB: Letná F.; Trubská
■ L 5645, holotype by monotypy
T = *Sinuitopsis neglecta* (BARRANDE in PERNER, 1903) (Horný 1963b)
- incertus, cfr., Temnodiscus*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 42, figs 35, 36
OUB: Letná F.; Drabov (= Beroun, Děd)
L 8679
T = *Sinuitopsis neglecta* (BARRANDE in PERNER, 1903) (Horný herein)
- incertus?, Temnodiscus*: PERNER, 1903
1903 Perner: Pl. 42, fig. 37
OUB: Letná F.; Trubská
L 8680
T = *Sinuitopsis neglecta* (BARRANDE in PERNER, 1903) (Horný herein)

- incola*, *Bellerophon* (s. l.) (*Oxydiscus*?): BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, figs 9-11
1963b Horný: p. 144 (*species incerta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
■L 10854, holotype by monotypy
G = ? *Simuites* sp. (specimen damaged)
- kettneri*, *Palaeacmaea*: ŘÍHA, 1938
1938 Říha: Pl. I, figs 2a, b 1963a
1963a Horný: Pl. 9, fig. 11 (*Pygmaeoconus*? *kettneri*)
OML: Šárka F.; Osek
■L 30070, holotype by monotypy
G = *Pygmaeoconus kettneri* (ŘÍHA, 1938) (Horný herein)
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: Text-fig. 15, p. 232
OMD: Dobrotivá F.; Malé Přílepy
■L 32386, holotype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: Text-fig. 15, p. 232
OMD: Dobrotivá F.; Malé Přílepy
L 32387, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Malé Přílepy
L 32388, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32389, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32390, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32391, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32392, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32393, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32394, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32395, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kloučeki*, *Cymbularia*: HORNÝ, 1997
1997c Horný: p. 232
OMD: Dobrotivá F.; Praha – Šárka, a field at the villa
L 32396, paratype
G = *Cymbularia kloučeki* HORNÝ, 1997
- kolebabai*, *Sarkanella*: HORNÝ, 2002
2002a Horný: Text-fig. 1, in press
OUK: Králův Dvůr F.; Praha – Pankrác
■L 32751, holotype
T = *Sarkanella kolebabai* HORNÝ, 2002
- krafti*, *Pygmaeoconus*: HORNÝ, 1997
1997c Horný: Text-fig. 21a, b, p. 235
OUB: Zahořany F.; Praha – Libeň, railway cut
■L 7678, holotype
G = *Pygmaeoconus krafti* HORNÝ, 1997
- krafti*, *Pygmaeoconus*: HORNÝ, 1997
1997c Horný: p. 235
OUB: Bohdalec F.; Praha – Michle, a shunting yard
L 5910, paratype
G = *Pygmaeoconus krafti* HORNÝ, 1997
- krafti*, *Pygmaeoconus*: HORNÝ, 1997
1997c Horný: p. 235
OUB: Zahořany F.; Praha – Nový Hloubětín
L 7679 ±, paratype
G = *Pygmaeoconus krafti* HORNÝ, 1997
- krafti*, *Pygmaeoconus*: HORNÝ, 1997
1997c Horný: p. 235
OUB: Zahořany F.; Praha – between Dubeč and Horní Počernice
L 31988, paratype
G = *Pygmaeoconus krafti* HORNÝ, 1997
- krafti*, *Pygmaeoconus*: HORNÝ, 1997
1997c Horný: p. 235
OUB: Zahořany F.; Loděnice, N of the Kněží hora Hill
L 31989 ±, paratype
G = *Pygmaeoconus krafti* HORNÝ, 1997
- latiuscula*, *Palaeacmaea*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 5, figs 18, 19
1963a Horný: Pl. 18, fig. 6 (*species dubia*)
OML: Šárka F.; Osek
■L 8386, holotype by monotypy
G = *Pygmaeoconus? latiusculus* (BARRANDE in PERNER, 1903)
- mergli*, *Peelerophon*: (FRÝDA, 1988)
1997c Horný: Text-figs 5a-c, p. 227
OLA: Klabava F.; Kleštěnice near Komárov
L 31997
T = *Peelerophon mergli* (FRÝDA, 1988)
- mitra*, *Archinacella*: PERNER, 1903
1903 Perner: Pl. I, figs 38, 39
1963b Horný: Pl. 18, figs 4, 5 (? *Archinacellina modesta*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
■L 5882, holotype by monotypy
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903) (Horný herein)

- modesta, Archinacella:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 1, figs 25, 26
1963a Horný: Pl. 6, figs 10, 11 (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5862, paralectotype
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- modesta, Archinacella:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 1, figs 27, 28
1963a Horný: Pl. 6, fig. 9 (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5872, paralectotype
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- modesta, Archinacella:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 1, figs 42, 43
1963a Horný: Pl. 8, fig. 3 (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 5865, paralectotype
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- modesta, Archinacella:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 1, figs 44, 45
1963a Horný: Pl. 8, figs 1, 2 (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
■ L 5864, lectotype (SD Horný 1963a)
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- modesta?, Archinacella:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 1, figs 29, 30
1963a Horný: Pl. 8, fig. 4 (not 5) (? *Archinacella tarda*)
OUB: Zahořany F.; Loděnice
L 5879
G = ? *Barrandicella? tarda* (PERNER, 1903) (Horný herein)
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 85, fig. 11
1991b Horný: Pl. 10, figs 3-5 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; Praha – Libeň
L 10837, several paralectotypes
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Pl. 88, figs 28-30
OUB: Zahořany F.; Loděnice
L 10862, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Text-figs 42a-f, p. 69; Text-fig. 44a, p. 70
1963b Horný: Pl. 9, fig. 4 (*Sinuitopsis neglecta*)
1990 Horný: Pl. 1, fig. 5 (*Sinuitopsis neglecta*)
1991b Horný: Pl. 1, figs 8-10; Text-fig. 5/6, p. 87 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; Loděnice or Praha – Libeň
L 5625, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Text-fig. 43a-e, p. 70
1941 Knight: Pl. 6, figs 4a-c (*Sinuitopsis neglecta*)
1963b Horný: Pl. 6, figs 5, 6; Pl. 7, fig. 3 (*Sinuitopsis neglecta*)
1990 Horný: Pl. 1, fig. 6 (*Sinuitopsis neglecta*)
1991b Horný: Pl. 1, figs 1-7; Text-fig. 5/3, p. 87 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; Loděnice
■ L 5624, lectotype (SD Knight 1941)
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Text-figs 44b, d, p. 70
OUB: Zahořany F.; Loděnice
L 36536, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1903 Perner: Text-figs 44c, p. 70
OUB: Zahořany F.; Loděnice
L 36537, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1963b Horný: specimen mentioned on p. 78 (*Sinuitopsis neglecta*)
OML: Šárka F.; Praha – Úvaly
L 5631
T = *Sinuitopsis cf. evoluta* (BARRANDE in PERNER, 1903) (Horný herein)
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1963b Horný: specimen mentioned on p. 78 (*Sinuitopsis neglecta*)
OML: Šárka F.; Praha – Úvaly
L 5632
T = *Sinuitopsis cf. evoluta* (BARRANDE in PERNER, 1903) (Horný herein)
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 2, figs 1, 2; Pl. 9, fig. 1
OUB: Zahořany F.; Praha – Vysočany
L 28629 ±
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 2, figs 3-9; Text-fig. 11, p. 91
OUB: Zahořany F.; Praha – Libeň
L 28630
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 3, figs 1-6; Text-fig. 1, p. 83; Text-fig. 4, p. 86 (*partim*); Text-fig. 5/9, p. 87
OUB: Zahořany F.; Praha – Spořilov
L 28631
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 3, fig. 7
OUB: Zahořany F.; Praha – Jinonice
L 28632
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 4, figs 1-3; Text-fig. 5/2, p. 87; Text-fig. 9 (left), p. 89
1991 Peel: Text-figs 18d-f, p. 24 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; Loděnice or Praha – Libeň
L 28633
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 4, figs 4-6; Text-fig. 5/8, p. 87; Text-fig. 9 (right), p. 89
OUB: Zahořany F.; ? Praha – Radotín
L 28634
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis:** BARRANDE in PERNER, 1903
1991b Horný: Pl. 4, figs 7, 8; Text-fig. 5/4, p. 87
OUB: Zahořany F.; Praha – Libeň
L 28635
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903

- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 4, fig. 9; Pl. 5, figs 1-8; Text-fig. 5/5, p. 87
OUB: Zahořany F.; Praha – Spořilov
L 28636 ±
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 6, figs 1-6; Pl. 7, figs 1-9; Text-fig. 5/7, p. 87
OUB: Zahořany F.; Praha – Vysočany
L 28637 ±
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 8, fig. 1; Text-fig. 12, p. 92
OUB: Zahořany F.; Praha – Libeň
L 28638
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 9, fig. 2
OUB: Zahořany F.; Praha – Krč
L 28639
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 9, fig. 3
OUB: Zahořany F.; Praha – Libeň
L 28895
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 9, fig. 4
OUB: Zahořany F.; Praha – Libeň or Loděnice
L 28896
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 10, fig. 7
OUB: Zahořany F.; Praha – Vysočany
L 28641 ±
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 12, figs 1-3, Text-fig. 5/1, p. 87
OUB: Zahořany F.; Praha – Vysočany
L 28642
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 12, fig. 4; Text-fig. 8 (left), p. 88
OUB: Zahořany F.; Praha – Jinonice
L 28643
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 12, fig. 5
OUB: Zahořany F.; Praha – Jinonice
L 28644
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 12, fig. 6
OUB: Zahořany F.; Praha – Jinonice
L 28897
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Pl. 12, fig. 7; Text-fig. 8 (right), p. 88
OUB: Zahořany F.; Praha – Jinonice
L 28898
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: AD Text-fig. 4, p. 86
OUB: Zahořany F.; Praha – Spořilov
L 28900
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: AD Text-fig. 12, p. 92
OUB: Zahořany F.; Praha – Libeň
L 28901
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1991b Horný: Text-fig. 13, p. 93
OUB: Zahořany F.; Praha – Libeň
L 28899
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1997a Horný: Text-fig. 10 (b), p. 12
OUB: Letná F.; Řevnice, Hviždinec
L 31947
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: BARRANDE in PERNER, 1903
1997d Horný: Pl. 1, figs 1-3
OUB: Zahořany F.; Praha – Jinonice
L 31955
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta, Sinuitopsis*: PERNER, 1903
1997d Horný: Pl. 1, figs 4-6; Pl. 2, figs 1, 2; Pl. 3, figs 1-3; Pl. 4, figs 1-3
OUB: Zahořany F.; Praha – Spořilov
L 31954
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta* var. *transgrediens, Sinuitopsis*: PERNER, 1903
1903 Perner: Pl. 88, fig. 33
1963b Horný: Pl. 7, figs 4-6 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; ? Loděnice
L 5627, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta* var. *transgrediens, Sinuitopsis*: PERNER, 1903
1903 Perner: Pl. 88, figs 35-37
1963b Horný: Pl. 7, figs 7, 8 (*Sinuitopsis neglecta*)
OUB: Zahořany F.; Praha – Radotín
L 5628, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- neglecta* var. *transgrediens, Sinuitopsis*: PERNER, 1903
1903 Perner: Text-figs 45a, b, p. 71
OUB: Zahořany F.; Butovice (= Praha – Jinonice)
L 23771, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný 1963b)
- neglecta* var. *transgrediens, Sinuitopsis*: PERNER, 1903
1903 Perner: Text-figs 46a, b, p. 71
OUB: Zahořany F.; Praha – Libeň
L 10863, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný 1963b)
- neglecta* var. *transgrediens, Sinuitopsis*: PERNER, 1903
1903 Perner: Text-fig. 46c, p. 71
1963b Horný: Pl. 7, fig. 2 (*Sinuitopsis neglecta*)

OUB: Zahořany F.; Praha – Štěrboholy
■L 5626, lectotype (SD Horný herein)
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903

nitidus, Oxydiscus (Cyrtodiscus): BARRANDE in PERNER, 1903
1903 Perner: Pl. 86, figs 8-13
1963b Horný: Pl. 13, figs 3, 4 (*Gamadiscus nitidus*)
OML: Šárka F.; Osek
■L 5830, lectotype (SD Horný 1963b)
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Oxydiscus (Cyrtodiscus): BARRANDE in PERNER, 1903
1903 Perner: AD Pl. 86, fig. 8
1963b Horný: Pl. 13, fig. 3 (*Gamadiscus nitidus*)
OML: Šárka F.; Osek
L 5830, 3 paralectotypes
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Oxydiscus (Cyrtodiscus): BARRANDE in PERNER, 1903
1903 Perner: AD Pl. 86, fig. 8
OML: Šárka F.; Osek
L 5829, several paralectotypes
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 13, fig. 5
1996 Horný and Peel: Pl. 7, fig. 7 (*Gamadiscus nitidus*)
OML: Šárka F.; Osek
L 5831
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 13, fig. 6
1996 Horný and Peel: Pl. 7, fig. 8 (*Gamadiscus nitidus*)
OML: Šárka F.; Osek
L 5832
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 13, fig. 7
OML: Šárka F.; Osek
L 5833
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1963b Horný: Pl. 13, fig. 8
OML: Šárka F.; Osek
L 5834
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1996b Horný: Text-figs 1a, b, p. 245; Text-fig. 4a, p. 247
OML: Šárka F.; Osek
L 31754
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Gamadiscus: (BARRANDE in PERNER, 1903)
1996b Horný: Text-fig. 4c, p. 247

OML: Šárka F.; Osek
L 31755
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Cyrtodiscus: (PERNER, 1903)
1998 Horný: Text-figs 4a-d, p. 213
OML: Šárka F.; Osek
L 32549
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Cyrtodiscus: (PERNER, 1903)
1998 Horný: Text-figs 5a, p. 214; Text-fig. 7f, p. 216
OML: Šárka F.; Kařez – Pětídomky
L 32546
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Cyrtodiscus: (PERNER, 1903)
1998 Horný: Text-figs 5d, p. 214; Text-fig. 7c, p. 216
OML: Šárka F.; Kařez – Pětídomky
L 32548
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nitidus, Cyrtodiscus: (PERNER, 1903)
1998 Horný: Text-figs 5g, p. 214; Text-fig. 7g, p. 216
OML: Šárka F.; Kařez – Pětídomky
L 32547
T = *Cyrtodiscus nitidus* (BARRANDE in PERNER, 1903) (Horný 1997g)

nodosa, Sinuitopsis: PERNER, 1903
1903 Perner: Pl. 88, figs 31, 32
OUB: Zahořany F.; Loděnice
L 5636, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný herein)

nodosa, Sinuitopsis: PERNER, 1903
1903 Perner: Text-figs 48a-c, p. 72
1963b Horný: Pl. 7, fig. 1 (*Sinuitopsis nodosa*)
OUB: Zahořany F.; Loděnice
■L 5633, lectotype (SD Horný 1963b)
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný herein)

nodosa, Sinuitopsis: PERNER, 1903
1903 Perner: Text-fig. 48d, p. 72
OUB: Zahořany F.; Loděnice
L 23776, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný herein)

nodosa, Sinuitopsis: PERNER, 1903
1903 Perner: Text-figs 49a, b, p. 73
1963b Horný: specimen mentioned on p. 79 (*Sinuitopsis nodosa*)
OUB: Zahořany F.; Loděnice
L 5634, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný herein)

nodosa, Sinuitopsis: PERNER, 1903
1903 Perner: AD Text-figs 49a, b, p. 73
1963b Horný: specimen mentioned on p. 79 (*Sinuitopsis nodosa*)
OUB: Zahořany F.; Loděnice
L 5635, paralectotype
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903 (Horný herein)

- novaki, Sarkanella*: HORNÝ et VONKA, 2002
2002 Horný et Vonka: Pl. 1, figs 1-3
OUB: Bohdalec F.; Praha – Radotín
■L 32406, holotype
T = *Sarkanella novaki* HORNÝ et VONKA, 2002
- novaki, Sarkanella*: HORNÝ et VONKA, 2002
2002 Horný et Vonka: Pl. 1, fig. 4
OUB: Bohdalec F.; Praha – Radotín
L 32750, paratype
T = *Sarkanella novaki* HORNÝ et VONKA, 2002
- ordovicina, Palaeoscurria*: HORNÝ, 1963
1963a Horný: Pl. 17, figs 7-9
OMD: Dobrotivá F.; Malé Přílepy
■L 5857, holotype
G = *Micropileus? ordovicinus* (HORNÝ, 1963) (Horný herein)
- ovata, Archinacella*: BARRANDE in PERNER, 1903
1963a Horný: Pl. 4, fig. 4
2000b Horný: Pl. 1, fig. 3 (*Barrandicella ovata* + *Barrandicella holubi*)
OML: Šárka F.; Osek
L 5875, paralectotypes of *B. ovata* + L 32745, a paratype of *B. holubi*
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Peel and Horný 1999)
G = *Barrandicella holubi* HORNÝ, 2000
- ovata, Archinacella*: BARRANDE in PERNER, 1903
1963a Horný: Pl. 5, figs 9, 10
2000b Horný: Pl. 1, figs 8, 9; Pl. 2, fig. 1 (*Barrandicella holubi*)
OML: Šárka F.; Osek
■L 5896, holotype of *Barrandicella holubi*
G = *Barrandicella holubi* HORNÝ, 2000
- ovata* var. *complanata, Archinacella*: PERNER, 1903
1903 Perner: Text-figs 5a, b, p. 33
1963a Horný: Pl. 6, figs 3-5 (*Archinacella ovata*)
OML: Šárka F.; Osek
■L 16299, lectotype (SD Horný herein)
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Horný herein)
- ovata* var. *complanata, Archinacella*: PERNER, 1903
1903 Perner: AD Text-figs 5a, b, p. 33
1963a Horný: Pl. 4, fig. 5 (*Archinacella ovata*)
OML: Šárka F.; Osek
L 16300, paralectotype
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Horný herein)
- ovata* var. *elevata, Archinacella*: PERNER, 1903
1903 Perner: p. 33
1907 Perner: Pl. 104, figs 30, 31 (*Archinacella ovata* var. *elevata*)
1963a Horný: pp. 26, 28 (*Archinacella? ovata elevata*)
2000a Horný: Text-figs 9a, b, p. 150 (*Barrandicellopsis elevata*)
OML: Šárka F.; Osek
■L 5722, holotype by monotypy
G = *Barrandicellopsis elevata* (PERNER, 1903) (Horný 2000a)
- ovata* var. *rostrata, Archinacella*: PERNER, 1903
1903 Perner: Pl. 2, figs 1, 2
1963a Horný: Pl. 4, fig. 6 (*Archinacella ovata*)
OML: Šárka F.; Osek
- L 31751, paralectotype
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Horný 2000a)
- ovata* var. *rostrata, Archinacella*: PERNER, 1903
1903 Perner: Text-figs 4a, b, p. 33
1963a Horný: Pl. 6, figs 6-8 (*Archinacella ovata*)
2000a Horný: Text-fig. 3, p. 147 (*Barrandicellopsis elevata*)
OML: Šárka F.; Osek
■L 16298, lectotype (SD Horný 2000)
G = *Barrandicellopsis elevata* (PERNER, 1903)
- ovata* var. *subglobosa, Archinacella*: BARRANDE in PERNER, 1903
1903 Perner: Text-figs 6a, b, p. 34
1963a Horný: Pl. 7, fig. 8 (*Archinacella ovata*)
OML: Šárka F.; Osek
■L 5863, holotype by monotypy
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Horný herein)
- ovata* var. *tarda, Archinacella*: PERNER, 1903
1903 Perner: Pl. 43, figs 22, 23
1963a Horný: Pl. 6, fig. 2 (*Archinacella tarda*)
OUB: Zahořany F.; Vráž
L 5901, paralectotype
G = *Barrandicella? tarda* (PERNER, 1903) (Horný herein)
- ovata* var. *tarda, Archinacella*: PERNER, 1903
1903 Perner: Text-figs 7a, b, p. 34
1963a Horný: Pl. 6, fig. 1; Pl. 7, figs. 6, 7 (*Archinacella tarda*)
OUB: Zahořany F.; Loděnice
■L 5886, lectotype (SD Horný 1963a)
G = *Barrandicella? tarda* (PERNER, 1903) (Horný herein)
- ovata* var. *typica* [= *ovata*], *Archinacella*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 2, figs 3, 4
OML: Šárka F.; Osek
L 5887, paralectotype
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Peel and Horný 1999)
- ovata* var. *typica* [= *ovata*], *Archinacella*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 2, figs 5, 6
1963a Horný: Pl. 4, fig. 6 (*Archinacella ovata*)
OML: Šárka F.; Osek
L 5866, paralectotype
G = *Barrandicella? ovata* (BARRANDE in PERNER, 1903) (Peel and Horný 1999)
- ovata* var. *typica* [= *ovata*], *Archinacella*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 2, figs 7, 8; ? Text-figs 3a, b + 3bis
1963a Horný: Pl. 5, figs 3-5 (*Archinacella ovata*)
OML: Šárka F.; Osek
■L 5861, lectotype (SD Horný 1963a)
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Peel and Horný 1999)
- ovata* var. *typica* [= *ovata*], *Archinacella*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 2, figs 9, 10
1963a Horný: Pl. 5, figs 6-8 (*Archinacella ovata*)
OML: Šárka F.; Osek
L 8381, paralectotype
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903) (Peel and Horný 1999)

