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## DIVING BEETLES (COLEOPTERA: DYTISCIDAE) FROM THE TRANSYLVANIAN SOCIETY COLLECTION OF THE NATURAL HISTORY MUSEUM OF SIBIU (ROMANIA)

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**Abstract.** The present study, which deals with the Dytiscidae specimens preserved in the Transylvanian Society Collection of the Natural History Museum of Sibiu, represents a faunistic list of the genera and species present in this collection. The 851 specimens identified from the family Dytiscidae are Palaearctic species, belong to 125 species following the classification system proposed by Nilsson in 2010: 6 subfamilies, 14 tribes, 30 genera and 10 subgenera. This study is also a recall for researchers regarding the museum entomological collection, which was realized through the great effort of the Transylvanian Society members.

**Résumé.** L'étude en question sur les exemplaires de la famille Dytiscidae appartenant à la collection de la Société de Sciences Naturelles de Transylvanie, est une introduction qui a comme but la réactualisation de la nomenclature des genres et espèces de la famille. Les 851 exemplaires identifiés comme partie composante de la famille Dytiscidae sont des espèces paléarctiques, ils appartiennent à 125 espèces classifiées en 6 sous-familles, 14 tribus, 30 genres et 10 sous-genres, en conformité avec le système de classification proposé en 2010 par Nilsson. En plus, l'étude attire l'attention des chercheurs sur la collection entomologique du Musée d'Histoire Naturelle de Sibiu, réalisée grâce à l'effort des membres de la Société.

**Key words:** family Dytiscidae, faunistic list, Transylvanian Society Collection, Natural History Museum Sibiu.

### INTRODUCTION

This paper is based on the Transylvanian Society Collection of Natural Sciences which was established in 1849, in the same year when the Natural History Museum of Sibiu was declared open. The majority of specimens (71,567 specimens) of the collection belongs to the entomological collection of the Natural History Museum from Sibiu (Pascu & Schneider, 1998). This has an important historical and scientific-documentary value, because it is one of the oldest collections in Romania, and it includes many type species, rare and exotic, which reveal the biogeographical character of specific areas in Transylvania, but also its general character as a region. Over time, the Society Collection was not studied anymore.

The bases of the Transylvanian Society Collection of Natural Sciences were established by Karl Fuss (Fig.1), considered ever then to be the father of entomology in Transylvania region (Pascu & Schneider, op. cit.). Karl Fuss (1817-1874) contributed to the entomological collection growth through: entomological material collected in the field, especially of coleopterans, and also of hymenopterans, lepidopterans, orthopterans and heteropterans. He was influenced by Johann Josef Roth, the first one who studied scientifically the coleopterans in Transylvania; Fuss gave up flora studies which he started together with his brother Michael Fuss, and begun to study the entomofauna from Transylvania region (Schneider & Stamp, 1970).

Among the many articles he published in the Journal of the Transylvanian Society of Natural Sciences (*Siebenbürgischer Verein für Naturwissenschaften zu Hermannstadt*) and in the Society Archive for Transylvanian Research (*Archiv des Vereins für siebenbürgische Landeskunde*), there are some which have not lost their scientific value, for example the *Catalogue of Transylvanian Coleopterans* which indicates the exact location where the specimens were collected (*Verzeichnis der Käfer Siebenbürgens nebst Angabe ihrer Fundorte*) (Antonie, 2004). Karl Fuss has described several species of insects (coleopterans, orthopterans) and gastropods new to science, discovered in Transylvania region.

Another member of the Society, who stood out through his work dedicated to the collecting of coleopterans and the enriching of the museum collection, was the scholar inspector Eduard Albert Bielz (1827-1898). In 1860, he donated his collection to the Society which includes 60 cases (Pascu & Schneider, op. cit.). In 1850, E. A. Bielz (Fig. 1) was the first who published in the Association Journal "*Verhandlungen und Mitteilungen*" the first catalogue of coleopteran species of the Transylvanian fauna (Ieniște, 1970). The second catalogue of Transylvanian coleopterans was published by Karl Fuss, in 1869, presenting addition to that of E. A. Bielz's, the collecting sites of the species, in the case when this piece of information was known.



Karl Fuss (1817-1874)



Eduard Albert Bielz (1827-1898)

Fig. 1 - The Society members that contributed with the collecting of Dytiscidae from the Transylvanian Society Collection of Natural Science.

Others who donated their own coleopteran collections to the Society and thus contributed to the expansion of the collection, we can mention: Friedrich Birthler from Reghin, Friedrich Deubel from Brașov, Karl Petri from Sighișoara who, together with Friedrich Deubel, are recognized as leading European coleopterologists (Schneider & Stamp, 1970), and Moritz von Kimakovicz from Sibiu, etc.

Friedrich Deubel (1845-1933) from Brașov was also a passionate collector, who provided the Society with very rich and valuable entomological material, which he collected with strictness from Brașov and its surroundings, and from different

mountain ranges. Based on his work, Fr. Deubel together with Karl Holdhaus published the paper "*Untersuehungen über die Zoogeographie der Karpathen*" the first of its kind which still retains its full value until today (Ieniştea, 1970).

Karl Robert Petri (1852-1932) from Sighişoara spent his life interested in enriching the Library of the Transylvanian Society for Natural Science with valuable publications. The catalogue of coleopterans from Transylvania region published in Sibiu, in 1925, is considered his most important work. Among his many publications, the paper "*Additions and corrections on the coleopterans fauna from Transylvania*", published in the "*Verhandlungen und Mitteilungen des siebenbürgischen Vereins für Naturwissenschaften*" from Sibiu, still retains its value even today. The publication was written together with Fr. Deubel, E. Worell and A. Müller (Antonie, 2004).

The present study conducted on the family Dytiscidae Leach, 1815, belonging to the Society Collection, represents a faunistic list of the genera and species present in this collections. This study is also a recall for researchers regarding the museum entomological collection, which was created through the great effort of the Society members.

#### MATERIAL

The faunistic list, based on the entomological material from the Natural History Museum of Sibiu, presents the number of specimens followed by the collecting sites, date and collectors' names mentioned in brackets. The collecting sites are written as they appear on the labels (in square brackets-explanations); where it is necessary, the Romanian localities are followed by the official Romanian name and also by the name of the administrative district (county) (in square brackets). For an easy identification by the specialists, the synonyms of the species are also mentioned in square brackets, because, in the collection, there are species that has the old taxonomy written on labels.

