

**European ant species (Hymenoptera: Formicidae)  
in the ant collection of the Natural History Museum of Sibiu  
(Hermannstadt/Nagyszeben), Romania II. Subfamily Formicinae**

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**Abstract** – The ant material of the Natural History Museum of Sibiu (Hermannstadt/Nagyszeben) is one of the most important collections in Romania. Although it does not contain a large number of specimens, its value is appreciated on the basis of its age (it was founded in the 19th century), and on that of its valuable content: a part of the material comes from PAUL (PÁL) RÖSZLER who described a number of ant taxa. The present paper includes the list of specimens belonging to the subfamily Formicinae. Altogether 41 Formicinae species were identified. The material was collected mainly in Romania, but there are specimens collected in Hungary as well as in other European countries. *Lasius bicornis* (FÖRSTER, 1850) is mentioned for the first time in the Romanian ant fauna.

**Key words** – ants, Romania, faunistics, *Lasius bicornis*.

## INTRODUCTION

Every ecological research as well as nature protection activity rely on faunistic knowledge. Without the accurate information regarding the presence or absence of different species, the conclusions of any such research can be ambiguous. Although ants are mostly interesting for behavioural ecological studies, fortunately there has been a great progress in their taxonomy and faunistics in Europe in the last decade (SEIFERT 1996, GALLÉ *et al.* 1998, CZECHOWSKI *et al.* 2002). This progress, however, has reached Romania only in the past few years (MARKÓ 1998, 1999, Csősz *et al.* 2001, MARKÓ & Csősz 2001, 2002). The last check-list of the Romanian ants contained only 77 species (PARASCHIVESCU 1978), whereas currently there are more than 110 ant species known in Romania (MARKÓ *et al.* in prep.).

In such conditions the revision of museum collections has assumed great importance. Unfortunately, there are few ant collections in Romania, and these were

published only partly or inadequately. One of the most prominent collections is the material of the Natural History Museum of Sibiu, which contains a part of PAUL (PÁL) RÖSZLER's type material, e.g. *Tetramorium hungaricum* RÖSZLER, 1935 (Csősz & MARKÓ 2004). The material of the collection was published by PARASCHIVESCU (1975), but as several data were omitted (e.g. the type material of *T. hungaricum* was not even mentioned), revision of the material was necessary. The first part of the collection containing the Ponerinae, Myrmicinae and Dolichoderinae subfamily was published by MARKÓ & Csősz (2002) presenting several new species for the Romanian myrmecofauna, in this second and final part the Formicinae material is presented.

## MATERIALS AND METHODS

The ant material of the Natural History Museum of Sibiu is made up of two separate collections: that of the former Transylvanian Natural History Society of Sibiu (Siebenbürgisches Verein für Naturwissenschaften zu Hermannstadt) mostly arranged by ARNOLD MÜLLER and containing PAUL RÖSZLER's types, and Dr. EUGEN WORRELL's personal collection, which was acquired by the Museum in 1957 (PARASCHIVESCU 1975). In this article data on 797 individuals are presented mainly from the Formicinae subfamily, but some specimens from other subfamilies are also included, as these were accidentally mixed with the Formicinae material in the collection. Altogether 41 Formicinae species were identified and one species from the Dolichoderinae, and two species from the Myrmicinae subfamilies. The identification of the species was based on currently available keys (KUTTER 1977, COLLINGWOOD 1979, AGOSTI & COLLINGWOOD 1987, SEIFERT 1988, 1992, 1996, PETROV & COLLINGWOOD 1993, CZECHOWSKI *et al.* 2002). The nomenclature followed the recently most up-to-date work (BOLTON 2003). Every label belonging to the specimens is published. In the case of Romanian localities along the official Romanian name the Hungarian name (if existing) is also given in brackets in italics, as well as the name of the administrative district (county).

The abbreviations are as follows: w – worker, q – queen, m – male, coll. NVZ – collection of the Transylvanian Natural History Society of Sibiu (Siebenbürgisches Verein für Naturwissenschaften zu Hermannstadt), coll. WORREL – DR. EUGEN WORREL's collection, RO – Romania.

## LIST OF SPECIES

### Subfamily Formicinae LEPELETIER, 1836

*Prenolepis nitens* (MAYR, 1852) – **4** w, Alterberg, Cornus sang. [Viile Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.10.1920, leg. A. MÜLLER, coll. NVZ. **4** w, Alterberg [Viile Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.10.1920, leg. A. MÜLLER, coll. NVZ. **4** w, Grossauer Eichenwald [Cristian/Keresztenyisziget, Sibiu/Szeben county, RO], 14.05.1931, leg. A. MÜLLER, coll. NVZ. **1** q, Hermannstadt, Alterberg [Viile Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 01.05.1921, leg. A. MÜLLER, coll. NVZ. **6** w, Hongrie, Nagytétény [Hungary], no. 48, 12.05.1935, leg. RÖSZLER [*Prenolepis imparis* var. *nitens* MAYR det. RÖSZLER], coll. NVZ. **3** w,

Nagytétény [Hungary], 04.07.1934, leg. RÖSZLER [*Prenolepis imparis* var. *nitens*, det. ANONYMOUS], coll. NVZ. **2** w, Nagytétény [Hungary], 07.07.1934, leg. RÖSZLER, coll. NVZ. **3** w, Nagytétény [Hungary], 21.06.1934, leg. RÖSZLER, coll. NVZ. **2** w, **1** q, **1** m, Nagytétény [Hungary], no. 162, 22.03.1936, leg. RÖSZLER [*Prenolepis imparis* var. *nitens* MAYR det. RÖSZLER], coll. NVZ. **3** w, **3** m, **3** q, Hungaria, Nagytétény [Hungary], no. 171, leg. RÖSZLER [*Prenolepis imparis* var. *nitens* MAYR det. ANONYMOUS], coll. NVZ.

*Plagiolepis pygmaea* (LATREILLE, 1798) – **1** w, Nagyenyed [Aiud/Nagyenyed, Alba/Fehér county, RO], 27.06.1906, leg. ANONYMOUS, coll. NVZ. **1** m, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 20.08.1946, leg. WORELL, coll. WORELL.

*Plagiolepis vindobonensis* LOMNICKI, 1925 – **4** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 08.05.1921, leg. ANONYMOUS, coll. NVZ. **3** w, Petersberg [Sânpetru/Barcászentpéter, Brașov/Brassó county, RO], 17.05.1921, leg. ANONYMOUS, coll. NVZ. **14** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 11.06.1924, leg. A. MÜLLER, coll. NVZ. **2** w, Heltau Garten [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 07.07.1924, leg. A. MÜLLER, coll. NVZ. **2** q, Heltau Garten [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 17.07.1924, leg. A. MÜLLER, coll. NVZ. **3** q, Heltau [Cisnădie/Nagydisznód, Sibiu/ Szeben county, RO], 14.08.1925, leg. A. MÜLLER, coll. NVZ. **1** q, Hongrie Nagytétény [Hungary], no. 13, 08.06.1935, leg. RÖSZLER [*Plagiolepis pygmaea* LATR. det. RÖSZLER], coll. NVZ. **1** q, Hongrie Nagytétény [Hungary], no. 20, 08.06.1935, leg. RÖSZLER [*Plagiolepis pygmaea* LATR. det. RÖSZLER], coll. NVZ. **1** q, Hongrie Nagytétény [Hungary], no. 27, 08.06.1935, leg. RÖSZLER [*Plagiolepis pygmaea* LATR. det. RÖSZLER], coll. NVZ. **5** m, Heltau [Cisnădie/Nagydisznód, Sibiu/ Szeben county, RO], 11.06.1924, leg. A. MÜLLER, coll. NVZ.