- ovata*, *Barrandicella*: (BARRANDE in PERNER, 1903)
1999 Peel and Horný: Text-figs 6a-c, p. 106
OML: Šárka F.; Osek
L 31757
G = *Barrandicella ovata* (BARRANDE in PERNER, 1903)
- peeli*, *Tritonophon*: HORNÝ, 1997
1997f Horný: Text-figs 4a-c, p. 335
OUB: Letná F.; Praha – Vysočany
L 32402, paratype
G = *Tritonophon peeli* HORNÝ, 1997
- perneri*, *Selesinuites*: HORNÝ, 1997
1997c Horný: Text-figs 12a, b, p. 230
1997g Horný: Pl. 7, fig. 12
OML: Šárka F.; Osek
■L 32362, holotype
G = *Selesinuites perneri* HORNÝ, 1997
- plasi*, *Sinuitopsina*: HORNÝ, 1997
1997c Horný: Text-figs 3a-c, p. 226
OMD: Dobrotivá F.; Praha – Šárka
■L 31978, holotype
T = *Sinuitopsina plasi*: HORNÝ, 1997
- platynotus*, *Temnodiscus*: PERNER, 1903
1903 Perner: Text-figs 51a-c, p. 76
1963b Horný: p. 77 (*Sinuitopsis neglecta*)
OUB: Letná F.; Drabov (= Beroun, Děd)
■L 5639, holotype by monotypy
T = *Sinuitopsis neglecta* BARRANDE in PERNER, 1903
- podexpulicis*, *Marekicella*: HORNÝ, 1997
1997c Horný: Textfigs 22a-c, p. 236
OUB: Zahofany F.; Staňkovka near Praha – Radotín
■L 31974 ±, holotype
G = *Marekicella podexpulicis* HORNÝ, 1997
- podexpulicis*, *Marekicella*: HORNÝ, 1997
1997c Horný: p. 236
OUB: Bohdalec F.; Praha – Vršovice
L 31975 ±, paratype
G = *Marekicella podexpulicis* HORNÝ, 1997
- porrecta*, *Palaeacmaea*?: BARRANDE in PERNER, 1903
1903 Perner: Pl. 5, figs 4-6
OML: Šárka F.; Osek
L 8269, paralectotype
G = *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903)
(Horný 1963a)
- porrecta*, *Palaeacmaea*?: BARRANDE in PERNER, 1903
1903 Perner: p. 29
1911 Perner: Pl. 247, figs 1-3 (*Palaeacmaea*? *porrecta*)
1961 Horný: Pl. 2, fig. 2 (*Pygmaeoconus porrectus*)
1963a Horný: Pl. 9, figs 3-5; Text-fig. 12, p. 38 (*Pygmaeoconus porrectus*)
OML: Šárka F.; Osek
■L 29379, lectotype (SD Horný 1961 as the holotype)
G = *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903)
- porrectus*, *Pygmaeoconus*: (BARRANDE in PERNER, 1903)
1961 Horný: Pl. 2, fig. 1
1963a Horný: Pl. 9, fig. 1; Text-fig. 11, p. 38 (*Pygmaeoconus porrectus*)
OML: Šárka F.; Osek
L 5877, by error designated as a paratype by Horný 1961
G = *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903)
- porrectus*, *Pygmaeoconus*: (BARRANDE in PERNER, 1903)
1963a Horný: Pl. 9, fig. 2
OML: Šárka F.; Osek
L 5858
G = *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903)
- porrectus*, *Pygmaeoconus*: (BARRANDE in PERNER, 1903)
2002b Horný: Pl. 4, fig. 1
OML: Šárka F.; Osek
L 31982
G = *Pygmaeoconus porrectus* (BARRANDE in PERNER, 1903)
- pragensis*, *Carcassonnella*: HORNÝ, 1997
1997c Horný: Text-fig. 6a, p. 227
OML: Šárka F.; Praha – Šárka
■L 32372, holotype
T = *Carcassonnella pragensis* HORNÝ, 1997
- pragensis*, *Carcassonnella*: HORNÝ, 1997
1997c Horný: Text-fig. 6b, p. 227
OML: Šárka F.; Praha – Šárka
L 32373 ±, paratype
T = *Carcassonnella pragensis* HORNÝ, 1997
- pragensis*, *Carcassonnella*: HORNÝ, 1997
1997c Horný: Text-fig. 6c, d, p. 227
OML: Šárka F.; Praha – Šárka
L 32374, paratype
T = *Carcassonnella pragensis* HORNÝ, 1997
- pragensis*, *Carcassonnella*: HORNÝ, 1997
1997c Horný: p. 227
OML: Šárka F.; Praha – Šárka
L 32375, paratype
T = *Carcassonnella pragensis* HORNÝ, 1997
- pragensis*, *Carcassonnella*: HORNÝ, 1997
1997c Horný: p. 227
OML: Šárka F.; Praha – Šárka
L 32376, paratype
T = *Carcassonnella pragensis* HORNÝ, 1997
- prantli*, *Pentalina*: HORNÝ, 1961
1961 Horný: Pl. 2, fig. 3
1963a Horný: Pl. 3, figs 1-5; Text-fig. 1, p. 15
OMD: Dobrotivá F.; Malé Přílepy
■L 5403, holotype
T *Pentalina prantli* HORNÝ, 1961
- primula*, *Palaeacmaea*: BARRANDE in PERNER, 1903
1903 Perner: Pl. 48, figs 4-6
1961 Horný: *Patelliconus primulus*
1963a Horný: Pl. 10, figs 4-6; Text-fig. 10, p. 36 (*Patelliconus primulus*)
OML: Šárka F.; Osek
■L 8425, holotype by monotypy
G = *Patelliconus primulus* (BARRANDE in PERNER, 1903)
- primulus*, *Patelliconus*: (BARRANDE in PERNER, 1903)
1963a Horný: Pl. 10, figs 1-3; Text-fig. 9, p. 36
OML: Šárka F.; Osek
L 5891
G = *Patelliconus primulus* (BARRANDE in PERNER, 1903)
- procer*, *Oxydiscus* (*Cyrtodiscus*): BARRANDE in PERNER, 1903
1903 Perner: Pl. 88, figs 22-24; Text-figs 50a, b, p. 74
1941 Knight: Pl. 9, fig. 4a (*Cyrtodiscus procer*)
1963b Horný: Pl. 14, figs 1, 2 (*Cyrtodiscus procer*)
OUB: Letná F.; Trubská
■L 5679, lectotype (SD Knight 1941)
T = *Cyrtodiscus procer* (BARRANDE in PERNER, 1903)

