



Catalogue of millipedes (Diplopoda) in Miller's collection (Department of Zoology, National Museum, Prague, Czechia)

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Abstract. In the present catalogue, data on 113 specimens of the millipedes (Diplopoda) in the collection of Czech arachnologist František Miller (1902-1983) are given. The material belongs to 22 species collected during 1938-1969 mainly in the modern-day Czechia and Slovakia.

Key words. Diplopoda, myriapodological collection, František Miller, Bohemia, Moravia, Slovakia, former Yugoslavia

INTRODUCTION

František Miller (1902-1983) was a significant Czech arachnologist (Buchar 1997), whose large private collection of arachnids and other invertebrates was purchased by the National Museum, Prague, Czechia, from his widow Jarmila Millerová in 1983 and deposited in the Zoological Department of this Museum under accessory numbers 100/83 and 103/83 (Kůrka 1994, 1996, 1997, 1998, 2000, 2001, 2003, 2004a, b, Dolejš & Kůrka 2013). In this paper we present a review of millipedes (Diplopoda) found in the Miller's collection. It contains 113 specimens representing 22 species from all six Central European orders. The collection contains historical records of particular value for faunistic purposes (Kocourek 2001, 2006, 2013).

In addition to the specimens listed below, Miller's collection contains 24 dataless specimens, all of which are registered as P6d-342/2006. They include *Glomeris hexasticha* Brandt, 1833 (1♂ 1♀), *Glomeris pustulata* Latreille, 1804 (1♀), *Glomeris tetrasticha* Brandt, 1833 (1J), *Julus scandinavus* Latzel, 1884 (1♀ 1J), *Megaphyllum projectum* (Verhoeff, 1894) (1J), *Megaphyllum unilineatum* (C. L. Koch, 1838) (2♂♂ 4♀♀ 3JJ), *Polydesmus complanatus* (Linnaeus, 1761) (3♂♂ 1♀ 2JJ) and *Polydesmus denticulatus* C. L. Koch, 1847 (1♂ 1♀).

MATERIAL AND METHODS

All millipede specimens are kept in 80% ethanol. Almost all of them (with the exceptions given below) were sexed and identified by Pavel Kocourek. Nomenclature and arrangement of genera and species follow Enghoff et al. (2015) and Enghoff & Kime (2016). The data are arranged as follows: locality – (number of mapping grid square) – date of collection – number of specimens – (inventory number).

Current administrative divisioning of Europe is used. Within Czechia, historical regions Bohemia and Moravia are recognized following Kment (2009). The geographic position of localities is given by grid squares (Buchar 1982, Pruner & Míka 1996; Fig. 1). The collection contained several vials without locality labels. Where we were able to estimate the locality from their content and/or our knowledge of Miller's collecting localities, we prefixed such inferred localities with "presumably". Some vials were labelled only with Miller's code that we were not able to match with any known locality. In these cases, only the codes are given.

Photos of selected specimens were made using an Olympus SZX16 stereomicroscope equipped with an Infinity 2 camera and a motor focusing CB-ZM.

SYSTEMATIC LIST

Order: Polyxenida

Family: Polyxenidae

***Polyxenus lagurus* (Linnaeus, 1758)**

CZECHIA: **Bohemia:** Soběslav (6754), 4 January 1948, 25♀♀ (P6E 3969, Fig. 2).