*Camponotus truncatus* (SPINOLA, 1808) – **1** q, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 06.09.1946, leg. RÖSZLER, coll. NVZ. **3** w, Heltau, a. Nussbäumer [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 18.04.1920, leg. A. MÜLLER, coll. NVZ. **1** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 18.04.1920, leg. A. MÜLLER, coll. NVZ. **6** w, Hungária, Nagytétény [Hungary], no. 456, leg. RÖSZLER [*Colobopsis truncatus* SPIN. det. ANONYMOUS], coll. NVZ. **11** w, Budapest [Hungary], leg. RÖSZLER, coll. NVZ. **3** w, Budapest [Hungary], leg. RÖSZLER [*Colobopsis truncata* SPIN. det. ANONYMOUS], coll. NVZ.

*Camponotus fallax* (NYLANDER, 1856) – **1** q, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.05.1951, leg. WORELL, coll. WORELL. **3** w, Imprej. Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 04.06.1956, leg. WORELL, coll. WORELL. **4** w, Garten, Sibiu [Sibiu/ Nagyszeben, Sibiu/Szeben county, RO], 01.04.1952, leg. WORELL, coll. WORELL. **2** w, **3** m, Gradiña, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.05.1956, leg. WORELL, coll. WORELL. **1** q, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 08.05.1954, leg. WORELL, coll. WORELL. **3** w, **2** q, **2** m, Nagytétény [Hungary], leg. RÖSZLER J. P., coll. NVZ. **1** w, **1** q, Hongrie, Nagytétény [Hungary], 17.04.1935, leg. RÖSZLER, coll. NVZ. **1** w, **1** q, Hongrie, Nagytétény [Hungary], 14.04.1935, leg. RÖSZLER, coll. NVZ.

*Camponotus aethiops* (LATREILLE, 1798) – **2** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/ Szeben county, RO], 01.04.1952, leg. WORELL, coll. WORELL. **3** w, Hermanstadt, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 12.05.1945, leg. WORELL, coll. WORELL. **2** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 19.09.1920, leg. MÜLLER, coll. WORELL. **1** w, Fiume [Rijeka/Fiume, Croatia], 03.1935, leg. RÖSZLER, coll. NVZ. **1** w, Colibita, Bistritztal [Colibița/Kolibica, Bistrița-Năsăud/Beszterce-Naszód county, RO], 06.08.1918, leg. MÜLLER, coll. NVZ. **1** w, **4** q, **1** m, S. Regen, Manastirea, [Reghin/ Szászrégen, Mureș/Maros county, RO], 08.1919, leg. MÜLLER, coll. NVZ. **3** w, Nagytétény [Hungary], 24.10.1935, leg. RÖSZLER, coll. NVZ. **4** w, Nagytétény [Hungary], 24.10.1934, leg. RÖSZLER,

coll. NVZ. **8** w, Hongrie, Budapest [Hungary], 10.08.1935, leg. RÖSZLER, coll. NVZ. **4** q, **3** m, Hongrie, Budapest [Hungary], no. 476, 10.08.1935, leg. RÖSZLER, no. 476, coll. NVZ.

*Camponotus vagus* (SCOPOLI, 1763) – **5** w, **3** q, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 16.04.1947, leg. WORELL, coll. WORELL. **3** w, Imprej. Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 02.06.1955, leg. WORELL, coll. WORELL. **1** q, **1** m, Imprej. Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 18.05.1953, leg. WORELL, coll. WORELL. **1** w, Hermanstadt, [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 10.08.1935, leg. ANONYMOUS, coll. NVZ. **7** w, Probstdorf [Stejărișu/Prépostfalva, Sibiu/Szeben county, RO], 22.09.1914, leg. MÜLLER coll. NVZ. **1** q, **1** m, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 16.08.1929, leg. MÜLLER, coll. NVZ. **1** w, **1** q, **1** m, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.05.1925, leg. MÜLLER, coll. NVZ. **1** w, **1** q, **4** m, Landskrone [Dealul Cetății, Tălmaciu/Nagyalmács, Sibiu/Szeben county], 24.03.1921, leg. ANONYMOUS, coll. NVZ. **2** w, Michelsberg [Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 21.09.1920, leg. MÜLLER, coll. NVZ. **1** w, Hermanstadt, Erlem. [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 24.03.1921, leg. C. HENRICH, coll. NVZ. **1** q, Götzemberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 05.1916, leg. MÜLLER, coll. NVZ. **1** m, Landskrone [Dealul Cetății, Tălmaciu/Nagyalmács, Sibiu/Szeben county], 24.03.1894, leg. ANONYMOUS, coll. NVZ.

*Camponotus ligniperda* (LATREILLE, 1802) – **1** w, Hohe Rinne, Zibins [Pältiniș, Sibiu/Szeben county, RO], 02.09.1940, leg. WORELL, coll. WORELL. **1** q, Hohe Rinne, Zibins [Pältiniș, Sibiu/Szeben county, RO], 16.04.1953, leg. WORELL, coll. WORELL. **8** w, Michelsberg, Hermanstadt [Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 10.09.1956, leg. WORELL, coll. WORELL. **1** w, **1** m, Götzemberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 05.1916, leg. MÜLLER, coll. NVZ. **5** w, **2** q, Naja bei Broos [Orăștiei/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1924, leg. MÜLLER, coll. NVZ. **2** w, Naja bei Broos [Orăștiei/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 14.09.1918, leg. ANONYMUS, coll. NVZ. **1** w, Rákoser Töpe [Negru/Töpe Peak, Racoș/Alsórákos, Brașov/Brassó county, RO], 14.09.1928, leg. MÜLLER, coll. NVZ. **2** w, Götzemberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 20.04.1918, leg. MÜLLER, coll. NVZ. **1** w, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 08.1915, leg. MÜLLER coll. NVZ. **1** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.09.1920, leg. ANONYMOUS, coll. NVZ. **2** w, Götzemberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 20.05.1920, leg. ANONYMOUS, coll. NVZ. **1** w, Hof [? Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 10.1916, leg. ANONYMOUS, coll. NVZ. **1** w, Götzemberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 05.1916, leg. ANONYMOUS, coll. NVZ. **1** w, Mällseifen [?], 04.1918, leg. ANONYMOUS, coll. NVZ. **1** w, Michelsberg [Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 24.05.1920, leg. ANONYMOUS, coll. NVZ. **1** w, Retezat, Riu Mare täler [Riu Mare, Retezat/Retezát Mts, Hunedoara/Hunyad county, RO], 29.08.1930, leg. MÜLLER, coll. NVZ. **1** q, Tu. [Tușnad/Tusnád, Hargita/Hargita county, RO], 08.1889, leg. ANONYMOUS, coll. NVZ. **1** q, Riu Sadu [Sad Valley, Cindrel/Szebeni Mts, RO], 08.1915, leg. ORENDI, coll. NVZ. **1** q, **1** m, Zibins gebirge, Stezi-tal [Ștei Valley, Cindrel/Szebeni Mts, RO], 31.05.1931, leg. MÜLLER, coll. NVZ. **1** w, Negoi [Negoi, Făgărăș/Fogaras Mts, RO], 01.08.1916, leg. MÜLLER, coll. NVZ. **1** m, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.1917, leg. MÜLLER, coll. NVZ. **1** w, **5** m, Hungaria, Nagytétény [Hungary], no. 486, leg. RÖSZLER, coll. NVZ.