- procer, Oxydiscus (Cyrtodiscus)*: BARRANDE in PERNER, 1903
 1903 Perner: AD Pl. 88, figs 22-24; ADText-figs 50a, b, p. 74
 1941 Knight: Pl. 9, fig. 4b (*Cyrtodiscus procer*)
 1963b Horný: Pl. 14, fig. 3 (*Cyrtodiscus procer*)
 OUB: Letná F.; Trubská
 L 5680, paralectotype
 T = *Cyrtodiscus procer* (BARRANDE in PERNER, 1903)
- procer, Cyrtodiscus*: (BARRANDE in PERNER, 1903)
 1997c Horný: Text-fig. 1a, p. 224
 OUB: Letná F.; Praha – Vysočany
 L 31990
 T = *Cyrtodiscus procer* (BARRANDE in PERNER, 1903)
- procer, Cyrtodiscus*: (BARRANDE in PERNER, 1903)
 1997c Horný: Text-figs 1b, c, p. 224
 OUB: Letná F.; Praha – Vysočany
 L 31991
 T = *Cyrtodiscus procer* (BARRANDE in PERNER, 1903)
- proxima, Archinacella*: PERNER, 1903
 1903 Perner: Pl. 1, figs 46, 47; Text-figs 9a, b, p. 36
 1963a Horný: Pl. 8, figs 6-8 (*Archinacellina modesta*)
 OUK: Králův Dvůr F.; Lejškov (= Chodouň)
 ■L 5867, holotype by monotypy; by error designated as a paratype
 of *Archinacella modesta* by Horný 1963a
 G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- pusillus, Temnodiscus*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 86, fig. 18-21
 1963b Horný: Pl. 30, fig. 2 [*Tropidodiscus (Peruniscus) pusillus*]
 OML: Šárka F.; Osek
 ■L 5837, lectotype (SD Horný 1963b) + several paralectotypes
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Temnodiscus*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 86, figs 19, 20
 1963b Horný: Pl. 30, fig. 3 [*Tropidodiscus (Peruniscus) pusillus*]
 OML: Šárka F.; Osek
 ■L 5837, lectotype (SD Horný 1963b)
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Temnodiscus*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 86, fig. 21
 OML: Šárka F.; Osek
 L 5837, paralectotype
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Temnodiscus*: BARRANDE in PERNER, 1903
 1903 Perner: AD Pl. 86, figs 19-21
 OML: Šárka F.; Osek
 L 5841, paralectotype
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Temnodiscus*: BARRANDE in PERNER, 1903
 1903 Perner: AD Pl. 86, figs 19-21
 OML: Šárka F.; Osek
 L 5842, paralectotype
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Tropidodiscus (Peruniscus)*: (BARRANDE in PERNER, 1903)
 1963b Horný: Pl. 30, fig. 1
 OML: Šárka F.; Osek
- L 5840
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Tropidodiscus (Peruniscus)*: (BARRANDE in PERNER, 1903)
 1963b Horný: Pl. 30, figs 4-7
 OML: Šárka F.; Kařez – Pětídomky
 L 5838
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Tropidodiscus (Peruniscus)*: (BARRANDE in PERNER, 1903)
 1963b Horný: Pl. 31, fig. 1
 OML: Šárka F.; Praha – Šárka
 L 5839
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903) (Horný
 1997g)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: Text-figs 2d, e, p. 127
 OML: Šárka F.; Osek
 L 32738 (non 32638)
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: Text-fig. 3a, p. 128
 OML: Šárka F.; Praha – Šárka
 L 32737
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: Text-fig. 3b, p. 128
 OML: Šárka F.; Volduchy – Díly
 L 32740
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: Text-fig. 3c, p. 128
 OML: Šárka F.; Praha – Šárka
 L 32739
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: Text-fig. 5b, p. 129
 OMD: Dobrotivá F.; Praha – Libeň, Hercovka
 L 32741
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- pusillus, Tropidodiscus*: (BARRANDE in PERNER, 1903)
 1999a Horný: AD Text-fig. 6, p. 129
 OML: Šárka F.; Osek
 L 32736
 G = *Tropidodiscus pusillus* (BARRANDE in PERNER, 1903)
- putzkeri, Sinuitopsina*: HORNÝ, 1997
 1997c Horný: p. 223
 nomen nudum
 T = *Sinuitopsina plasi* HORNÝ, 1997
- reticulatus, Sinuites*: PERNER, 1903
 1903 Perner: Pl. 56, figs 42, 43; Text-figs 37a, b; 38a, c; 39a-c, p. 65
 1963b Horný: Pl. 4, figs 1, 2 (*Sinuites reticulatus*)
 OML: Šárka F.; Osek
 ■L 5617, lectotype (SD Horný 1963b)
 G = *Sinuites reticulatus* PERNER, 1903
- reticulatus, Sinuites*: PERNER, 1903
 1903 Perner: Pl. 86, figs 33, 34; Text-figs 40a, b, p. 66

- 1963b Horný: Pl. 4, fig. 5 (*Sinuities reticulatus*)
 OML: Šárka F.; Osek
 L 5620, paralectotype
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1903 Perner: AD Text-figs 37a, b, p. 65; AD Text-figs 38a-c, p. 65
 1963b Horný: specimen mentioned on p. 74 (*Sinuities reticulatus*)
 OML: Šárka F.; Osek
 L 5618, paralectotype
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1963b Horný: Pl. 4, fig. 3
 OML: Šárka F.; Osek
 L 5621
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1963b Horný: specimen mentioned on p. 74
 OML: Šárka F.; Osek
 L 5619
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 3, figs 7, 8
 OML: Šárka F.; Praha – Šárka, a brickyard
 L 28997 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 3, fig. 9; Text-fig. 9G, p. 90
 OML: Šárka F.; Osek
 L 28998
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 3, figs 10, 11; Text-fig. 9A, p. 90
 OML: Šárka F.; Osek
 L 28999 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 4, fig. 4; Text-fig. 6E, p. 87; Text-fig. 9I, p. 91
 OML: Šárka F.; ? Osek
 L 29005 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 4, fig. 5, Text-fig. 6D, p. 87; Text-fig. 9E, p. 90
 OML: Šárka F.; Osek
 L 29006 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 4, fig. 6; Text-fig. 9D, p. 90
 OML: Šárka F.; Osek
 L 29007 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 4, fig. 7; Text-fig. 9F, p. 90
 OML: Šárka F.; Praha – Šárka, a brickyard
- L 29008 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 5, figs 5, 6; Text-fig. 10E, p. 92
 OML: Šárka F.; Osek
 L 29009
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Pl. 5, figs 9, 10; Text-fig. 6A, p. 87; Text-fig. 10D, p. 92
 OML: Šárka F.; Osek
 L 29010
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Text-fig. 4B, p. 84
 1996a Horný: Text-fig. 1B, p. 92 (*Sinuities reticulatus*)
 OML: Šárka F.; Praha – Šárka, a brickyard
 L 29014 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Text-fig. 6F, p. 87
 OML: Šárka F.; Praha – Šárka, a brickyard
 L 29016 ±
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1992 Horný: Text-fig. 10B, p. 92
 OML: Šárka F.; Osek
 L 29017
 G = *Sinuities reticulatus* PERNER, 1903
- reticulatus, Sinuities*: PERNER, 1903
 1996a Horný: Pl. 4, fig. 2
 OML: Šárka F.; Praha – Šárka
 L 30060
 G = *Sinuities reticulatus* PERNER, 1903
- roemeri, Carinariopsis*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 85, figs 14, 15
 1963b Horný: Pl. 28, fig. 10 (*Bucanopsis roemeri*)
 1997a Horný: p. 7 (? *Bucanopsina calypso*)
 OUB: Letná F.; Trubská
 L 5746, paralectotype
 G = *Bucanopsina roemeri* (BARRANDE in PERNER, 1903) (Horný herein)
- roemeri, Carinariopsis*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 88, fig. 45; Text-figs 63a, b, p. 92
 1963b Horný: Pl. 29, figs 1, 2 (*Bucanopsis roemeri*)
 1997a Horný: p. 7 (? *Bucanopsina calypso*)
 OUB: Letná F.; Trubská
 ■ L 5744, lectotype
 G = *Bucanopsina roemeri* (BARRANDE in PERNER, 1903) (Horný herein)
- roemeri, Carinariopsis*: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 88, fig. 46; Text-figs 63c-f, p. 92; Text-fig. 64, p. 92
 1963b Horný: Pl. 29, figs 3-5 (*Bucanopsis roemeri*)
 1997a Horný: p. 7 (? *Bucanopsina calypso*)
 OUB: Letná F.; Trubská
 L 5745, paralectotype
 G = *Bucanopsina roemeri* (BARRANDE in PERNER, 1903) (Horný herein)

- sardesoni*, *Carinariopsis*: PERNER, 1903
 1903 Perner: Pl. 85, figs 17, 18; Text-figs 67a, b p. 94
 1963b Horný: Pl. 11, fig. 1 (*Grandostoma bohemicum*)
 OUB: Zahořany F.; Praha – Štěrboholy
 ■L 5653, holotype by monotypy (non paratype of *Grandostoma bohemicum*, error Horný 1963b)
 G = *Grandostoma bohemicum* (PERNER, 1903)
- sculptus*, *Bellerophon* (s. l.) (*Cymbularia*?): BARRANDE in PERNER, 1903
 1903 Perner: Pl. 87, figs 3, 4
 1963b Horný: p. 145 (*species dubia*)
 OUK: Králův Dvůr F.; Beroun – Králův Dvůr
 ■L 10853, holotype by monotypy
 G = ? *Sinuites* cf. *S. aff. bilobatus* (SOWERBY, 1839) (Horný herein)
- simaki*, *Cyrtodiscus*: HORNÝ, 1997
 1997c Horný: Textfig. 2, p. 225
 OUB: Zahořany F.; Praha – Spořilov
 ■L 31993 ±, holotype
 T = *Cyrtodiscus simaki* HORNÝ 1997
- simaki*, *Cyrtodiscus*: HORNÝ, 1997
 1997c Horný: p. 225
 OUB: Zahořany F.; Praha – Spořilov
 L 31994 ±, paratype
 T = *Cyrtodiscus simaki* HORNÝ, 1997
- simaki*, *Cyrtodiscus*: HORNÝ, 1997
 1997c Horný: p. 225
 OUB: Zahořany F.; Praha – Spořilov
 L 31995, paratype
 T = *Cyrtodiscus simaki* HORNÝ, 1997
- Sinuites* sp.
 2002 Horný and Vonka: Pl. 1, figs 5, 6
 OUB: Bohdalec F.; Praha – Radotín
 L 32752
 G = *Sinuites* sp.
- Sinuites* sp.
 2002 Horný and Vonka: Pl. 1, fig. 7
 OUB: Bohdalec F.; Praha – Radotín
 L 32753
 G = *Sinuites* sp.
- Sinuites* sp.
 2002 Horný and Vonka: Pl. 1, fig. 8
 OUB: Bohdalec F.; Praha – Radotín
 L 32754
 G = *Sinuites* sp.
- Sinuites* sp.
 2002 Horný and Vonka: Pl. 1, fig. 9
 OUB: Bohdalec F.; Praha – Radotín
 L 32755
 G = *Sinuites* sp.
- Sinuites* sp.
 2002 Horný and Vonka: a specimen mentioned in the text
 OUB: Bohdalec F.; Praha – Radotín
 L 32756
 G = *Sinuites* sp.
- Sinuites*? sp.
 1997c Horný: Text-fig. 11, p. 230
 OML/OMD: Šárka or Dobrotivá F., Praha – Šárka
 L 32001
 G = *Sinuites* sp.
- Sinuitopsis* sp.
 1997c Horný: Text-figs 4a, b, p. 226
 OMD: Dobrotivá F.; Praha – Šárka
 L 31977
 T = *Sinuitopsis* sp.
- Sinuitopsis*? sp.
 1903 Perner: Pl. 88, fig. 34
 OUK: Králův Dvůr F.; Beroun – Králův Dvůr, Kosov
 L 10864
 G = *Sinuites* sp. (Horný herein)
- Sinuitopsis*? sp.
 1991b Horný: Pl. 10, fig. 6; Pl. 11, figs 1-4; Text-fig. 5/10, p. 87;
 Text-fig. 10, p. 90
 O: stratum and locality unknown
 L 28640
 T = *Sinuitopsis* sp. (Horný herein)
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Pl. 86, figs 27-29; Text-fig. 25, p. 56; Text-figs 29a, b, p. 61
 OML: Šárka F.; Osek
 L 10843, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Pl. 86, fig. 30
 OML: Šárka F.; Osek
 L 10844, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Pl. 86, fig. 31 (non 32)
 OML: Šárka F.; Osek
 L 10850, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Pl. 86, fig. 32
 OML: Šárka F.; Osek
 L 10845, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: AD Pl. 86, fig. 32
 OML: Šárka F.; Osek
 L 10846, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: AD Pl. 86, fig. 32
 OML: Šárka F.; Osek
 L 10847, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Text-figs 28a, b, p. 61
 1963b Horný: Pl. 2, figs 1-3 (*Sinuites sowerbyi*)
 OML: Šárka F.; Osek
 ■L 5610, lectotype (SD Horný 1963b)
 G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuites*: PERNER, 1903
 1903 Perner: Text-figs 30a, b, p. 62
 OML: Šárka F.; Osek
 L 23772, paralectotype
 G = *Sinuites sowerbyi* PERNER, 1903