The updated species list of coleopterans was done after Nilsson, 2001, 2003 and after the online update Nilsson, 2010 - Catalogue of Palearctic Dytiscidae (Coleoptera).

Abbreviations used in the faunistic list:

spec/s. = specimen/s; det. = identified; Mts.= Mountains; RO = Romania.

Family Dytiscidae Leach, 1815  
Subfamily Hydroporinae Aubé, 1836  
Tribe Bidessini Sharp, 1882  
Genus *Bidessus* Sharp, 1882

*Bidessus delicatulus* (Schaum, 1844)

1 spec., Tirol [Austria], 1858 (E. A. Bielz).

*Bidessus nasutus* Sharp, 1887

6 specs, Banat [Banat region, RO], 9.III.1884, det. Birthler, 1895; 5 specs, Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Ungaria de nord [North Hungary] (Reitter); 1 spec., without location (Dr. E. Kiss).

*Bidessus unistriatus* (Goeze, 1777)

1 spec., Tirol [Austria], 1858 (E. A. Bielz); 1 spec., Banat [Banat region, RO], 9.III.1884, det. Birthler, 1895; 1 spec., Transilvania [Transylvania, RO], 1858 (E. A. Bielz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

Genus *Hydroglyphus* Motschulsky, 1853*Hydroglyphus confusus* (Klug, 1834)

3 specs, Karmel, Palestina [Palestine], 19.VII.1928 (Dr. A. Müller).

*Hydroglyphus geminus* (Fabricius, 1792)

8 specs, Banat [Banat region, RO], det. Birthler, 1895; 3 specs, Transilvania [Transylvania, RO], det. Birthler, 1895; 6 specs, Reghin [Mureş county, RO], det. Birthler, 1895; 2 specs, Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 4 specs, Sibiu [Sibiu county, RO], IX.1885 (Kimakovicz); 5 specs, Sibiu [Sibiu county, RO], 2.VIII.1886 (Kimakovicz); 3 specs, Orlat [Sibiu county, RO] (R. Albrecht); 11 specs, Ocna Sibiului [Sibiu county, RO], 20.VIII.1900 (Kimakovicz); 8 specs, Ocna Sibiului [Sibiu county] (Kimakovicz).

## Tribe Hydroporini Aubé, 1836

Genus *Deronectes* Sharp, 1882*Deronectes latus* (Stephens, 1828)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

*Deronectes opatrinus* (Germar, 1824)

1 spec., Franța [France], 1858 (E. A. Bielz).

*Deronectes platynotus platynotus* (Germar, 1834)

3 specs, Germania [Germany], 1858 (E. A. Bielz).

Genus *Graptodytes* Seidlitz, 1887*Graptodytes bilineatus* (Sturm, 1835)

1 spec., Tirol [Austria], 1858 (E. A. Bielz); 3 specs, Buda [Hungary], det. Birthler 1895; 5 specs, Banat [Banat region, RO], det. Birthler, 1895; 2 specs, Banat [Banat region, RO], 9.III.1884, det. Birthler 1895.

*Graptodytes flavipes* (Olivier, 1795)

1 spec., Turcia [Turkey] (E. A. Bielz).

*Graptodytes granularis* (Linnaeus, 1767)

1 spec., Germania [Germany], 1858 (E. A. Bielz); 1 spec., Germania [Germany]; 1 spec., Somogy [Somogy county, Hungary]; 3 specs, Transilvania [Transylvania region, RO], det. Birthler, 1895; 2 specs, Sibiu [Sibiu county, RO], IX.1885 (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO], 30.VII.1886 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO], 25.IV.1887 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz), 1821; 1 spec. [*Graptodytes granularis* v. *suturalis* P. W. J. Müller], Germania [Germany], 1858 (E. A. Bielz).

*Graptodytes pictus* (Fabricius, 1787)

2 specs, Bohemia [Bohemia region, Central Europe], det. Birthler, 1895; 2 specs, Trencsén [Trencsén county, Slovakia] (Dr. Brancsik); 1 spec., Zsolna [Jelna, Bistrița-Năsăud county, RO]; 4 specs, Gușterița [Sibiu county, RO], 4.V.1889 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 2.VIII.1886 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 15.X.1900 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO] (R. Albrecht).

*Graptodytes varius* (Aubé, 1838)

1 spec., Spania [Spain], 1858 (E. A. Bielz) – 70% destroyed.

Genus *Hydroporus* Clairville, 1806*Hydroporus angustatus* Sturm, 1835

1 spec., Germania [Germany] (Reitter); 1 spec., Banat [Banat region, RO]; 1 spec., Banat [Banat region, RO], 10.VI.1885, det. Birthler, 1895; 1 spec., Brașov Gespreng [hill in Brașov, Brașov county] (F. Deubel); 2 specs, Râul Olt [Olt River] (F. Deubel); 2 specs, Sibiu [Sibiu county, RO], 2.VIII.1886 (Kimakovicz); 5 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz).

*Hydroporus discretus discretus* Fairmaire & Brisout, 1859

1 spec., Sighișoara [Mureș county, RO] (Dr. K. Petri).

*Hydroporus elongatulus* Sturm, 1835

1 spec., Germania [Germany], 1858 (E. A. Bielz).

*Hydroporus erythrocephalus* (Linnaeus, 1758)

1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 6 specs, Transilvania, Cincul Mare [Transylvania region, Brașov county, RO]; 1 spec., Sibiu, 1.X.1883 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 15.X.1900 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

*Hydroporus marginatus* (Duftschmid, 1805)

1 spec., Tirol [Austria], 1858 (E. A. Bielz).

*Hydroporus melanarius* Sturm, 1835

1 spec., Paskau [Paskov, Czech Republic] (Reitter).

*Hydroporus memnonius* Nicolai, 1822

4 specs, Germania [Germany], 1858 (Bielz).

*Hydroporus morio* Aubé, 1838

1 spec., Tirol [Austria], 1858 (E. A. Bielz).