*Camponotus herculeanus* (LINNAEUS, 1758) – **1** w, Busteni umg. wasserfall [Bușteni, Prahova county, RO], 08.1933, leg. MÜLLER, coll. NVZ. **1** w, Hohe Rinne [Pältiniș, Sibiu/Szeben county, RO], 07.1917, leg. MÜLLER, coll. NVZ. **1** q, Gyaluer Gebirge, Reketó [Măguri-Răcătău/Reketó, Gilăului/Gyalui Mts, Cluj/Kolozs county, RO], 13.08.1929, leg. MÜLLER, coll. NVZ. **1** q, Nagyhagy-más [Hășmașu Mare/Nagyhagymás Mts, Harghita/Hargita county, RO], 26.08.1918, leg. MÜLLER,

coll. NVZ. **4** q, Cindrel 2100 m [Cindrel peak, Cindrel/Szebeni Mts, Sibiu/Szeben county, RO], 21.09.1918, leg. MÜLLER, coll. NVZ. **1** q, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 12.08.1922, leg. ANONYMOUS, coll. WORELL. **1** q, Borszék, Hollóér-wald [Borsec/Borszék, Hargita/Hargita county, RO], 29.07.1929, leg. MÜLLER, coll. NVZ. **2** q, Prislop [Prislop/Priszloptelep, Răsinari/Resinár, Sibiu/Szeben county, RO], 21.09.1918, leg. HANNENHEIM, coll. NVZ.

*Camponotus atricolor* (NYLANDER, 1849) – **2** w, Hongrie, Budapest [Hungary], no. 476, 17.09.1934, leg. RÖSZLER, coll. NVZ.

*Camponotus dalmaticus* (NYLANDER, 1849) – **2** w, Fiume [Rijeka/Fiume, Croatia], no. 82, 08.1935, leg. RÖSZLER, coll. NVZ.

*Camponotus piceus* (LEACH, 1825) – **3** w, 7 m, B.szt.Miklós [Sânmiclăuș/Bethlenszentmiklós, Alba/Fehér county, RO], 19.05.1925, leg. MÜLLER, coll. NVZ. **3** w, S.Regen [Reghin/Szászrégen, Mureș/Maros county, RO], 01.03.1919, leg. MÜLLER, coll. NVZ. **2** w, Gross-Scheuern [Șura Mare/Nagycsűr, Sibiu/Szeben county, RO], 27.09.1919, leg. ANONYMOUS, coll. NVZ. **2** w, Petersberg [Sânpetru/Barcaszentpéter, Brașov/Brassó county, RO], 17.05.1921, leg. ANONYMOUS, coll. NVZ. **1** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 08.09.1921, leg. ANONYMOUS, coll. NVZ. **3** w, Hungaria, Nagytétény [Hungary], no. 475, leg. RÖSZLER, coll. NVZ. **3** w, Budapest [Hungary], 29.04.1932, leg. RÖSZLER, coll. NVZ. **6** w, Nagytétény [Hungary], 24.07.1934, leg. RÖSZLER, coll. NVZ.

*Lasius fuliginosus* (LATREILLE, 1798) – **8** w, Hermannstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 31.10.1919, leg. A. MÜLLER, coll. NVZ. **3** w, Hamsdf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.1920, leg. ANONYMOUS, coll. NVZ. **3** w, Hamdf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.1920, leg. ANONYMOUS [*Lasius fuliginosus* det. ANONYMOUS], coll. NVZ. **1** w, Hermsdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 31.10.1919, leg. ANONYMOUS, coll. NVZ. **1** q, Hrmstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.06.1926, leg. A. MÜLLER, coll. NVZ. **1** q, Stolzenberg [Slimnic/Szelindek, Sibiu/Szeben county, RO], 10.02.1922, leg. A. MÜLLER, coll. NVZ. **2** w, Roter Turm, Cozia [Cozia Mts, Turnu Roșu/Vöröstorony, Sibiu/Szeben county, RO], 07.06.1921, leg. A. MÜLLER, coll. NVZ. **1** q, **1** m, Cozia [Cozia Mts, RO], 07.06.1921, leg. A. MÜLLER, coll. NVZ. **1** q, Roter Turm [Cozia Mts, Turnu Roșu/Vöröstorony, Sibiu/Szeben county, RO], 07.06.1921, leg. A. MÜLLER, coll. NVZ. **2** w, Borszék [Borsec/Borszék, Hargita/Hargita county, RO], 03.08.1921, leg. A. MÜLLER, coll. NVZ. **1** q, S. Regen [Reghin/Szászrégen, Mureș/Maros county, RO], 14.08.1922, leg. A. MÜLLER, coll. NVZ. **1** m, Michelsberg [Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 06.1918, leg. A. MÜLLER, coll. NVZ. **4** w, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 15.07.1946, leg. WORELL, coll. WORELL. **2** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 31.10.1919, leg. ANONYMUS coll. NVZ. **1** w, Gotha [Germany], 1935, leg. JÄNNER [*Lasius fuliginosus* LATR. det. RÖSZLER], coll. NVZ.

*Lasius niger* (LINNAEUS, 1758) – **2** w, Hamersdf. [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.10.1920, leg. ANONYMOUS, coll. NVZ. **1** w, Hermstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 09.1915, leg. ANONYMOUS, coll. NVZ. **1** w, H[g'] [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 21/390, leg. ANONYMOUS, coll. NVZ. **2** q, Hermannstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 07.1916, leg. A. MÜLLER, coll. NVZ. **1** m, Hermstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 29.10.1919, leg. A. MÜLLER, coll. **4** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 15.06.1924, leg. A. MÜLLER, coll. NVZ. **1** q, Talmesch [Tălmaciu/Nagytalmács, Sibiu/Szeben county, RO], 26.03.1918, leg. A. MÜLLER, coll. NVZ. **12** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 06.1951, leg. WORELL, [*Lasius alienus* det. WORELL], coll. WORELL. **12** m, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 10.07.1951, leg. WORELL, coll. WORELL. **8** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.03.1952, leg. WORELL, coll. WORELL. **6** w, Hermannstadt, Jung. Wald

[Dumbrava Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 07.1943, leg. WORELL, coll. WORELL. **2** q, **1** m, Marosbisztra [Bistra Mureșului/Déabisztra, Mureș/Maros county, RO], 07.1917, leg. ANONYMOUS, coll. NVZ. **2** w, Hongrie, Nagytétény [Hungary], no. 17, 12.10.1934, leg. RÖSZLER [*Lasius niger* L. det. RÖSZLER], coll. NVZ. **2** w, Gotha [Germany], no. 6, 1935, leg. JÄNNER [*Lasius niger* det. RÖSZLER], coll. NVZ. **4** w, Gotha [Germany], 1935, leg. JÄNNER [*Lasius emarginatus* OL. det. RÖSZLER], coll. NVZ.

*Lasius platythorax* SEIFERT, 1992 – **4** w, **2** q, **2** m, Dedabistra [Bistra Mureșului/Déabisztra, Mureș/Maros county, RO], 07.1917, leg. A. MÜLLER, coll. NVZ. **12** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 09.04.1916, leg. A. MÜLLER, coll. NVZ.

*Lasius emarginatus* (OLIVIER, 1791) – **2** w, Împrej. Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 04.06.1956, leg. WORELL, coll. WORELL. **2** w, Nagytétény [Hungary], no. 179, 09.04.1935, leg. RÖSZLER [*Lasius emarginatus* OLIV. det. ANONYMOUS], coll. NVZ. **8** w, Fiume [Rijeka/Fiume, Croatia], 20.03.1929, leg. RÖSZLER [*Lasius flavus* FABR. det. ANONYMOUS], coll. NVZ.