- sowerbyi, Sinuites*: PERNER, 1903
1903 Perner: Text-fig. 31 (left), p. 62
OML: Šárka F.; Osek
L 23773, paralectotype
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1903 Perner: Text-fig. 31 (right), p. 62
1963b Horný: Pl. 3, fig. 6 (*Sinuites sowerbyi*)
OML: Šárka F.; Osek
L 5611, paralectotype
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1903 Perner: Text-figs 35a, b, p. 63
1963b Horný: Pl. 3, fig. 2 (*Sinuites sowerbyi*)
OML: Šárka F.; Osek
L 5612, paralectotype
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1903 Perner: Text-figs 36a, b (non c), p. 63
1963b Horný: Pl. 2, fig. 4; Pl. 4, fig. 6 (*Sinuites sowerbyi*)
OML: Šárka F.; Osek
L 5616, paralectotype
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1963b Horný: Pl. 3, fig. 1
OML: Šárka F.; Osek
L 5613
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1963b Horný: Pl. 3, fig. 5
OML: Šárka F.; Praha – Šárka
L 5614
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1963b Horný: Pl. 3, fig. 7
OML: Šárka F.; Praha – Vokovice
L 5615
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 1, figs 1-3; Text-fig. 5C, p. 85
OML: Šárka F.; Praha – Šárka
L 28985 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 1, fig. 4; Text-fig. 8D, p. 88
OML: Šárka F.; Osek
L 28986
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 1, figs 5, 6; Text-fig. 5E, p. 85; Text-fig. 8B, p. 88
OML: Šárka F.; Praha – Šárka, a field
L 28987
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 1, figs 7, 8; Text-fig. 5F, p. 85; Text-fig. 8J, p. 89
OML: Šárka F.; Osek
L 28988
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, fig. 1; Text-fig. 8I, p. 89
OML: Šárka F.; Praha – Šárka, a brickyard
L 28989 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, fig. 2; Text-fig. 8K, p. 89
OML: Šárka F.; ? Osek
L 28990 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, fig. 3; Text-fig. 8C, p. 88
OML: Šárka F.; Osek
L 28991
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, fig. 4; Text-fig. 8E, p. 88
OML: Šárka F.; Praha – Šárka, a brickyard
L 28992 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, figs 8, 9
OML: Šárka F.; Praha – Šárka, a brickyard
L 28993 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 2, figs 10-13; Text-figs 12A-D
OML: Šárka F.; Praha – Šárka, a brickyard
L 28994
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 3, figs 1-4; Text-fig. 5H, p. 85; Text-fig. 8H, p. 89
OML: Šárka F.; Praha – Šárka, a brickyard
L 28995 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Pl. 3, figs 5, 6; Text-fig. 3, p. 83; Text-fig. 5G, p. 85;
Text-fig. 8L, p. 89
OML: Šárka F.; Praha – Vokovice, a brickyard
L 28996
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Text-fig. 1, p. 81
OML: Šárka F.; Praha – Šárka, a field
L 29011 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Text-fig. 2, p. 82
OML: Šárka F.; Praha – Šárka
L 29012 ±
G = *Sinuites sowerbyi* PERNER, 1903
- sowerbyi, Sinuites*: PERNER, 1903
1992 Horný: Text-fig. 4A, p. 84
1996a Horný: Text-fig. 1A, p. 92 (*Sinuites sowerbyi*)
OML: Šárka F.; Praha – Šárka, a brickyard
L 29013 ±
G = *Sinuites sowerbyi* PERNER, 1903

- sowerbyi*, *Sinuities*: PERNER, 1903
1992 Horný: Text-fig. 5A, p. 85; Text-fig. 10A, p. 92
OML: Šárka F.; Praha – Šárka
L 29015
G = *Sinuities sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuities*: PERNER, 1903
1992 Horný: Text-fig. 8A, p. 88
OML: Šárka F.; Praha – Šárka, a field
L 29019
G = *Sinuities sowerbyi* PERNER, 1903
- sowerbyi*, *Sinuities*: PERNER, 1903
1996a Horný: Pl. 8, figs 1-3
OML: Šárka F.; Volduchy
L 30061
G = *Sinuities sowerbyi* PERNER, 1903
- sowerbyi*, cf., *Sinuities*: PERNER, 1903
1992 Horný: Text-fig. 10C, p. 92
OML: Šárka F.; Osek
L 29018
G = *Sinuities* cf. *sowerbyi* PERNER, 1903
- sowerbyi* var. *crenata*, *Sinuities*: PERNER, 1903
1903 Perner: Text-figs 33a, b, p. 63
1963b Horný: p. 73 (*Sinuities sowerbyi*)
OML: Šárka F.; Osek
■L 23775, holotype by monotypy
G = *Sinuities sowerbyi* PERNER, 1903 (Horný 1963b)
- sowerbyi* var. *evoluta*, *Sinuities*: PERNER, 1903
1903 Perner: Text-figs 34a-c, p. 63
1963b Horný: Pl. 6, fig. 4 (*Sinuities neglecta*)
1997c Horný: p. 226 (*Sinuities?*)
OML: Šárka F.; Osek
■L 5629, holotype by monotypy
G = *Sinuities evoluta* (PERNER, 1903) (Horný herein)
- strangulatus*, *Bellerophon* (s. l.) (*Sinuities?*): BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, figs 12, 13
1963b Horný: specimen mentioned on p. 76 (*Strangulites strangulatus*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5647, paralectotype
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903) (Horný herein)
- strangulatus*, *Bellerophon* (s. l.) (*Sinuities?*): BARRANDE in PERNER, 1903
1903 Perner: Pl. 87, fig. 14
1963b Horný: Pl. 5, fig. 6; Pl. 6, figs 1-3 (*Strangulites strangulatus*)
1990 Horný: Pl. 2, fig. 6 [*Sinuities (Strangulites) strangulatus*]
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
■L 5646, lectotype (SD Horný 1963b)
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903) (Horný herein)
- strangulatus*, *Bellerophon* (s. l.) (*Sinuities?*): BARRANDE in PERNER, 1903
1963b Horný: Pl. 5, figs 4, 5 (*Strangulites strangulatus*)
1990 Horný: specimen mentioned on p. 115 [*Sinuities (Strangulites) strangulatus*]
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5650
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903) (Horný herein)
- strangulatus*, *Strangulites*: (BARRANDE in PERNER, 1903)
1963b Horný: specimen mentioned on p. 76
- OUK: Králův Dvůr F.; Beroun – Králův Dvůr
L 5648
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903) (Horný herein)
- strangulatus*, *Sinuities (Strangulites)*: (BARRANDE in PERNER, 1903)
1990 Horný: Pl. 1, figs 1-4; Pl. 2, figs 1-4; Text-fig 4, p. 116, Textfig. 5, p. 117
OUK: Králův Dvůr F.; Levin, Levin Hill
L 28508
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903)
- strangulatus*, *Sinuities (Strangulites)*: (BARRANDE in PERNER, 1903)
1990 Horný: Pl. 2, fig. 5
OUK: Králův Dvůr F.; Levin, Levin Hill
L 28540
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903)
- strangulatus*, *Sinuities (Strangulites)*: (BARRANDE in PERNER, 1903)
1991a Horný: Pl. 1, figs 1-4; Text-fig. 1A
OUB: Králův Dvůr F.; Levin, Levin Hill
L 28833
G = *Sinuities strangulatus* (BARRANDE in PERNER, 1903)
- sublaevis*, *Archinacella*: PERNER, 1903
1903 Perner: Pl. 1, figs 31, 32
1963a Horný: Pl. 8, fig. 5 (not 4) (*Archinacellina modesta*)
OUK: Králův Dvůr F.; Beroun – Králův Dvůr
■L 5892, holotype by monotypy
G = *Archinacellina modesta* (BARRANDE in PERNER, 1903)
- taconicum*, *Grandostoma*: MAREK, 1963
1963 Marek: Pl. 1, figs 1, 2
1963b Horný: Pl. 13, fig. 1 (*Grandostoma taconicum*)
OUK: Kosov F.; Praha – Běchovice
■L 36539, holotype
G = *Grandostoma taconicum* MAREK, 1963
- tarda*, *Barrandicella*: (PERNER, 1903)
1999 Peel and Horný: Text-figs 8a-d, p. 108
OUB: Zahořany F.; Praha – Štěrboholy
L 31965
G = *Barrandicella? tarda* (PERNER, 1903) (Horný herein)
- tarda*, *Barrandicella*: (PERNER, 1903)
1999 Peel and Horný: Text-figs 9 A-G, p. 109
OUB: Zahořany F.; Praha – Dubeč
L 31964
G = *Barrandicella? tarda* (PERNER, 1903) (Horný herein)
- Tropidodiscus* sp. A
1997c Horný: Text-fig. 18a, p. 234
OUB: Zahořany F.; Praha – Spořilov
L 32378
G = *Tropidodiscus* sp.
- Tropidodiscus* sp. B
1997c Horný: Textfig. 18b, p. 234
OUK: Králův Dvůr F.; Lejškov (= Chodouň)
L 32377
G = *Tropidodiscus* sp.
- Tryblidium* sp.: ŘÍHA, 1938
1938 Říha: Pl. 1, figs 6a, 6b (*male*)
1957 Horný: Pl. 4, fig. 4 (*Tryblidiid* sp.)
OMD: Dobrotivá F.; Praha – Vokovice