*Hydroporus nigrita* (Fabricius, 1792)

3 specs, Transilvania [Transylvania region, RO], 1858 (Bielz); 2 specs, Reghin [Bistrița-Năsăud county, RO], det. Birthler, 1895.

*Hydroporus notatus* Sturm, 1835

4 specs, Germania [Germany], 1858 (E. A. Bielz).

*Hydroporus palustris* (Linnaeus, 1761)

1 spec., Germania [Germany]; 1 spec., Austria [Austria]; 2 specs, România [RO] (Reitter); 1 spec., Vienna [Wien, Austria], ?..II.1907; 2 specs, Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., Racoșul de Jos [Brașov county, RO] (F. Deubel); 1 spec., Ocna Sibiului [Sibiu county, RO], 20.VIII.1900 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO] (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 30.VI.1888 (Kimakovicz); 5 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 5 specs, ? Banat [Banat region, RO], det. Birthler, 1895; 1 spec., [*Hydroporus palustris* v. *lituratus* Panz.] Spania [Spain], 1858 (E. A. Bielz).

*Hydroporus planus* (Fabricius, 1781)

1 spec., Thüringen [Austria ?] (Max v. Hopfgarten), det. Birthler, 1895; 4 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 10 specs, Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., Brașov Gespreng [hill in Brașov, Brașov county, RO] (F. Deubel); 1 spec., Râul Olt [Olt River] (F. Deubel).

*Hydroporus pubescens* (Gyllenhal, 1808)

1 spec., Germania [Germany], det. Birthler, 1895; 1 spec., Steiermark [Austria] (Prof. Sajó); 8 specs, Banat [Banat region, RO], det. Birthler, 1895; 2 specs, Transilvania [Transylvania region], 1858 (E. A. Bielz); 1 spec., Grădina Botanică [Cluj Botanical Garden, Cluj county, RO], 25.IX.?? (Dr. K. Petri); 2 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO], 10.VIII.1888 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO], 25.X.1889 (Kimakovicz); 5 specs, Sibiu [Sibiu county, RO], 10.III.1890 (Kimakovicz).

*Hydroporus rufifrons* (O. F. Müller, 1776)

1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz).

*Hydroporus scalesianus* Stephens, 1828

3 specs, Germania [Germany], 1858 (E. A. Bielz).

*Hydroporus tristis* (Paykull, 1798)

2 specs, Germania [Germany], 1858 (E. A. Bielz).

*Hydroporus umbrosus* (Gyllenhal, 1808)

2 specs, Germania [Germany], 1858 (E. A. Bielz).

Genus *Suphrodytes* Gozis, 1914*Suphrodytes dorsalis* (Fabricius, 1787)

3 specs, Ungaria [Hungary], 1858 (E. A. Bielz).

Genus *Stictotarsus* Zimmermann, 1919*Stictotarsus duodecimpustulatus* (Fabricius, 1792)

2 specs, Franța, Gallia [France], 1858 (E. A. Bielz); 1 spec., Gallia [France] (Merkel), det. Birthler, 1895.



Genus *Nebrioporus* Régimbart, 1906*Nebrioporus assimilis* (Paykull, 1798)

1 spec., Tirol [Austria], 1858 (E. A. Bielz).

*Nebrioporus canaliculatus* (Lacordaire, 1835)

1 spec., Spania [Spain], 1858 (E. A. Bielz).

*Nebrioporus ceresyi* (Aubé, 1838)

1 spec., Turcia [Turkey] (E. A. Bielz).

*Nebrioporus depressus* (Fabricius, 1775)

1 spec., Germania [Germany] (Prof. Sajó); 1 spec., Rusia [Russia], 1858 (E. A. Bielz).

*Nebrioporus elegans* (Panzer, 1794)

2 specs, Tirol [Austria], 1858 (E. A. Bielz); 2 specs, Germania [Germany], 1858 (E. A. Bielz); 2 specs, Franța [France], 1858 (E. A. Bielz).

Genus *Oreodytes* Seidlitz, 1887*Oreodytes alpinus* (Paykull, 1798)

1 spec., Suedia [Sweden], 1858 (E. A. Bielz).

*Oreodytes davisii davisii* (Curtis, 1831)

1 spec., Franța [France], 1858 (E. A. Bielz).

*Oreodytes sanmarkii sanmarkii* (C. R. Sahlberg, 1826)

1 spec., Besciden [Beskidy Mts, Czech Republic] (Reitter).

*Oreodytes septentrionalis* (Gyllenhal, 1826)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

Genus *Porhydrus* Guignot, 1945*Porhydrus lineatus* (Fabricius, 1775)

2 specs, Moravia [Moravia region, Czech Republic] (Reitter); 3 specs, Buda [Hungary]; 8 specs, Banat [Banat region, RO], det. Birthler, 1895; 5 specs, Banat [Banat region, RO], 9.III.1884, det. Birthler, 1895; 4 specs, Banat [Banat region, RO], 12.VI.1884; 4 specs, without location; 1 spec., Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 2 specs, Râul Olt [Olt River, RO] (F. Deubel); 1 spec., Brăila, Dunăre [Brăila county, Danube River, RO], 14.VII.1927 (Dr. A. Müller).

*Porhydrus obliquesignatus* (Bielz, 1852)

2 specs, Banat [Banat region, RO] (Birthler); 8 specs, Banat [Banat region, RO], 9.III.1884; 9 specs, Banat [Banat region, RO]; 3 specs, Buda [Hungary]; 1 spec., without location.

Genus *Scarodytes* Gozis, 1914*Scarodytes halensis halensis* (Fabricius, 1787)

1 spec., împrejurimi Viena [Wien surroundings, Austria] (Reitter); 1 spec., Zara (?) (Dr. A. Müller); 2 specs, Somogym (?); 3 specs, Banat [Banat county, RO], det. Birthler, 1895; 17 specs, Reghin [Bistrița-Năsăud county, RO], det. Birthler, 1895.

Genus *Stictonectes* Brinck, 1943*Stictonectes lepidus* (Olivier, 1795)

3 specs, Franța [France], 1858 (E. A. Bielz).

## Tribe Hydrovatini Sharp, 1882

Genus *Hydrovatus* Motschulsky, 1853*Hydrovatus clypealis* Sharp, 1876

1 spec., Gallia [France] (Dobiasch).