*Lasius alienus* (FÖRSTER, 1850) – **1** q, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 15.06.1924, leg. A. MÜLLER, coll. NVZ. **1** m, Naia [Orăştie/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1924, leg. A. MÜLLER, coll. NVZ.

*Lasius paralienus* SEIFERT, 1992 – **2** w, **2** q, Naia [Orăştie/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1924, leg. A. MÜLLER, coll. NVZ. **1** q, Naja b. Broos [Orăştie/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1924, leg. A. MÜLLER, coll. NVZ. **1** q, Hrmstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 29.10.1919, leg. ANONYMOUS, coll. NVZ. **1** q, Hammersdf. [Guşterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 24.09.1922, leg. A. MÜLLER, coll. NVZ. **12** m, Neppen Zibin, Hermannstadt [Turnișor/Kistorony, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 17.10.1954, leg. WORELL, [*Lasius alienus* det. WORELL], coll. WORELL. **5** w, **1** m, Neppen Zibin, Hermannstadt [Turnișor/Kistorony, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 19.10.1954, leg. WORELL, coll. WORELL. **3** w, **4** q, Hungaria, Nagytétény [Hungary], no. 1010, leg. RÖSZLER [*Lasius alienus* MAYR det. ANONYMOUS], coll. NVZ. **3** w, Hongrie, Nagytétény [Hungary], no. 1010, 15.08.1935, leg. RÖSZLER [*Lasius alienus* LATR. det. ANONYMOUS], coll. NVZ. **2** w, Hongrie, Nagytétény [Hungary], no. 54, 11.05.1935, leg. RÖSZLER [*Lasius alienus* LATR. det. ANONYMOUS], coll. NVZ. **1** w, Hungária, Nagytétény [Hungary], no. 230, 1936, leg. RÖSZLER [*Lasius alienus* FÖRST. det. RÖSZLER], coll. NVZ. **2** w, Kavarna [Bulgaria], 19.07.1926, leg. A. MÜLLER [*Lasius alienus* FÖRST. det. ANONYMOUS], coll. NVZ.

*Lasius brunneus* (LATREILLE, 1798) – **4** w, Ocna Sibiului [Ocna Sibiului/Vízakna, Sibiu/Szeben county, RO], 05.10.1955, leg. WORELL, coll. WORELL. **2** w, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 20.05.1948, leg. WORELL, coll. WORELL. **1** m, Riu Sadu [Sad Valley, Cindrel/Szebeni Mts, RO], 18.06.1925, leg. A. MÜLLER, coll. NVZ. **5** w, Götzenberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 01.05.1921, leg. A. MÜLLER, coll. NVZ. **2** w, J. Eichen [? Dumbrava Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 04.1929, leg. ANONYMOUS, coll. NVZ. **1** w, Hátszeg vár alja [Hațeg/Hátszeg, Hunedoara/Hunyad county, RO], 27.08.1921, leg. A. MÜLLER, coll. NVZ. **4** w, Cozia Rotenturm [Cozia Mts, Turnu Roșu/Vöröstorony, Sibiu/Szeben county, RO], 04.06.1922, leg. A. MÜLLER, coll. NVZ. **3** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 26.08.1922, leg. A. MÜLLER, coll. NVZ.

*Lasius flavus* (FABRICIUS, 1781) – **3** w, Zibins, Klamme [Păltiniș, Cindrel/Szebeni Mts, Sibiu/Szeben, RO], 25.10.1921, leg. A. MÜLLER, coll. NVZ. **3** w, **3** q, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 17.07.1922, leg. A. MÜLLER, coll. NVZ. **6** w, Landeskrona [Dealul Cetății, Tălmaciu/Nagytalmács, Sibiu/Szeben county], 11.04.1920, leg. ANONYMOUS, coll. NVZ. **4** w, Hrmstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.01.1926, leg. A. MÜLLER, coll. NVZ. **4** w, Meliobocus Orkunsadt [?, RO], 06.08.1920, leg. ANONYMOUS [*Lasius flavus* det. ANONYMOUS]

MOUS], coll. NVZ. **4** m, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 16.07.1922, leg. A. MÜLLER, coll. NVZ. **8** w, Gotha [Germany], no. 6, 1935, leg. JÄNNER [*Lasius flavus myops* FOR. det. ANONYMOUS], coll. NVZ. **2** w, Gotha [Germany], no. 11, 1935, leg. JÄNNER [*Lasius myops* FOREL det. RÖSZLER], coll. NVZ. **4** w, Gotha [Germany], no. 10, 1935, leg. JÄNNER [*Lasius flavus* DEG. det. RÖSZLER], coll. NVZ. **4** w, Gotha [Germany], no. 7, 1935, leg. JÄNNER [*Lasius mixtus* NYL. det. RÖSZLER], coll. NVZ. **4** w, Maced. Sar. Dach Popovo Sapka [Macedonia], no. 244, 1935, leg. J. FODOR [*Lasius mixtus* NYL. det. ANONYMOUS], coll. NVZ. **6** w, Hongrie, Nagytétény [Hungary], 21.04.1935, leg. RÖSZLER [*Lasius flavus myops* FOR. det. ANONYMOUS], coll. NVZ. **5** w, **1** q, **1** m ["Entwicklung von *Lasius flavus* DEG."], unknown loc, leg. RÖSZLER [*Lasius flavus* DEG. det. RÖSZLER], coll. NVZ.

*Lasius myops* FOREL, 1894 – **3** w, Nagytétény [Hungary], 09.11.1934, leg. RÖSZLER [*Lasius flavus myops* FOR. det. ANONYMOUS], coll. NVZ.

*Lasius bicornis* (FÖRSTER, 1850) – **1** q, Hermannstadt, Altenberg [Viile Sibiului, Sibiu/Nagy-szeben, Sibiu/Szeben county, RO], 10.08.1925, leg. ANONYMOUS, coll. NVZ.

*Lasius affinis* SCHENK, 1852 – **1** m, Hrmstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.06.1926, leg. A. MÜLLER, coll. NVZ.

*Lasius umbratus* NYLANDER, 1846 – **1** q, H. Rinne [Păltiniș, Sibiu/Szeben county, RO], 1915, leg. ANONYMOUS, coll. NVZ.

*Lasius balcanicus* SEIFERT, 1988 – **4** w, **1** q, **1** m, Hungária, Nagytétény [Hungary], no. 1005, leg. RÖSZLER [*Lasius distinguendus* EM. det. RÖSZLER], coll. NVZ.

*Lasius distinguendus* (EMERY, 1916) – **1** q, S. Regen [Reghin/Szászrégen, Mureș/Maros county, RO], 17.07.1921, leg. A. MÜLLER, coll. NVZ. **1** q, Sz. Régen [Reghin/Szászrégen, Mureș/Maros county, RO], 17.07.1921, leg. A. MÜLLER, coll. NVZ. **1** q, S. Regen Aussichtswarte a. d. Huja [Reghin/Szászrégen, Mureș/Maros county, RO], 17.07.1921, leg. A. MÜLLER, coll. NVZ. **1** q, Riu Sad [Sad Valley, Cindrel/Szebeni Mts, RO], 07.1925, leg. ORENDI, coll. NVZ.