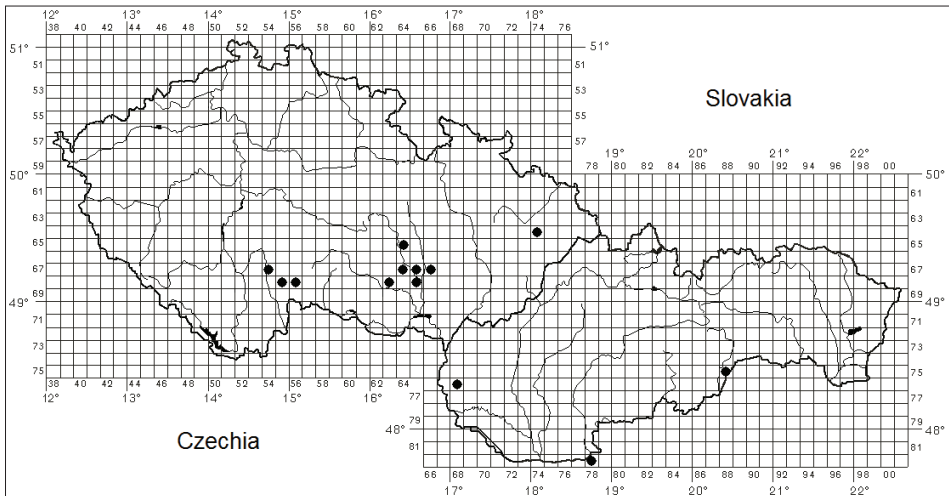


Fig. 1. Map of localities where Miller collected the millipedes in Czechia and Slovakia.



Fig. 2. *Polyxenus lagurus*, female (P6E 3969).



Fig. 3. *Glomeris pulchra*, males above, female below (P6E 3977).

Order: Glomerida

Family: Glomeridae

Glomeris hexasticha Brandt, 1833

CZECHIA: **Bohemia:** Jindřichův Hradec (6855–6856), June, 1♀ (P6E 3970); **Moravia:** Mohelno (6863), 3 July 1940, 1♀ (P6E 3971), 1♀ (P6E 3972); Říčky (6764), 27 June 1947, 2♂♂ 2♀♀ (P6E 3973).

SLOVAKIA: Domicia (7588), 10 May 1960, 1♂ 2♀♀, det. Andrej Mock (P6E 3974); Pernek (7668), 30 July 1956, 1J (P6E 3975).

UNKNOWN: locality 10-54, 1♀ (P6E 3976).

Glomeris pulchra C. L. Koch, 1847

FORMER YUGOSLAVIA: 6 June–25 July 1969, 3♂♂ 2♀♀, det. Ivan H. Tuf, rev. Oliver Macek (P6E 3977, Fig. 3).

Glomeris tetrasticha Brandt, 1833

CZECHIA: **Moravia:** Kotouč (6474), 1♀ (P6E 3978); Mohelno (6863), 3 July 1940, 1♂ 4♀♀ (P6E 3979).

UNKNOWN: locality A936, 1♀ (P6E 3980); locality 10-54, 1♀ (P6E 3981).

Trachysphaera costata (Waga, 1857)

UNKNOWN: 15 August 1938, 1♀ (P6E 3982).

Order: Polyzoniida

Family: Polyzoniidae

Polyzonium germanicum Brandt, 1831

CZECHIA: **Moravia:** Horní Čepí (6564), 10 May 1967, 1♂ (P6E 3983, Fig. 4).



Fig. 4. *Polyzonium germanicum*, male (P6E 3983).

Fig. 5. *Ochogona caroli*, female (P6E 3986).

Order: Chordeumatida

Family: Mastigophorophyllidae

***Haploporatia eremita* (Verhoeff, 1909)**

UNKNOWN: locality 10-54, 1♀ 1J (P6E 3984).

Family: Craspedosomatidae

***Craspedosoma rawlinsi* Leach, 1814**

UNKNOWN: locality 10-54, 2♂♂ 2♀♀ (P6E 3985, Figs. 6-7).

***Ochogona caroli* (Rothenbühler, 1900)**

CZECHIA: **Bohemia**: presumably South Bohemia, 2♀♀ (P6E 3986, Fig. 5).

Order: Julida

Family: Julidae

***Cylindroiulus boleti* (C. L. Koch, 1847)**

SLOVAKIA: Štúrovo (8278), 18 August 1963, 1♂ 1♀ (P6E 3987, Figs. 8-9).

***Cylindroiulus caeruleocinctus* (Wood, 1847)**

CZECHIA: **Moravia**: presumably Brno (6765–6865), 1♀ (P6E 3988).

***Julus scandinavius* Latzel, 1884**

CZECHIA: **Bohemia**: presumably South Bohemia, 1♂ 1♀ (P6E 3989); **Moravia**: presumably Brno (6765–6865), 2♀♀ 1J (P6E 3990).