*Hydrovatus cuspidatus* (Kunze, 1818)

1 spec., Styria [Austria], 1858 (E. A. Bielz).

## Tribe Hygrotini Portevin, 1929

Genus *Herophydrus* Sharp, 1882*Herophydrus musicus* (Klug, 1834)

1 spec., Egipt [Egypt] (Reitter).

Genus *Hygrotus* Stephens, 1828Subgenus *Coelambus* Thomson, 1860*Hygrotus (Coelambus) confluens* (Fabricius, 1787)

1 spec., Moravia [Moravia region, Czech Republic] (Reitter); 1 spec., Transilvania [Transylvania region, RO], 1858 (Bielz).

*Hygrotus (Coelambus) enneagrammus* (Ahrens, 1833)

8 specs, Ocna Sibiului [Sibiu county, RO], 25.VII.1896 (Czekelius); 4 specs, Ocna Sibiului [Sibiu county, RO], 20.VIII.1900 (Kimakovicz); 1 spec., Ocna Sibiului [Sibiu county, RO] (R. Albrecht).

*Hygrotus (Coelambus) impressopunctatus* (Schaller, 1783)

1 spec., Moravia [Moravia region, Czech Republic] (Reitter); 1 spec., without location, 20.IV.1880; 2 specs, Buda [Hungary]; 1 spec., Debrecen [Hungary]; 4 specs, Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Zălău [Zalău, Sălaj county, RO] (Dr. E. Kiss); 1 spec., Brașov Gespreng [hill in Brașov, Brașov county, RO] (F. Deubel); 2 specs, Sibiu [Sibiu county, RO], IX.1893 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO], 15.X.1899 (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO], 15.X.1900 (Kimakovicz); 1 spec., [*Coelambus impressopunctatus* var. *lineellus* Gyll.] Vrșac [Serbia], VII.1909; 1 spec., Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., Râul Olt [Olt River, RO] (F. Deubel); 4 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO], 10.VIII.1888 (Kimakovicz).



*Hygrotus (Coelambus) parallelogrammus* (Ahrens, 1812)

3 specs, Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz).

*Hygrotus (Coelambus) polonicus polonicus* (Aubé, 1842)

1 spec., Rusia de sud [South Russia], 1858 (E. A. Bielz).

Subgenus *Hygrotus* Stephens, 1828*Hygrotus (Hygrotus) decoratus* (Gyllenhal, 1810)

1 spec., Germania [Germany]; 1 spec., Berlin [Germany], 29.VII.1905; 2 specs, Banat [Banat region, RO]; 5 specs, Sibiu [Sibiu county, RO], 2.VIII.1888 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO], 15.X.1900 (Kimakovicz); 6 specs, Sibiu [Sibiu county, RO] (Kimakovicz).

*Hygrotus (Hygrotus) inaequalis* (Fabricius, 1777)

1 spec., Moravia [Moravia region, Czech Republic] (Reitter); 2 specs, Banat [Banat region, RO]; 1 spec., Zălău [Zalău, Sălaj county, RO] (Dr. E. Kiss); 1 spec., Ocna Sibiului [Sibiu county, RO], 20.VIII.1900 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], X.1883 (Kimakovicz); 5 specs, Sibiu [Sibiu county, RO] (Kimakovicz); 15 specs, Sibiu [Sibiu county, RO], 10.VIII.1888 (Kimakovicz).

*Hygrotus (Hygrotus) versicolor* (Schaller, 1783)

1 spec., Kalocsa [Călăcea, Timiș county, RO] (Dr. E. Kiss); 5 specs, Banat [Banat region, RO], det. Birthler, 1895.

## Tribe Hyphydrini Sharp, 1882

Genus *Hyphydrus* Illiger, 1802*Hyphydrus aubei* Ganglbauer, 1891

1 spec., Gallia, Franța [France] (Dobiasch), det. Birthler, 1895.

*Hyphydrus ovatus* (Linnaeus, 1761)

1 spec., Camiolia [Austria], 1858 (E. A. Bielz); 2 specs, Buda [Hungary]; 2 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Altfluss [Olt River, RO] (Deubel).

## Subfamily Laccophilinae Gistel, 1856

## Tribe Laccophilini Gistel, 1856

Genus *Laccophilus* Leach, 1815*Laccophilus hyalinus* (DeGeer, 1774)

1 spec., Sibiu [Sibiu county, RO], 30.VII.1886 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 27.III.1888 (Kimakovicz); 2 specs, Sibiu [Sibiu county, RO], 10.VIII.1889 (Kimakovicz); 1 spec., Spania [Spain], 1858 (E. A. Bielz); 1 spec., Palestina, El-Ghov, Jericho [Palestine], 7-8.VII.1928 (Dr. A. Müller); 4 specs, Betlehem, Salamon's Lake [Palestine], 5.VIII.1928 (Dr. A. Müller).

*Laccophilus minutus* (Linnaeus, 1758)

1 spec., Germania [Germany], det. Birthler, 1895; 1 spec., Paskau [Paskov, Czech Republic] (Reitter); 2 specs, Buda [Hungary]; 1 spec., without location; 15 specs,

Banat [Banat region, RO], det. Birthler, 1895; 1 spec., eleşteu Cisnădie [Cisnădie pond, Sibiu county, RO], ?.VII.1932 (Dr. A. Müller); 9 specs, eleşteu Cisnădie [Cisnădie pond, Sibiu county, RO], ?.VIII.1932 (Dr. A. Müller); 10 specs, Guşteriţa [Sibiu county, RO], 9.V.1889 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 2.VIII.1886 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 10.VIII.1889 (Kimakovicz); 4 specs, Sibiu [Sibiu county, RO], 25.VIII.1900 (Kimakovicz); 3 specs, Ocna Sibiului [Sibiu county, RO], 20.VIII.1900 (Kimakovicz); 1 spec., Ocna Sibiului [Sibiu county, RO] (R. Albrecht); 2 specs, Cluj [Cluj county, RO]; 1 spec., Buda [Hungary]; 2 specs, Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 2 specs, Braşov Gespreng [hill in Braşov, Braşov county, RO] (F. Deubel); 5 specs, Guşteriţa [Sibiu county, RO], 9.V.1889 (Kimakovicz); 2 specs, eleşteu Cisnădie [Cisnădie pond, Sibiu county, RO], ?.VIII.1932 (Dr. A. Müller); 1 spec., Orlat [Sibiu county, RO] (R. Albrecht).