*Lasius balcanicus/distinguendus* – **2** w, Nagytétény [Hungary], leg. RÖSZLER [*Lasius umbratus* MAYR det. ANONYMOUS], coll. NVZ. **2** w, Gospic [Gospič, Serbia], 20.06.1929, leg. RÖSZLER [*Lasius mixtus* NYL. det. ANONYMOUS], coll. NVZ. **3** w, Hongrie Budapest [Hungary], 02.07.1935, leg. RÖSZLER [*Lasius mixtus* NYL. det. ANONYMOUS], coll. NVZ. **6** w, Hongrie Nagytétény [Hungary], 02.07.1935, leg. RÖSZLER [*Lasius mixtus* NYL. det. ANONYMOUS], coll. NVZ.

*Lasius (Chtonolasius)* sp. – **1** q [without gaster and scale], Klausenburg [Cluj-Napoca/Kolozsvár, Cluj/Kolozs county], 13.08.1918, leg. A. MÜLLER, coll. NVZ.

*Formica sanguinea* LATREILLE, 1798 – **2** w, **1** m, Hermannstadt, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 09.1943. leg. WORELL, coll. WORELL. **3** w, Talmesch, Landskrone, [Dealul Cetății, Tălmaciú/Nagytalmács, Sibiu/Szeben county], 11.04.1920, leg. MÜLLER, coll. NVZ. **2** w, Gotha [Germany], 1935, leg. G. JÄNNER, coll. NVZ. **2** w, **3** q, Colibita, Bistriztal, [Colibița/Kolibica, Bistrița-Năsăud/Beszterce-Naszód county, RO], 16.07.1930, leg. MÜLLER, coll. NVZ. **1** q, Borszék, Hollóér-wald [Borsec/Borszék, Harghita/Hargita county, RO], 29.07.1929, leg. MÜLLER, coll. NVZ. **1** q, Hátszeg [Hațeg/Hátszeg, Hunedoara/Hunyad county, RO], 27.07.1921, leg. MÜLLER, coll. NVZ. **2** w, **3** m, Nagytétény [Hungary], no. 477, leg. RÖSZLER J. P, coll. NVZ. **3** w, Nagytétény [Hungary], 13.07.1934, leg. RÖSZLER, coll. NVZ.

*Formica rufa* LINNAEUS, 1758 – **1** m, Petersberg [Sânpetru/Barcaszentpéter, Brașov/Brassó county, RO], 17.05.1921, leg. ANONYMOUS, coll. NVZ. **1** m, Grossauer Hillwald [Cristian/Keresztenysziget, Sibiu/Szeben county, RO], 11.05.1930, leg. A. MÜLLER, coll. NVZ.

*Formica polyctena* FÖRSTER, 1850 – **8** w, Hermannstadt, umgebung [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 20.04.1950. leg. WORELL, coll. WORELL. **1** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 16.04.1952. leg. WORELL, coll. WORELL. **1** w, Petersberg [Sânpetru/Barcaszentpéter, Brașov/Brassó county, RO], 17.05.1921. leg. ANONYMOUS coll. NVZ. **3** w,

Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 09.1915. leg. MÜLLER coll. NVZ. **1** q, Valea Rea OB. Resinar [Răsinari/Resinár, Sibiu/Szeben county, RO], 25.05.1930. leg. MÜLLER coll. NVZ. **1** q, Götzenberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 03.05.1923. leg. MÜLLER coll. NVZ. **1** q, Hermanstadt, Jungerwald [Dumbrava Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 15.05.1924. leg. MÜLLER coll. NVZ. **1** q, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 29.04.1922. leg. MÜLLER coll. NVZ. **1** q, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 04.1916. leg. MÜLLER coll. NVZ. **1** q, Götzenberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 01.05.1921. leg. ANONYMOUS coll. NVZ. **1** q, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 23.05. 1930. leg. MÜLLER coll. NVZ.

*Formica pratensis* RETZIUS, 1783 – **4** m, Dumbrava, Sibiu [Dumbrava Sibiului, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 24.05.1954. leg. WORELL, coll. WORELL. **1** q, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.07.1952. leg. WORELL, coll. WORELL. **5** w, Talmesch, Landskrone [Dealul Cetății, Tălmaciú/Nagyalmács, Sibiu/Szeben county], 11.04.1920. leg. MÜLLER coll. NVZ. **4** w, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 04.1916. leg. ANONYMOUS coll. NVZ. **1** q, Turm [Cozia Mts, Turnul Roșu/Vöröstorony, RO], 03.06.1922. leg. MÜLLER coll. NVZ. **3** q, Landskrone [Dealul Cetății, Tălmaciú/Nagyalmács, Sibiu/Szeben county], 24.03.1921. leg. MÜLLER coll. NVZ. **1** q, Götzenberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 20.06.1933. leg. MÜLLER coll. NVZ. **1** w, Landskrone [Dealul Cetății, Tălmaciú/Nagyalmács, Sibiu/Szeben county], 27.03.1921. leg. MÜLLER coll. NVZ [+2 *Formicoxenus nitidulus* w]. **1** m, Mezőség [Câmpia Transilvaniei/Mezőség, RO], 23.07.1924, leg. A. MÜLLER, coll. NVZ. **1** m, Hermanstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 28.10. 1918, leg. A. MÜLLER, coll. NVZ. **1** m, Grossauer Hillwald [Cristian/Keresztenysziget, Sibiu/Szeben county, RO], 11.05.1930, leg. A. MÜLLER, coll. NVZ. **1** m, Kaisd [Saschiz/Szászkézd, Mureș/Maros county, RO], 15.09.1921, leg. A. MÜLLER, coll. NVZ. **1** m, Sophia Knjazevo [Sofia, Bulgaria], 01.08.1931, leg. A. MÜLLER, coll. NVZ.

*Formica nigricans* EMERY, 1909 – **1** q, Götzenberg, Hermanstadt [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 04.05.1946, leg. WORELL, coll. WORELL. **1** m, Czoodtal 2. Elektr. Werk [Sad Valley, Cindrel/Szebeni Mts, RO], 07.1928, leg. ORENDI, coll. NVZ. **1** m, Jbürg Erzgeb. [? Metaliferi/Érchezegység Mts, RO], 06.1915, leg. A. MÜLLER, coll. NVZ. **1** m, Hamersdrf Km. [Guşterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 12.05.1901, coll. NVZ.

*Formica truncorum* FABRICIUS, 1804 – **7** w, Békás-pass [Cheile Bicazului/Békási-szoros, Neamț county, RO], 03.08.1924, leg. MÜLLER, coll. NVZ. **3** w, Petersberg [Sânpetru/Barcaszentpéter, Brașov/Brassó county, RO], 19.05.1921, leg. ANONYMOUS, coll. NVZ. **1** w, Retezat gebirge, Riu mare-tal [Rîu Mare, Retezat/Retezát Mts, Hunedoara/Hunyad county, RO], 29.08.1930, leg. MÜLLER, coll. NVZ. **1** q, Borszék [Borsec/Borszék, Harghita/Hargita county, RO], 03.08.1921, leg. MÜLLER, coll. NVZ.

*Formica fusca* LINNAEUS, 1758 – **2** q, Hohe Rinne, Zibins [Pältiniș, Sibiu/Szeben county, RO], 02.09.1940, leg. WORELL, coll. WORELL. **2** w, Götzenberg [Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO], 01.05.1921, leg. ANONYMOUS, coll. NVZ.