L 30074, paratype of *Pentalina prantli*
 T = *Pentalina prantli* HORNÝ, 1961 (Horný 1963a)
vokovicensis, Plectonotus?: HORNÝ, 1963
 1963b Horný: Pl. 27, figs 6, 7
 OMD: Dobrotivá F.; Praha – Šárka, field at the villa
 ■L 5835 ±, holotype
 T = *Sarkanella vokovicensis* (HORNÝ, 1963) (Horný 1997c)
vokovicensis, Plectonotus?: HORNÝ, 1963
 1963b Horný: Pl. 27, figs 8, 9
 OMD: Dobrotivá F.; Praha – Šárka, field at the villa
 L 5836, paratype
 T = *Sarkanella vokovicensis* (HORNÝ, 1963) (Horný 1997c)
vokovicensis, Sarkanella: (HORNÝ, 1997)
 1997c Horný: Text-fig. 6a, p. 227
 OMD: Dobrotivá F.; Mýto
 L 32371
 T = *Sarkanella vokovicensis* (HORNÝ, 1997)

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grande, Salpingostoma: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 85, figs 22, 23
 OUK: Králův Dvůr F.; Králův Dvůr
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 1903 Perner: Pl. 85, fig. 24
 OUK: Králův Dvůr F.; Králův Dvůr

grande, Salpingostoma: BARRANDE in PERNER, 1903
 1903 Perner: Text-figs 69 c, d, p. 98
 OUK: Králův Dvůr F., Lejškov (= Chodouň)

neglecta, Sinuitopsis: BARRANDE in PERNER, 1903
 1903 Perner: Pl. 88, figs 38-40
 OUB: Zahořany F.; ?

neglecta, Sinuitopsis: BARRANDE in PERNER, 1903
 1903 Perner: Text-fig. 26, p. 57
 OUB: Zahořany F.; Loděnice

neglecta, Sinuitopsis: BARRANDE in PERNER, 1903
 1903 Perner: Text-fig. 42g, p. 69
 OUB: Zahořany F.; ?

neglecta var. *transgrediens, Sinuitopsis*: PERNER, 1903
 1903 Perner: Text-fig. 47, p. 71
 OUB: Zahořany F.; ?

roemeri, Carinariopsis: BARRANDE in PERNER, 1903
 1903 Perner: Text-fig. 64, p. 92
 OUB: Letná F.; Trubská

sowerbyi, Sinuites: PERNER, 1903
 1903 Perner: Text-fig. 24, p. 56
 OML: Šárka F.; Osek

sowerbyi, Sinuites: PERNER, 1903
 1903 Perner: Text-fig. 32a, b, p. 62
 OML: Šárka F.; Osek