*Laccophilus poecilus* Klug, 1834

1 spec., Tirol [Austria], 1858 (E. A. Bielz); 2 specs, Buda [Hungary]; 2 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., without location.

Subfamily Agabini Thomson, 1867

Tribe Agabini Thomson, 1867

Genus *Agabus* Leach, 1817

Subgenus *Acatodes* Thomson, 1859

*Agabus (Acatodes) clypealis* (Thomson, 1867)

1 spec., Suedia [Sweden], det. Birthler, 1895.

*Agabus (Acatodes) confinis* (Gyllenhal, 1808)

1 spec., Europa de Nord [North Europe], 1858 (E. A. Bielz).

*Agabus (Acatodes) congener* (Thunberg, 1794)

2 specs, Germania [Germany], 1858 (E. A. Bielz); 1 spec., Styria [Austria] (Reitter).

*Agabus (Acatodes) fuscipennis* (Paykull, 1798)

2 specs, Germania [Germany], 1858 (E. A. Bielz).

*Agabus (Acatodes) sturmii* (Gyllenhal in Schönherr, 1808)

1 spec., Germania [Germany] (Prof. Sajó); 1 spec., Tirol [Austria], 1858 (E. A. Bielz).

Subgenus *Agabus* Leach, 1817

*Agabus (Agabus) labiatus* (Brahm, 1790)

2 specs, Germania [Germany], 1858 (E. A. Bielz); 1 spec., Potsdam [Germany]; 1 spec., Buda [Hungary].

*Agabus (Agabus) uliginosus* (Linnaeus, 1761)

5 specs, Sibiu [Sibiu county, RO] (R. Albrecht).

*Agabus (Agabus) undulatus* (Schränk, 1776)

1 spec., Franța [France] (Merkel); 1 spec., Tirol [Austria], 1858 (E. A. Bielz); 1 spec., Buda [Hungary]; 1 spec., Banat [Banat region, RO]; 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Mezöség [Transylvanian Plain].

Subgenus *Gaurodytes* Thomson, 1859*Agabus (Gaurodytes) affinis* (Paykull, 1798)

1 spec., Banat [Banat region, RO], det. Birthler, 1895.

*Agabus (Gaurodytes) biguttatus* (Olivier, 1795)

1 spec., Transilvania [Transylvania region, RO], det. Birthler, 1895; 1 spec., Spania [Spain], 1858 (E. A. Bielz); 2 specs, Germania [Germany], 1858 (E. A. Bielz); 1 spec., Zălău [Zalău, Sălaj county] (Dr. E. Kiss); 1 spec., Croația [Croatia] (E. A. Bielz).

*Agabus (Gaurodytes) bipustulatus* (Linnaeus, 1761)

1 spec., Germania [Germany]; 3 specs, Hadad [Hodod, Sălaj county, RO] (Dr. E. Kiss); 3 specs, Grădina Botanică Cluj [Cluj Botanical Garden, Cluj county, RO], 25.IX.?? (Dr. K. Petri); 1 spec., Râu Olt [Olt River, RO] (F. Deubel); 1 spec., Munții Brașov [Brașov Mts, RO] (F. Deubel); 2 specs, Șerbota [Șerbota Mts, RO], 23.VII.1905 (Dr. K. Petri); 3 specs, Iaru, Munții Cibin [Cibin Mts., RO], 5.V.1887 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 25.X.1889 (Kimakovicz); 1 spec., without location; 2 specs, Podragu [Podragu Lake, RO], ?.?.1904; 1 spec., Bălea Lac [Bălea Lake, RO], ?.X.1909; 2 specs, Bălea Lac [Bălea Lake, RO] (R. Albrecht); 2 specs, Munții Sadu [Sadu Mts. RO].

*Agabus (Gaurodytes) brunneus* (Fabricius, 1798)

2 specs, Styria [Austria], 1858 (E. A. Bielz); 1 spec., Franța [France], 1858 (E. A. Bielz).

*Agabus (Gaurodytes) conspersus* (Marsham, 1802)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

*Agabus (Gaurodytes) didymus* (Olivier, 1795)

1 spec., Germania [Germany] (Reitter).

*Agabus (Gaurodytes) dilatatus* (Brullé, 1832)

1 spec., Styria [Austria], 1858 (E. A. Bielz).

*Agabus (Gaurodytes) guttatus guttatus* (Paykull, 1798)

3 specs, Germania [Germany], det. Birthler, 1895; 2 specs, Tirol [Austria], 1858 (E. A. Bielz); 1 spec., Besciden [Beskidy Mts, Czech Republic] (Reitter); 1 spec., Buda [Hungary]; 1 spec., Prejba [Prejba Mts., RO], 15.V.1887 (Kimakovicz); 3 specs, Munții Cibin [Cibin Mts, RO] (R. Albrecht); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

*Agabus (Gaurodytes) nebulosus* (Forster, 1771)

1 spec., Germania [Germany], 1858 (E. A. Bielz); 1 spec., Tirol [Austria], 1858 (E. A. Bielz).

*Agabus (Gaurodytes) paludosus* (Fabricius, 1801)

1 spec., Germania [Germany], det. Birthler, 1895; 2 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Reghin [Bistrița – Năsăud county, RO].

Genus *Ilybius* Erichson, 1832*Ilybius aenescens* Thomson, 1870

1 spec., Silezia [Silezia region, Poland, Czech Republic], det. Dr. E. Kiss.

*Ilybius angustior* (Gyllenhal, 1808)

1 spec., Ungaria [Hungary], 1858 (E. A. Bielz).

*Ilybius ater* (DeGeer, 1774)

1 spec., Sibiu [Sibiu county, RO] (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 2.VIII.1886 (Kimakovicz); 1 spec., without location.

*Ilybius chalconatus* (Panzer, 1796)

(=*Agabus chalconotus* Panz.)

3 specs, Germania [Germany], 1858 (E. A. Bielz); 1 spec., Germania [Germany] (Prof. Sajó); 1 spec., Veszprén [Hungary] (Dr. E. Kiss).