*Formica lemani* BONDROIT, 1917 – **2** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 12.04.1952, leg. WORELL, coll. WORELL. **2** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 01.04.1952, leg. WORELL, coll. WORELL. **2** w, Hermanstadt, Hammersdorf [Guşterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 09.1943, leg. WORELL, coll. WORELL. **8** w, Naja bei Broos [Orăștiei/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1924, leg. MÜLLER, coll. NVZ. **1** w, Hohe Rinne [Pältiniș, Sibiu/Szeben county, RO], 19.09.1919, leg. MÜLLER, coll. NVZ. **1** q, Cindrel [Cindrel peak, Cindrel/Szebeni Mts, Sibiu/Szeben

county, RO], 21.09.1918, leg. A. MÜLLER, coll. NVZ. **1** q, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 07.1917, leg. A. MÜLLER, coll. NVZ. **1** q, Colibita, Bistriztal [Colibița/Kolibica, Bistrița-Năsăud/Beszterce-Naszód county, RO], 06.08.1918, leg. MÜLLER, coll. NVZ. **2** q, **2** m, Cindrel [Cindrel peak, Cindrel/Szebeni Mts, Sibiu/Szeben county, RO], 21.09.1918, leg. MÜLLER, coll. NVZ. **2** q, Ceahlău [Ceahlău/Csalhó Mts, RO], 01.08.1924, leg. MÜLLER, coll. NVZ. **1** q, Hâtszeg [Hățeg/Hâtszeg, Hunedoara/Hunyad county, RO], 29.05.1931, leg. MÜLLER, coll. NVZ. **1** q, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 19.09.1910, leg. MÜLLER coll. NVZ. **1** q, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 15.09.1919, leg. ANONYMUS, coll. NVZ. **1** w, Langental [Valea Lungă/Hosszúászó, Alba/Fehér county, RO], 11.07.1926, leg. MÜLLER, coll. NVZ. **1** m, Naja [Orăștiei/Szászvárosi Mts, Hunedoara/Hunyad county, RO], 01.09.1921, leg. MÜLLER, coll. NVZ. **1** m, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 07.1916, leg. ANONYMOUS, coll. NVZ. **1** m, Hermannstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 06.1918, leg. ANONYMOUS, coll. NVZ. **2** w, Gotha [Germany], 1935, leg. JÄNNER [*Formica gagates* det. RÖSZLER], coll. NVZ.

*Formica cunicularia* LATREILLE, 1798 – **4** w, Herkulesbad [Băile Herculane/Herkulesfürdő, Caraș-Severin county, RO], 09.06.1942, leg. WORELL, coll. WORELL. **6** w, Garten, Sibiu [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 12.04.1952, leg. WORELL, coll. WORELL. **1** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 26.07.1926, leg. ANONYMOUS, coll. NVZ. **3** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.10.1920, leg. ANONYMOUS, coll. NVZ. **2** w, Hohe Rinne [Păltiniș, Sibiu/Szeben county, RO], 15.09.1919, leg. ANONYMOUS, coll. NVZ. **3** w, Klausenburg [Cluj-Napoca/Kolozsvár, Cluj/Kolozs county, RO], 08.08.1918, leg. MÜLLER, coll. NVZ. **2** w [with *Polyergus rufescens*], Bungard [Bungard/Bongárd, Sibiu/Szeben county, RO], 21.05.1922, leg. A. MÜLLER [*Formica fusca* L. det. ANONYMOUS], coll. NVZ. **1** w [with *Polyergus rufescens*], Bungard [Bungard/Bongárd, Sibiu/Szeben county, RO], 21.05.1922, leg. A. MÜLLER, coll. NVZ. **1** w [with *Polyergus rufescens*], Langenthal [Valea Lungă/Hosszúászó, Alba/Fehér county, RO], 04–25.07.1938, leg. A. MÜLLER, coll. NVZ. **3** w, Hongrie, Budapest [Hungary], no. 200, 04.1936, leg. RÖSZLER, coll. NVZ.

*Formica rufibarbis* FABRICIUS, 1793 – **3** w, Heltau [Cisnădie/Nagydisznód, Sibiu/Szeben county, RO], 18.04.1920, leg. MÜLLER, coll. NVZ. **3** w, Nagytétény [Hungary], 20.08.1934, leg. RÖSZLER, coll. NVZ. **1** w, Hongrie, Budapest [Hungary], no. 228, leg. RÖSZLER, coll. NVZ. **4** w, **2** q, Nagytétény [Hungary], 16.11.1934, leg. RÖSZLER, coll. NVZ. **1** w [with *Polyergus rufescens*], Gospic Röaler [Gospic, Serbia], no. 390, 20.07.1929, leg. RÖSZLER [*Formica rufibarbis* FABR. det. RÖSZLER], coll. NVZ.

*Formica gagates* LATREILLE, 1798 – **4** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 03.10.1920, leg. MÜLLER, coll. NVZ. **3** w, S. Regen [Reghin/Szászrégen, Mureș/Maros county, RO], 16.04.1916, leg. MÜLLER, coll. NVZ. **2** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 19.09.1920, leg. MÜLLER, coll. NVZ. **2** w, S. Regen [Reghin/Szászrégen, Mureș/Maros county, RO], 17.07.1921, leg. MÜLLER, coll. NVZ. **1** w, Arbege [Agârbiciu/Szászegerbegy, Sibiu/Szeben county, RO], 20.10.1918, leg. MÜLLER, coll. NVZ.

*Formica cinerea* MAYR, 1853 – **3** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 28.10.1918, leg. MÜLLER, coll. NVZ. **6** w, Hammersdorf [Gușterița/Szenterzsébet, Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 05.1910, leg. ANONYMOUS, coll. NVZ. **6** w, Hongrie, Budapest [Hungary], 18.09.1934, leg. RÖSZLER, coll. NVZ. **1** m, Vajdahunyad [Hunedoara/Vajdahunyad, Hunedoara/Hunyad county, RO], 11.06.1916, leg. A. MÜLLER, coll. NVZ.

*Polyergus rufescens* (LATREILLE, 1798) – **5** w [with *Formica cunicularia*], Bungard [Bungard/Bongárd, Sibiu/Szeben county, RO], 21.05.1922, leg. A. MÜLLER, coll. NVZ. **1** w [with *Formica*

*cunicularia*], Langenthal [Valea Lungă/Hosszúászó, Alba/Fehér county, RO], 04–25.07.1938, leg. A. MÜLLER, coll. NVZ. **2** w, Langenthal [Valea Lungă/Hosszúászó, Alba/Fehér county, RO], 04–25.07.1938, leg. A. MÜLLER, coll. NVZ. **1** w, Meschen [Weingärten] [Moşna/Szászmuzsna, Sibiu/Szeben county, RO], 24.10.1918, leg. A. MÜLLER, coll. NVZ. **4** w, **2** q, **1** m, Hermannstdt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 07.1916, leg. ANONYMOUS, coll. NVZ. **1** q, **2** m, Hermannstadt [Sibiu/Nagyszeben, Sibiu/Szeben county, RO], 07.1916, leg. A. MÜLLER, coll. NVZ. **4** w, Hungária, Budafok [Hungary], no. 377, leg. RÖSZLER [*Polyergus rufescens* LATR. det. RÖSZLER], coll. NVZ. **1** w [with *Formica rufibarbis*], Gospic [Gospič, Serbia], no. 390, 20.07.1929, leg. RÖSZLER [*Polyergus rufescens* LT. det. RÖSZLER], coll. NVZ.