***Leptoiulus proximus* (Němec, 1896)**

CZECHIA: **Bohemia**: Jindřichův Hradec (6855–6856), June, 2♂♂ 1♀ (P6E 3991).

UNKNOWN: locality 10-54, 1♂ 1♀ (P6E 3992).



Fig. 6. *Craspedosoma rawlini*, male (P6E 3985).



Fig. 7. *Craspedosoma rawlini*, female (P6E 3985).

***Leptoiulus trilobatus* (Verhoeff, 1894)**

CZECHIA: **Bohemia**: presumably South Bohemia, 1♂ (P6E 3993).

***Megaphyllum projectum* (Verhoeff, 1894)**

UNKNOWN: locality 10-54, 2♀♀ (P6E 3994).

***Megaphyllum unilineatum* (C. L. Koch, 1838)**

CZECHIA. **Bohemia**: presumably South Bohemia, 3♂♂ 3♀♀ (P6E 3995), 3♀♀ (P6E 3996); **Moravia**: presumably Brno (6765–6865), 1♀ (P6E 3997); Mohelno (6863), 15–25 [month not given] 1940, 1♀ 1J (P6E 3998), 5 September 1940, 2♂♂ 3♀♀ (P6E 3999), 3 July 1942, 1♂ (P6E 4000).

UNKNOWN: 15–17 July 1940, 1♀ 2JJ (P6E 4001).

***Rossiulus vilnensis* (Jawłowski, 1925)**

CZECHIA: **Bohemia**: Jindřichův Hradec (6855–6856), June, 1♀ (P6E 4002); presumably South Bohemia, 1♂ 1♀ (P6E 4003), 1♀ (P6E 4004), 1♀ (P6E 4005).

***Unciger foetidus* (C. L. Koch, 1838)**

CZECHIA: **Bohemia**: presumably South Bohemia, 1♀ (P6E 4006); **Moravia**: Kotouč (6474), 1♂ (P6E 4007).

***Unciger transsilvanicus* (Verhoeff, 1899)**

UNKNOWN: locality 10-54, 2♀♀ (P6E 4008).

Order: Polydesmida

Family: Polydesmidae

***Brachydesmus superus* Latzel, 1884**

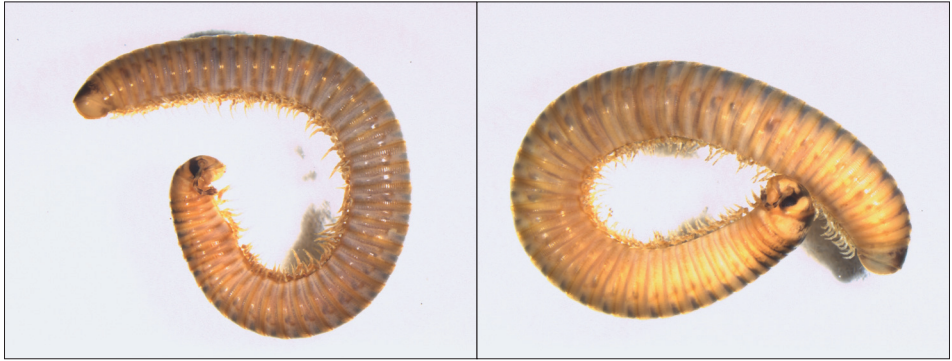


Fig. 8. *Cylindroiulus boleti*, male (P6E 3987). Fig. 9. *Cylindroiulus boleti*, female (P6E 3987).

CZECHIA: **Moravia**: Býčí skála (6766), 2♀♀ (P6E 4009).

UNKNOWN: 15 August 1938, 1♀ 1J (P6E 4010).

***Polydesmus collaris* C. L. Koch, 1847**

BOSNIA AND HERZEGOVINA: Jajce – Šipovo, 1♀, det. Ivan H. Tuf (P6E 4011).

***Polydesmus complanatus* (Linnaeus, 1761)**

SLOVAKIA: Pernek (7668), 30 July 1956, 1♂ 1♀ (P6E 4012).

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