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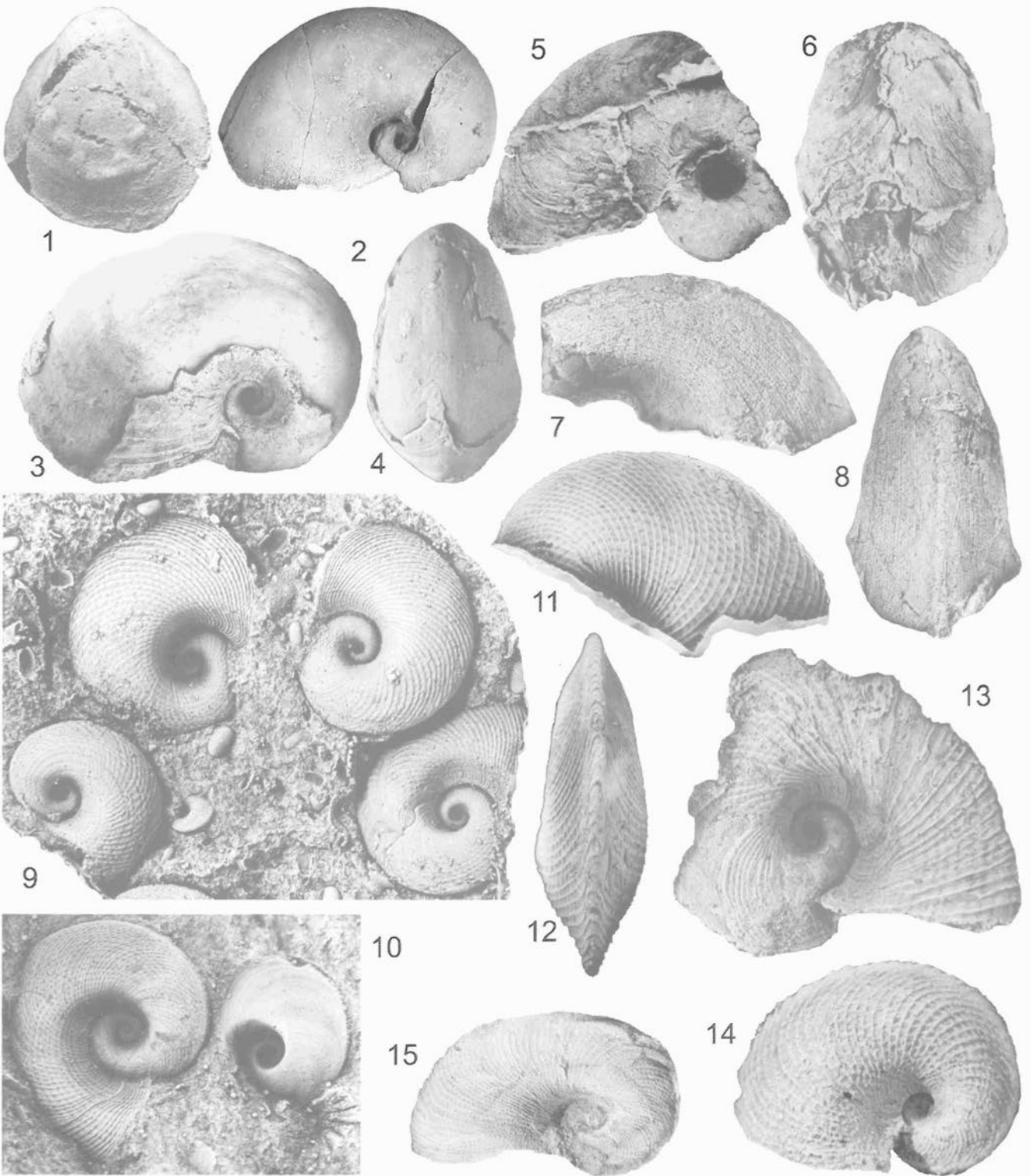
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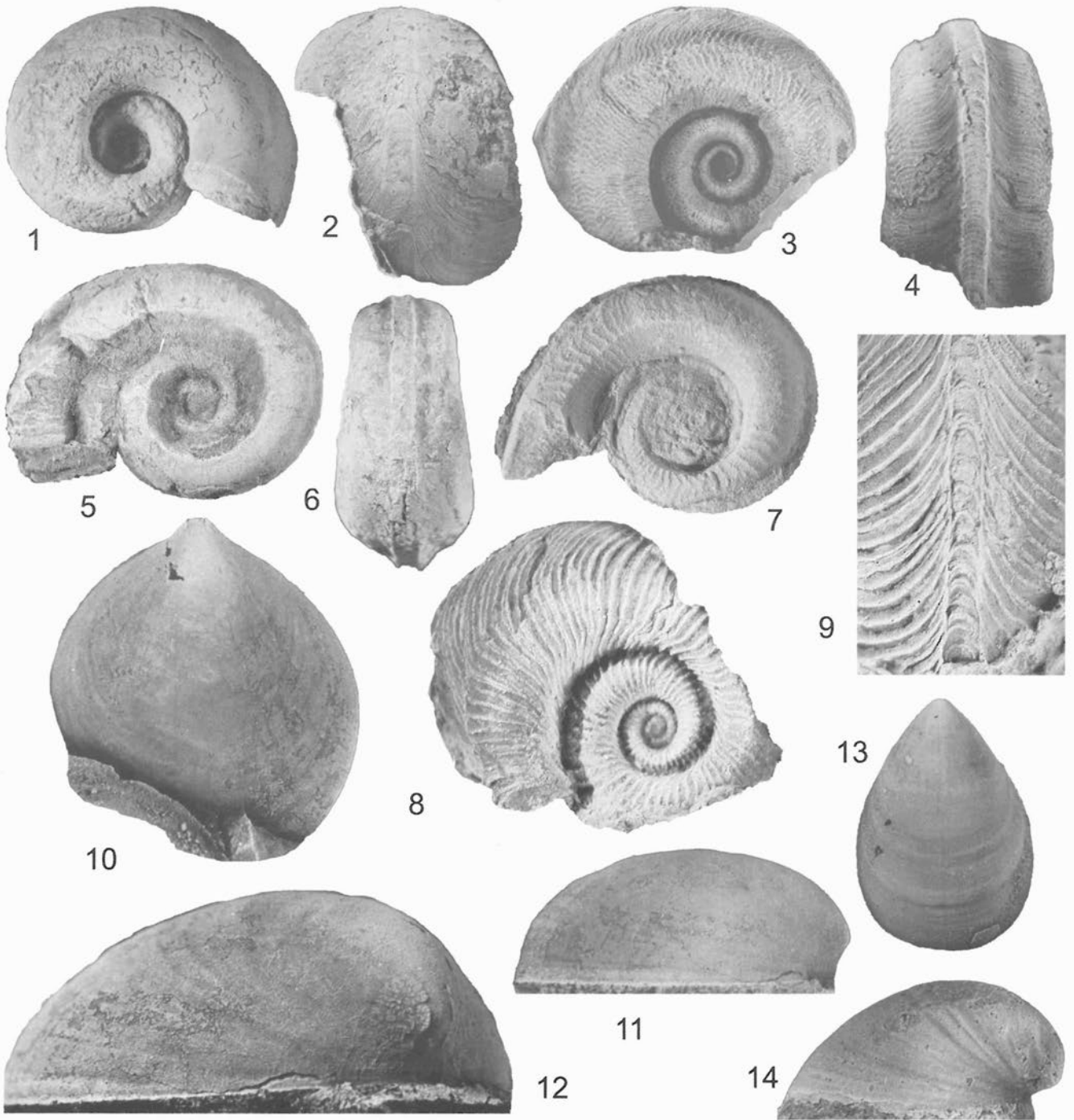
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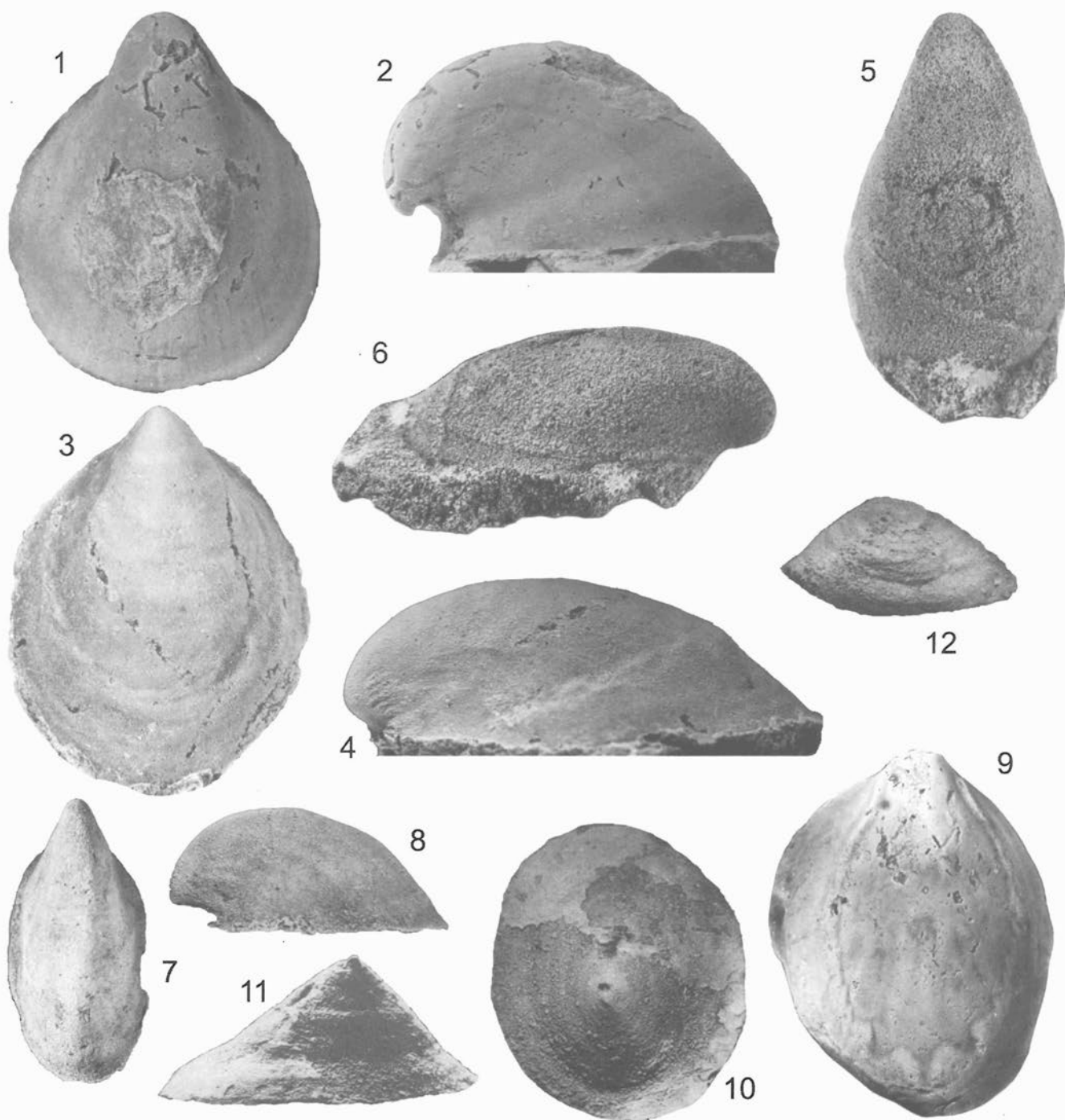
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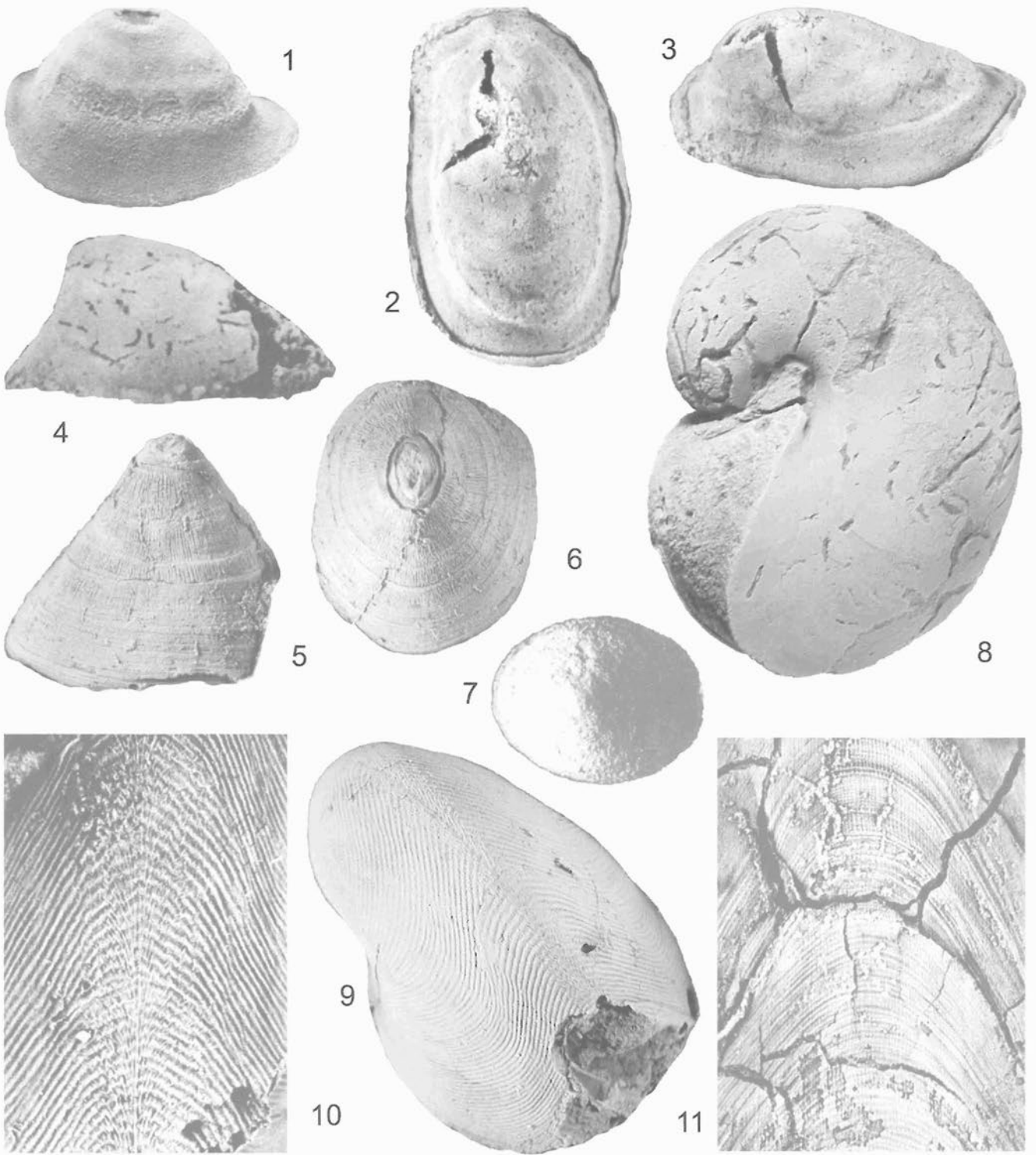
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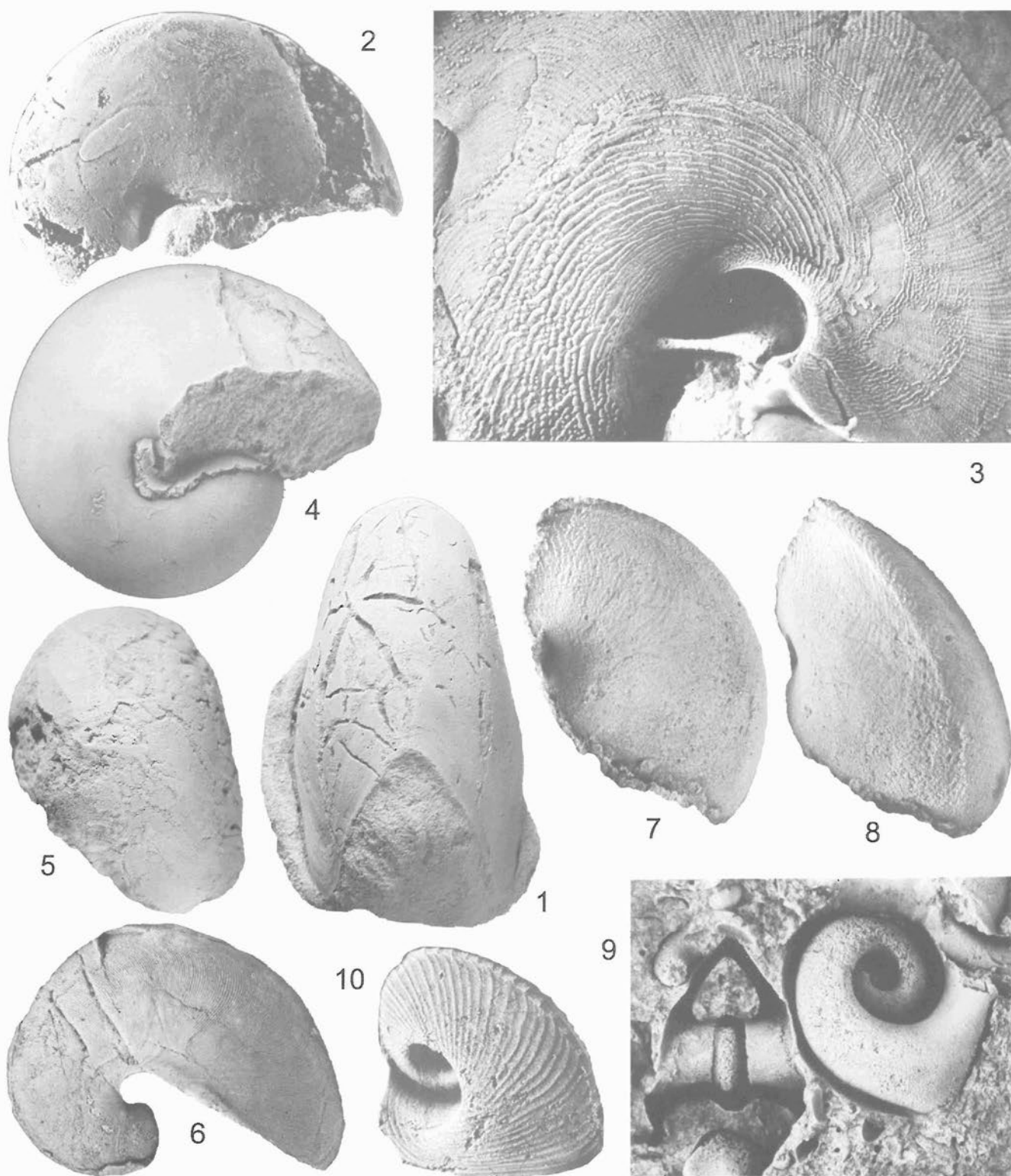
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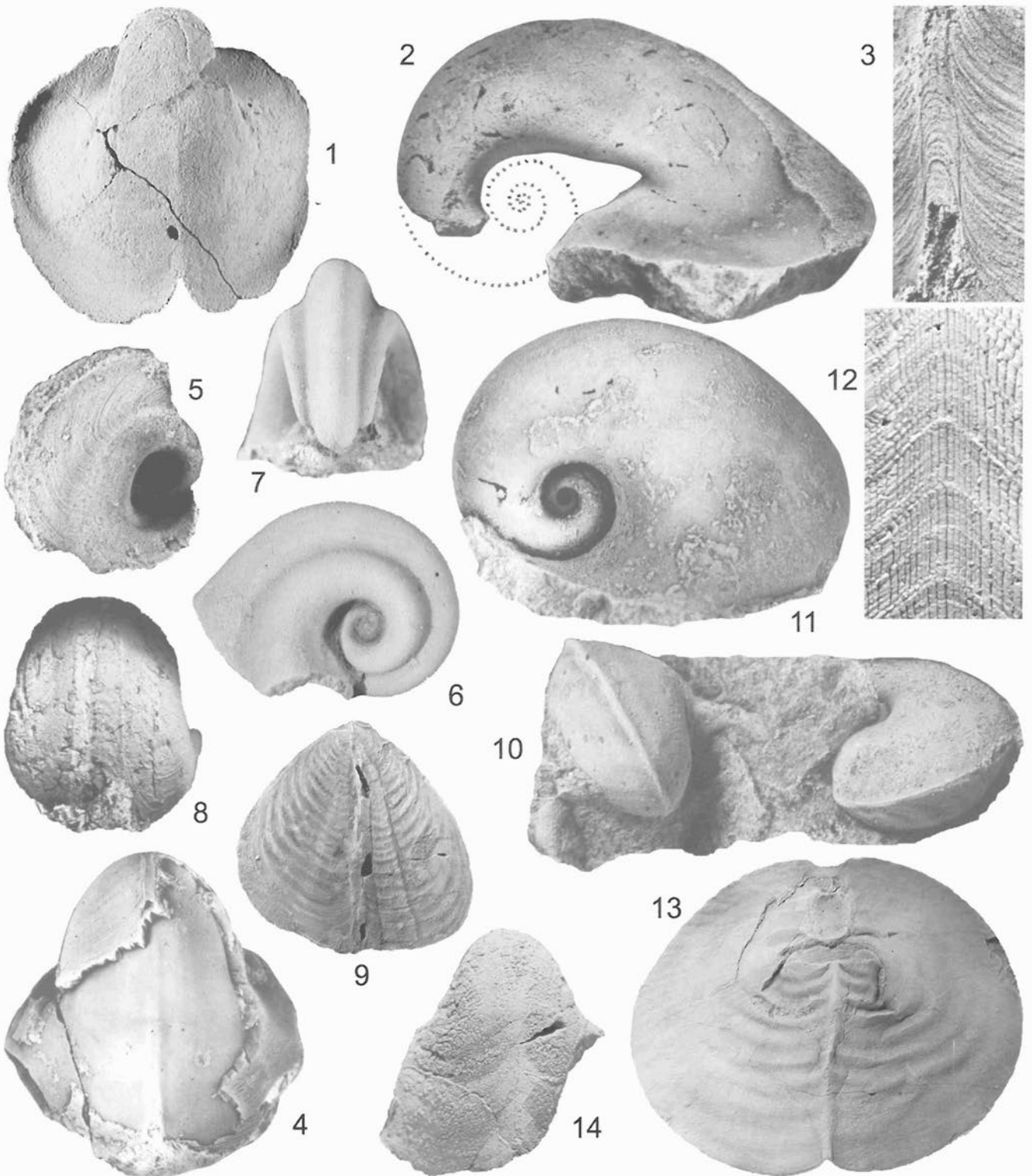
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1 – *Pygmaeoconus porrectus*, × 12; Šárka F., Osek, L 31982. 2, 3 – *P. krafti*, × 8; Zahořany F., Praha – Libeň, L 7678. 4 – *Micropileus? ordovicinus*, × 5.5; Dobrotivá F., Malé Přílepy, L 5857. 5, 6 – *Kornoutella bohémica*, × 3.5; Šárka F., Praha – Šárka, L 31985. 7 – *Pygmaeoconus? latiusculus*, × 7; Šárka F., Osek, L 8386. 8-10 – *Sinuites sowerbyi*, × 2.5 (8), × 6 (9), × 10 (10); Šárka F., Osek (8, L 5610, 9, L 5613), Praha – Vokovice (10, L 29013). 11 – *S. reticulatus*, × 8; Praha – Vokovice, L 29014.