*Ilybius fenestratus* (Fabricius, 1781)

1 spec., Banat [Banat region, RO], 28.V.1884, det. Birthler, 1895; 1 spec., Germania [Germany] (Merkl), det. Birthler, 1895; 1 spec., without location.

*Ilybius fuliginosus fuliginosus* (Fabricius, 1792)

1 spec., Germania [Germany], det. Birthler, 1895; 4 specs, Bohemia Franzensbad [Bohemia region, Czech Republic] (Dr. K. Petri); 1 spec., Zălău [Zalău, Sălaj county, RO] (Dr. E. Kiss); 5 specs, Reghin [Bistrița – Năsăud county, RO], det. Birthler, 1895; 1 spec., Băile Kéroly [Kéroly Baths, Hungary], 1886, det. Birthler 1895; 1 spec., Brașov Gespreng [hill in Brașov, Brașov county, RO] (F. Deubel); 1 spec., Râul Olt [Olt River, RO] (F. Deubel); 1 spec., Sibiu [Sibiu county, RO], 15.X.1900 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

*Ilybius guttiger* (Gyllenhal, 1808)

1 spec., Ungaria [Hungary], 1858 (E. A. Bielz); 1 spec., Pommern, Goeslin (Lüllwitz) [Pomerania region, Poland].

*Ilybius quadriguttatus* (Lacordaire, 1835)

1 spec., without location; 1 spec., Banat [Banat region, RO], det. Dr. E. Kiss; 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz).

*Ilybius subaeneus* Erichson, 1837

1 spec., Styria [Austria], 1858 (E. A. Bielz); 1 spec., Cspel [Cerva, Italy], det. Dr. E. Kiss; 1 spec., Banat [Banat region, RO], ?X.1884, det. Dr. E. Kiss; 1 spec., Banat

[Banat region, RO], 2.IV.1884, det. Dr. E. Kiss; 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Zălău [Zalău, Sălaj county, RO] (Dr. E. Kiss); 2 specs, Sibiu [Sibiu county, RO] (R. Albrecht); 1 spec., Siberia [Siberia region]; 1 spec., Troyzkossawsk, 15.VIII.1916 (M. Roth).

*Ilybius subtilis* (Erichson, 1837)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

Genus *Platambus* Thomson, 1859

*Platambus maculatus* (Linnaeus, 1758)

1 spec., Germania [Germany], det. Birthler, 1895; 1 spec., împrejurimi Berlin [Berlin surroundings, Germany], 9.VII.1905; 1 spec., Paskau [Paskov, Czech Republic] (Reitter); 1 spec., Debrecen [Hungary]; 1 spec., Rastolița [Mureș county, RO], det. Birthler, 1895; 1 spec., Ghimbav [Brașov county, RO] (F. Deubel); 5 specs, Râu de Mori [Hunedoara county, RO], VII.1904 (Dr. K. Petri); 2 specs, Vargyas [Vârghiș, Covasna county, RO], 15.VI.1902 (F. Deubel); 2 specs, Turnu Roșu [Sibiu county, RO], 22.III.1891 (Kimakovicz); 1 spec., Turnu Roșu [Sibiu county, RO], 1908; 1 spec., Sibiu [Sibiu county, RO], 25.X.1883 (Kimakovicz).

Subfamily Colymbetinae Erichson, 1837

Tribe Colymbetini Erichson, 1837

Genus *Colymbetes* Clairville, 1806

*Colymbetes fuscus* (Linnaeus, 1758)

2 specs, Ungvár [Ukraine] (Prof. Sajó); 1 spec., Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Reghin [Bistrița-Năsăud county, RO] (Birthler); 1 spec., Cislădie (Swimming School) [Sibiu county, RO], VIII.1924 (Dr. A. Müller); 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz); 1 spec., Sibiu ("Fleischerwiese") [Sibiu county, RO] (Dr. D. Czekelius); 1 spec., Ocna Sibiului [Sibiu county, RO] (R. Albrecht).

*Colymbetes paykulli* Erichson, 1837

3 specs, Ungaria [Hungary], 1858 (E. A. Bielz); 1 spec., Prusia vestică [Western Prussia, Poland] (Reitter).

*Colymbetes striatus* (Linnaeus, 1758)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

Genus *Meladema* Laporte, 1835

*Meladema coriacea* Laporte, 1835

1 spec., Styria [Austria], 1858 (E. A. Bielz).

Genus *Rhantus* Dejean, 1833

Subgenus *Nartus* Zaitzev, 1907

*Rhantus (Nartus) grapii* (Gyllenhal, 1808)

1 spec., Ungaria [Hungary], 1858 (E. A. Bielz), 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

Subgenus *Rhantus* Dejean, 1833

*Rhantus (Rhantus) bistriatus* (Bergsträsser, 1778)

1 spec., Ungaria [Hungary], 1858 (E. A. Bielz).

*Rhantus (Rhantus) consputus* (Sturm, 1834)

1 spec., Styria [Austria], 1858 (E. A. Bielz).

*Rhantus (Rhantus) exsoletus* (Forster, 1771)

1 spec., Pommern Coeslin (Lüllwitz) [Pomerania region, Poland]; 1 spec., Buda [Hungary] (Dr. E. Kiss); 1 spec., Banat [Banat region, RO], det. Birthler, 1895; 2 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht); 2 specs, Kalocza [Călăcea, Timiș county] (Prof. Sajó); 1 spec., Buda [Hungary] (Dr. E. Kiss).

*Rhantus (Rhantus) frontalis* (Marsham, 1802)

1 spec., Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., [*Rhantus notatus* v. *virgulatus* Ill.], Styria [Austria], 1858 (E. A. Bielz).

*Rhantus (Rhantus) notaticollis* (Aubé, 1837)

1 spec., Germania [Germany], 1858 (E. A. Bielz).

*Rhantus (Rhantus) suturalis* (W. S. Macleay, 1825)

1 spec., Bohemia [Bohemia region, Czech Republic], det. Birthler, 1895; 1 spec., Buda [Hungary]; 1 spec., Transilvania [Transylvania region], det. Birthler, 1895; 1 spec., Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., Sibiu [Sibiu county, RO], 25.IV.1887 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 25.X.1889 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 25.VIII.1900 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO], 25.X.1900 (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO] (R. Albrecht).