*Cataglyphis nodus* (BRULLÉ, 1832) – **1** w, Gellérth. [Gellérth Mt, Budapest, Hungary], 03.09.1895, leg. ANONYMOUS, coll. NVZ. **4** w, Hongrie, Budapest [Hungary], no. 1003, leg. RÖSZLER [*Cataglyphis bicolor nodus v. röszleri* KARAW. det. RÖSZLER], typus, coll. NVZ. **1** w, Bulg. Balkan, Shipkapass [Bulgaria], 15.08.1931, leg. A. MÜLLER, coll. NVZ. **3** w, Bulgarien, Pirin, Eltepe [Bulgaria], 06–07.08.1931, leg. A. MÜLLER, coll. NVZ.

*Cataglyphis aenescens* (NYLANDER, 1849) – **1** m, K.Szt.Miklós [Kunszentmiklós, Hungary], 1886, leg. ORMAY, coll. NVZ. **1** w, Dobrogea, Tekirghiol [Techirghiol, Constanța county, RO], 06.1938, leg. WORELL, coll. NVZ.

#### NOTES

In the previous article (MARKÓ & CSŐSZ 2002), data on 780 individuals belonging to 44 species were presented. Considering these data along with the currently published species, altogether 86 species were identified in the collection (Table 1): 45 species from Sibiu city and its vicinity, 65 from Transylvania and 68 from Romania. A considerable number of species were collected in other European countries: 34 species were identified from Hungary and 25 species from other countries. It is worth mentioning that the fauna of Sibiu city and its surroundings is especially rich and diverse on the basis of these data, at least half of the currently known species in Romania can be found here.

PARASCHIVESCU (1975) in his article listed only 47 Romanian species from the Museum's collection, which shows, besides the inadequacy of the identifications, the progress recorded in ant taxonomy in the past decades. It is also interesting that despite the fact that PARASCHIVESCU (1975) mentioned *Formicoxenus nitidulus* NYLANDER and *Camponotus sylvaticus* OLIVIER as new species for Romania in his paper on the Museum's collection, he still did not include them in his list on the Romanian myrmecofauna later on (PARASCHIVESCU 1978). There are also some species, mentioned by PARASCHIVESCU (1975) for Romania from the Museum's collection, which are the results of misidentifications, as: *Crematogaster scutellaris*, *Leptothorax interruptus*, *Camponotus sylvaticus* and *C. lateralis*.

One new species was identified in the collection on the basis of the current status of the Romanian myrmecofauna (MARKÓ *et al.* in prep.): *Lasius bicornis*

**Table 1.** Species list of the ant collection of the Natural History Museum of Sibiu, Romania. (\*) = mentioned, (\*\*) = not mentioned to Romania by PARASCHIVESCU (1975), Si = Sibiu and its surroundings, Tr = Transylvania, Ro = Romania

Species	Si	Tr	Ro	Other European countries	PARASCHIVESCU (1978)
1. <i>Ponera coarctata</i> (LATREILLE, 1802)	+	+	+	-	+
2. <i>Ponera testacea</i> EMERY, 1895	+	+	+	-	-
3. <i>Manica rubida</i> (LATREILLE, 1802)	-	+	+	Italy, Macedonia	+
4. <i>Myrmica rubra</i> (LINNAEUS, 1758)	+	+	+	-	as <i>Myrmica laevimodis</i>
5. <i>Myrmica ruginodis</i> NYLANDER, 1846	+	+	+	-	+
6. <i>Myrmica sulcinodis</i> NYLANDER, 1846	-	-	-	Spain	**
7. <i>Myrmica rugulosa</i> NYLANDER, 1849	+	+	+	-	+
8. <i>Myrmica hellenica</i> FOREL, 1913	+	+	+	-	Hungary
9. <i>Myrmica gallienii</i> BONDROIT, 1919	-	-	-	Italy	
10. <i>Myrmica speciooides</i> BONDROIT, 1918	+	+	+	-	
11. <i>Myrmica scabrinodis</i> NYLANDER, 1846	+	+	+	-	
12. <i>Myrmica sabuleti</i> MEINERT, 1860	+	+	+	-	Hungary
13. <i>Myrmica lonaiae</i> FINZI, 1926	-	-	-	-	
14. <i>Myrmica salina</i> RÜZSKY, 1905	-	-	-	-	
15. <i>Myrmica schenckii</i> EMERY, 1894	+	+	+	-	
16. <i>Myrmica lobicornis</i> NYLANDER, 1846	-	+	+	-	Austria, Hungary
17. <i>Tetramorium caespitum</i> (LINNAEUS, 1758)	+	+	+	-	Hungary
18. <i>Tetramorium hungaricum</i> RÖSZLER, 1935	-	-	-	-	
19. <i>Tetramorium impurum</i> (FORSTER, 1850)	+	+	+	-	
20. <i>Leptothorax acervorum</i> (FABRICIUS, 1793)	-	-	-	Spain	
21. <i>Tennothorax tuberum</i> (FABRICIUS, 1793)	-	+	+	-	
22. <i>Tennothorax unifasciatus</i> (LATREILLE, 1798)	-	-	-	-	
23. <i>Tennothorax corniculatis</i> (SCHEENCK, 1852)	+	+	+	-	
24. <i>Tennothorax clypeatus</i> (MAYR, 1853)	-	+	+	-	
25. <i>Tennothorax affinis</i> MAYR, 1855	+	+	+	+	Hungary

Table 1 (continued)

Species	Si	Tr	Ro	Other European countries	PARASCHIVESCU (1978)
26. <i>Tennothorax crassispinus</i> KARAVAJEV, 1926	–	+	+	Hungary	as <i>Leptothorax nylanderii</i>
27. <i>Formicoxenus nitidulus</i> (NYLANDER, 1846)	+	+	+	–	+
28. <i>Stenamma debile</i> (FÖRSTER, 1850)	–	–	–	The Netherlands	as <i>Stenamma westwoodi</i>
29. <i>Myrmecina graminicola</i> (LATREILLE, 1802)	+	+	+	Hungary	+
30. <i>Solenopsis fugax</i> (LATREILLE, 1798)	+	+	+	Hungary	+
31. <i>Pheidole pallidula</i> (NYLANDER, 1848)	–	–	–	Bulgaria	–
32. <i>Pheidole megacephala</i> (FABRICIUS, 1793)	–	–	–	Germany	–
33. <i>Crematogaster schmidti</i> (MAYR, 1852)	–	+	+	–	–
34. <i>Crematogaster sordidula</i> (NYLANDER, 1848)	–	–	+	Bulgaria	–
35. <i>Messor structor</i> (LATREILLE, 1798)	+	+	+	–	–
36. <i>Messor muticus</i> NYLANDER, 1849	–	–	–	Hungary	–
37. <i>Messor barbarus</i> (LINNAEUS, 1767)	–	–	–	Bulgaria	–
38. <i>Messor capitatus</i> (LATREILLE, 1798)	–	–	–	Bulgaria	–
39. <i>Messor concolor</i> THOME, 1981	–	–	–	Greece	–
40. <i>Aphaenogaster subterranea</i> (LATREILLE, 1798)	–	–	–	Hungary	–
41. <i>Dolichoderus quadripunctatus</i> (LINNAEUS, 1767)	+	+	+	Hungary	–
42. <i>Tapinoma erraticum</i> (LATREILLE, 1798)	+	+	+	Hungary	–
43. <i>Tapinoma melanocephalum</i> (FABRICIUS, 1793)	–	–	–	Germany	–
44. <i>Liometopum microcephalum</i> (PANZER, 1798)	–	–	–	Hungary	–
45. <i>Bothriomyrmex menozzi</i> EMERY, 1925	–	–	–	Bulgaria, Hungary	–
46. <i>Prenolepis nitens</i> (MAYR, 1852)	+	+	+	Hungary	–
47. <i>Plagiolepis pygmaea</i> (LATREILLE, 1798)	+	+	+	–	–
48. <i>Plagiolepis vindobonensis</i> LOMNICKI, 1925	+	+	+	Hungary	–
49. <i>Camponotus truncatus</i> (SPINOLA, 1808)	+	+	+	Hungary	–
50. <i>Camponotus aethiops</i> (LATREILLE, 1798)	+	+	+	Hungary	–
51. <i>Camponotus vagus</i> (SCOPOLI, 1763)	+	+	+	–	–