1-3 - *Sinuites reticulatus*, $\times 2$ (1), $\times 3$ (2), $\times 9.5$ (3); Šárka F., Osek (1, L 5618, 2, MBHR 1127), Praha - Šárka (3, L 30060). 4 - *S. strangulatus*, $\times 3$; Králův Dvůr F., Levín, L 28508. 5 - *S. aff. bilobatus*, $\times 2.2$; Králův Dvůr F., Chodouň, L 5608. 6 - *S. hanusi*, $\times 3.2$; Šárka F., Praha - Šárka, L 32356. 7, 8 - *Selesinuites perneri*, $\times 9$; Šárka F., Osek, L 32362. 9 - *Tropidodiscus pusillus*, $\times 9$; Šárka F., Osek, MBHR 14833. 10 - *T. bouceki*, $\times 7$; Šárka F., Praha - Šárka, L 32381.



1 – *Bucanopsina roemeri*, $\times 2$; Letná F., Trubská, L 5744. 2-4 – *B. calypso*, $\times 4$ (2), $\times 11$ (3), $\times 3$ (4); Zahořany F., Praha – Jinonice (2, L 31181), Praha – Štěrboholy (3, L 31175), Praha – Libeň (4, L 5738). 5 – *Tritonophon peeli*, $\times 7$; Letná F., Praha – Vysočany, L 31999. 6, 7 – *Tritonophon? bohemicus*, $\times 11$; Králův Dvůr F., Chodouň, L 5622. 8 – *Eobucania? bohémica*, $\times 9$; Dobrotivá F., Praha – Šárka, L 32361. 9 – *Pterotheca consobrina*, $\times 1.9$; Králův Dvůr F., Králův Dvůr, L 5750. 10 – *Cymbularia klouceki*, $\times 5$; Dobrotivá F., Malé Přílepy, L 23286, L 32387. 11, 12 – *Grandostoma bohemicum*, $\times 4.5$ (11), $\times 10$ (12); Zahořany F., Praha – Michle (11, L 31168), Praha – Hloubětín (12, L 31170). 13 – *G. grande*, $\times 1$; Králův Dvůr F., Beroun – Králův Dvůr, L 5661. 14 – *G. taconicum*, $\times 3$; Kosov F., Praha – Běchovice, L 36539.