## Subfamily Copelatinae Branden, 1884

## Tribe Copelatini Branden, 1885

Genus *Liopterus* Dejean, 1833*Liopterus haemorrhoidalis* (Fabricius, 1787)

1 spec., Neubabelsberg lângă Berlin [Neubabelsberg near Berlin, Germany], 29.IV.1905; 1 spec., Buda [Hungary]; 11 specs, Banat [Banat region, RO], det. Birthler, 1895; 6 specs, Banat [Banat region, RO], 9.III.1884, det. Birthler, 1895; 1 spec., Hadad [Hodod, Satu Mare county, RO] (Dr. E. Kiss); 1 spec., Râul Olt [Olt River, RO] (F. Deubel); 2 specs, Sibiu [Sibiu county, RO], IX.1885 (Kimakovicz).

## Subfamily Dytiscinae Leach, 1815

## Tribe Eretini Crotch, 1873

Genus *Eretes* Laporte, 1833*Eretes sticticus* (Linnaeus, 1767)

1 spec., Spania [Spain], 1858 (E. A. Bielz); 2 specs, Algier [Alger, Algeria] (E. A. Bielz).

## Tribe Hydaticini Sharp, 1882

Genus *Hydaticus* Leach, 1817Subgenus *Prodaticus* Sharp, 1882 (= *Guignotites* Brinck, 1943)*Hydaticus (Prodaticus) grammicus* (Germar, 1827)

1 spec., Tirol [Austria], 1858 (E. A. Bielz).



Subgenus *Hydaticus* Leach, 1817*Hydaticus (Hydaticus) continentalis* J. Balfour-Browne, 1944

1 spec., without location (Dr. E. Kiss); 1 spec., Ungaria [Hungary], 1858 (E. A. Bielz).

*Hydaticus (Hydaticus) seminiger* (DeGeer, 1774)

1 spec., Banat [Banat region, RO], det. Birthler, 1895; 2 specs, Munții Brașov [Brașov Mts, RO] (F. Deubel); 2 specs, Sibiu [Sibiu county, RO] (R. Albrecht).

*Hydaticus (Hydaticus) transversalis transversalis* (Pontoppidan, 1763)

1 spec., Pommern Coeslin (Lüllwitz) [Pomerania region, Poland]; 1 spec., Austria [Austria], VII.1890 (Kimakovicz); 2 specs, Buda [Hungary] (Dr. E. Kiss); 2 specs, Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Râul Olt [Olt River, RO] (F. Deubel); 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz), 1895.

## Tribe Aciliini Thomson, 1867

Genus *Graphoderus* Dejean, 1833*Graphoderus austriacus* (Sturm, 1834)

1 spec., Buda [Hungary] (Dr. E. Kiss); 1 spec., Banat [Banat region, RO], det. Birthler, 1895; 4 specs, Sibiu [Sibiu county, RO] (Kimakovicz), det. Birthler, 1895; 1 spec., Sibiu [Sibiu county, RO], X.1893; 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz); 1 spec., Sibiu [Sibiu county, RO].

*Graphoderus bilineatus* (DeGeer, 1774)

1 spec., Germania [Germany] (Reitter).

*Graphoderus cinereus* (Linnaeus, 1758)

1 spec., Germania [Germany] (Prof. Sajó); 1 spec., Buda [Hungary] (Dr. E. Kiss); 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Transilvania [Transylvania region, RO] (Herbert).

*Graphoderus zonatus zonatus* (Hoppe, 1795)

2 specs, Germania [Germany], 1858 (E. A. Bielz).

Genus *Acilius* Leach, 1817Subgenus *Acilius* Leach, 1817*Acilius (Acilius) canaliculatus* (Nicolai, 1822)

2 specs, Germania [Germany], 1858 (E. A. Bielz).

*Acilius (Acilius) sulcatus* (Linnaeus, 1758)

1 spec., Germania [Germany] (Reitter); 1 spec., Hadad [Hodod, Satu Mare county RO] (Dr. E. Kiss); 1 spec., Zălău [Zalău, Sălaj county, RO] (Dr. E. Kiss); 1 spec., Râul Olt [Olt River, RO] (F. Deubel); 2 specs, Sibiu [Sibiu county, RO], ?.VII.1889 (Kimakovicz), Sibiu [Sibiu county, RO], 25.VI.1887 (Kimakovicz); 3 specs, Sibiu [Sibiu county, RO] (Kimakovicz); 1 spec., împrejurime Sibiu [Sibiu surroundings, Sibiu county, RO], VIII.1936 (K. Orendi); 1 spec., Sibiu [Sibiu county, RO], X.1890 (Kimakovicz).

Tribe Dytiscini Leach, 1815

Genus *Dytiscus* Linnaeus, 1758

*Dytiscus circumcinctus* Ahrens, 1811

1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz).

*Dytiscus circumflexus* Fabricius, 1801

2 specs, Csepel [Cerva, Italy], det. Dr. E. Kiss; 2 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht).

*Dytiscus dimidiatus* Bergsträsser, 1778

1 spec., Sibiu [Sibiu county, RO] (R. Albrecht); 1 spec., Transilvania [Transylvania region, RO] (R. Albrecht); 1 spec., Transilvania [Transylvania region, RO], 1858 (E. A. Bielz).

*Dytiscus lapponicus lapponicus* Gyllenhal, 1808

2 specs, Germania [Germany], 1858 (E. A. Bielz); 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht); 1 spec., without location, 1858 (E. A. Bielz).

*Dytiscus latissimus* Linnaeus, 1758

1 spec., Germania [Germany], 1858 (E. A. Bielz); 1 spec., Bohemia [Bohemia region] (Dobiasch).