Table 1 (continued)

Species	Si	Tr	Ro	Other European countries	PARASCHIVESCU (1978)
52. <i>Camponotus fallax</i> (NYLANDER, 1856)	+	+	+	Hungary	+
53. <i>Camponotus ligniperda</i> (LATREILLE, 1802)	+	+	+	-	+
54. <i>Camponotus herculeanus</i> (LINNAEUS, 1758)	-	+	+	-	Hungary
55. <i>Camponotus piceus</i> (LEACH, 1825)	-	+	+	-	Hungary
56. <i>Camponotus atricolor</i> (NYLANDER, 1849)	-	-	-	-	Croatia
57. <i>Camponotus dalmaticus</i> (NYLANDER, 1849)	-	-	-	-	Germany
58. <i>Lasius fuliginosus</i> (LATREILLE, 1798)	+	+	+	+ +	Germany, Hungary
59. <i>Lasius niger</i> (LINNAEUS, 1758)	+	+	+	-	-
60. <i>Lasius platythorax</i> SEIFFERT, 1992	-	+	+	+ +	Croatia, Hungary
61. <i>Lasius emarginatus</i> (OLIVIER, 1791)	-	+	+	+ +	-
62. <i>Lasius alienus</i> (FÖRSTER, 1850)	-	+	+	+ +	Bulgaria, Hungary
63. <i>Lasius paralienus</i> SEIFFERT, 1992	-	+	+	+ +	-
64. <i>Lasius brunneus</i> (LATREILLE, 1798)	-	+	+	+ +	Germany, Macedonia, Hungary
65. <i>Lasius flavus</i> (FABRICIUS, 1781)	-	+	+	+ +	Hungary
66. <i>Lasius myops</i> FOREL, 1894	-	+	+	-	-
67. <i>Lasius bicornis</i> FÖRSTER, 1850	-	+	+	-	-
68. <i>Lasius affinis</i> SCHEINK, 1852	-	+	+	-	-
69. <i>Lasius imbricatus</i> NYLANDER, 1846	-	+	+	-	+**
70. <i>Lasius baltanicus</i> SEIFFERT, 1988	-	+	+	-	Hungary
71. <i>Lasius distinguendus</i> (EMERY, 1916)	-	+	+	+ +	Hungary
72. <i>Formica cunicularia</i> LATREILLE, 1798	-	+	+	+ +	Serbia, Hungary
73. <i>Formica rufibarbis</i> FABRICIUS, 1793	-	+	+	+ +	-
74. <i>Formica fusca</i> LINNAEUS, 1758	-	+	+	+ +	Germany
75. <i>Formica lemani</i> BONDROIT, 1917	-	+	+	+ +	-
76. <i>Formica gagates</i> LATREILLE, 1798	-	+	+	+ +	Hungary
77. <i>Formica balcanina</i> PETROV et COLLINGWOOD, 1993	+	+	+	as <i>Formica cinerea</i>	

Table 1 (continued)

Species	Si	Tr	Ro	Other European countries	PARASCHIVESCU (1978)
78. <i>Formica polyctena</i> FÖRSTER, 1850	+	+	-	-	-
79. <i>Formica rufa</i> LINNAEUS, 1758	+	+	-	+	+
80. <i>Formica pratensis</i> RETZIUS, 1783	+	+	Bulgaria	-	-
81. <i>Formica nigricans</i> EMERY, 1909	+	+	-	-	-
82. <i>Formica truncorum</i> FABRICIUS, 1804	+	+	-	-	as <i>Formica truncicola</i>
83. <i>Formica sanguinea</i> LATREILLE, 1798	+	+	Hungary	+	+
84. <i>Polyergus rufescens</i> (LATREILLE, 1798)	+	+	Serbia, Hungary	+	+
85. <i>Cataglyphis nodus</i> (BRULLÉ, 1832)	+	+	Bulgaria, Hungary	-	as <i>Cataglyphis bicolor</i>
86. <i>Cataglyphis aenescens</i> (NYLANDER, 1849)	-	-	Hungary	+	+
Total	45	65	68	50	48

(FÖRSTER 1850). A single queen was collected from Sibiu city in 1925. It is a Western Palaearctic species, reported from several Central and Eastern European countries, and also from Southern Sweden. Generally little is known about its distribution, the data are very sporadic. Consequently, there is little information on its biology. It is an oligotopic species of deciduous forests, nesting in rotting logs and dead parts of living trees, and it has a hypogaeic life style tending root aphids. The colonies are founded by temporary parasitism of *Lasius* s. str. colonies, but the exact host is not known (CZECHOWSKI *et al.* 2002, SCHLICK-STEINER *et al.* 2003).

Some other interesting or rare species were also identified. Thus *Myrmica hellenica* FOREL, 1913 is mentioned for the second time for Romania. The presence of *Prenolepis nitens* (MAYR 1852) around Sibiu city is also worth mentioning. These are the first reliable records on the presence of this species in Transylvania. *Formica nigricans* EMERY, 1909 is one of the disputed *Formica* s. str. species, which is the sister species of *F. pratensis* RETZIUS, 1783. Though currently it is not handled as separate species, the gynes and males have such eloquent differential characters (KUTTER 1977, COLLINGWOOD 1979) that its state should be elucidated or reconsidered.

## ERRATA

After the publication of MARKÓ & Csősz (2002) the following specimens belonging to the subfamilies Dolichoderinae and Myrmicinae were found in the NVZ.

*Liometopum microcephalum* (PANZER, 1798) – 1 w, Roumanie, Comana Vlasca [Comana, Ilfov county, Romania], leg. A. L. MONTANDON, coll. NVZ.

*Myrmica hellenica* FOREL, 1913 – 1 q, Hammersdorf [Guşteriţa/Szenterzsébet, Sibiu/Nagy-szeben, Sibiu/Szeben county, RO], 19.09.1920, leg. A. MÜLLER, coll. NVZ.

*Formicoxenus nitidulus* (NYLANDER, 1846) – 2 w, Landskrone [Dealul Cetății, Tălmăciu/Nagytalmács, Sibiu/Szeben county], 27.03.1921, leg. MÜLLER, coll. NVZ [+ 1 w *Formica pratensis*].

Some of the previously imperfectly or erroneously mentioned sampling sites in MARKÓ & CSŐSZ (2002) are listed here with the right names given:

Götzenberg = Măgura Cisnădioarei, Cisnădioara/Kisdisznód, Sibiu/Szeben county, RO

Kapellenberg = Tâmpa/Cenk Mt., Brașov/Brassó, Brașov/Brassó county, RO

Langenthal/Langental = Valea Lungă/Hosszúaszó, Alba/Fehér county, RO

Naia/Naja (bei Broos) = Orăştiei/Szászvárosi Mts., Hunedoara/Hunyad county, RO

Rák Töpe/Rákoser Töpe = Negru/Töpe Peak, Racoş/Alsórákos, Brașov/Brassó county, RO

\*

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