*Dytiscus marginalis marginalis* Linnaeus, 1758

2 specs, Prusia vestică [Western Prussia, Poland] (Dobiasch), det. Birthler, 1895; 3 specs, Transilvania [Transylvania region, RO], 1858 (E. A. Bielz); 2 specs, Sibiu [Sibiu county, RO] (Kimakovicz), 1895; 2 specs, împrejurime Sibiu [Sibiu surroundings, Sibiu county, RO], ?.VIII.1936 (K. Orendi); 2 specs, Transilvania, Sibiu [Transylvania region, Sibiu county, RO] (R. Albrecht); 1 spec., împrejurime Sibiu [Sibiu surroundings, Sibiu county, RO], VIII.1939 (K. Orendi); 1 spec., Sibiu [Sibiu county, RO], ?.VIII.1940 (K. Orendi); 1 spec., Sibiu [Sibiu county, RO] (Kimakovicz), 1895; 1 spec., Austria [Austria], ?.VII.1890; 1 spec., without location, 1888; 1 spec., Băile Kérolly [Kérolly Baths, Hungary], det. Birthler, 1895; 1 spec., Oca Sibiului [Sibiu county, RO]; 2 specs, Sibiu [Sibiu county, RO] (Kimakovicz), 1895; 1 spec., Sibiu [Sibiu county, RO] (R. Albrecht); 1 spec., Munții Cibin [Cibin Mts, RO] (R. Albrecht).

*Dytiscus semisulcatus* O. F. Müller, 1776

1 spec., Germania [Germany], 1858 (E. A. Bielz); 2 specs, Bohemia [Bohemia region, Czech Republic], det. Birthler, 1895; 1 spec., Germania [Germany], 1858 (E. A. Bielz).

Tribe Cybistrini Sharp, 1882

Genus *Cybister* Curtis, 1827

Subgenus *Cybister* Curtis, 1827

*Cybister (Cybister) lateralimarginalis lateralimarginalis* (DeGeer, 1774)

1 spec., Banat [Banat region, RO], det. Birthler, 1895; 1 spec., Sibiu [Sibiu county, RO], 1893 (Kimakovicz); 1 spec., Malul Mării Negre, Mamaia [Black Sea Shore, Mamaia, RO], IX.1930 (K. Orendi); 1 spec., Moravia [Moravia region, Czech Republic] (Reitter); 1 spec., [Moravia region, Czech Republic]; 1 spec., Banat

[Banat region, RO], det. Birthler, 1895; 1 spec., Kavarna, Dobrogea [Dobruja region, Bulgaria] Mihalbeitae, ?IV.1924 (Lepşi); 2 specs, Sibiu [Sibiu county, RO] (R. Albrecht); 2 specs, împrejurime Sibiu [Sibiu surroundings, Sibiu county, RO], VII.1939 (K. Orendi); 1 spec., Austria [Austria], VII.1890; 1 spec., without location; 1 spec., Sibiu, X.1893.

*Cybister (Cybister) senegalensis* Aubé, 1838

1 spec., Egipt El Kantara, Canalul Suez [El Kantara, Suez Canal, Egipt], 3.VI.1928 (Dr. A. Müller).

*Cybister (Cybister) tripunctatus africanus* Laporte, 1835

1 spec., Spania [Spain], 1858 (E. A. Bielz).

#### DISCUSSIONS

The 851 specimens, identified as belonging to family Dytiscidae, are Palearctic species. They belong to 125 species following the classification system proposed by Nilsson (2001, 2003, 2010): 6 subfamilies, 14 tribes, 30 genera and 10 subgenera. The list update started from a total of 137 species placed in 4 subfamilies and 20 genera. The conservation status of the studied material is generally good, and only a few specimens have missing parts (antennae, legs, wings).

From geographical origin point of view, the studied material includes species collected mostly from Transylvania region (Fig. 2) (in areas like Sibiu and its surroundings, Guşteriţa, Orlat, Ocna Sibiului, Braşov, Cluj) and from Banat, Brăila and Dobrogea, as well as from mountain ranges and areas: Braşov Mountains, Cibin Mountains, Sadu Mountains, Prejba, Şerbota, etc. Parts of the material has its origin in foreign countries, especially from Germany, Austria, Hungary, but also from Spain, Egypt, Russia etc.

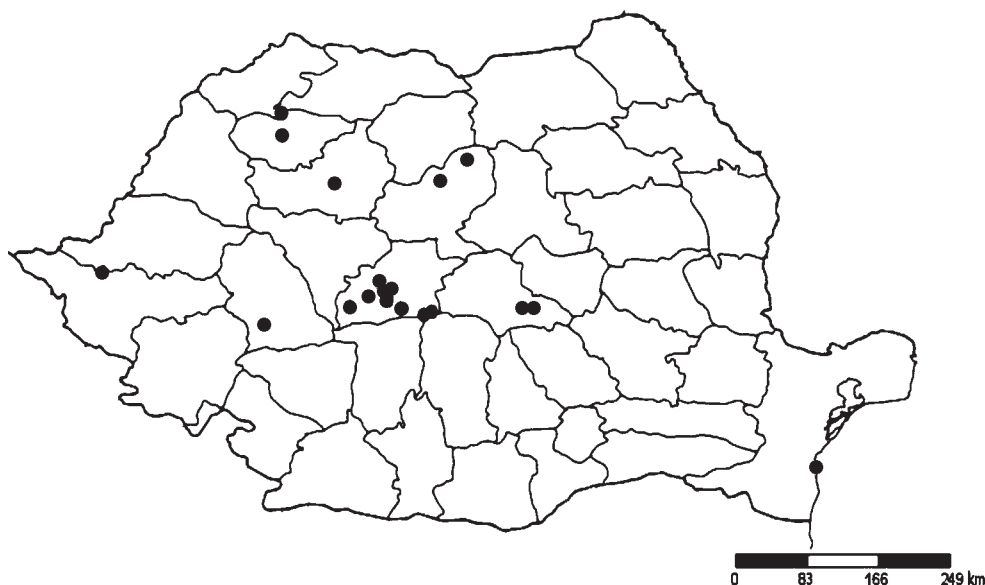


Fig. 2 - The collecting sites of Dytiscidae in Romania (modified after <http://www.simplemappr.net/>).

Two of the species of family Dytiscidae preserved in the Society Collection have now the status of vulnerable species after IUCN criteria: *Graphoderus bilineatus* and *Dytiscus latissimus* (Fig. 3), and are included in „Natura 2000 Project” of the European Union. The „Natura 2000 Project” is monitoring habitats, plant and animal species which are under threat (European Community Directive 92/43/EEC).

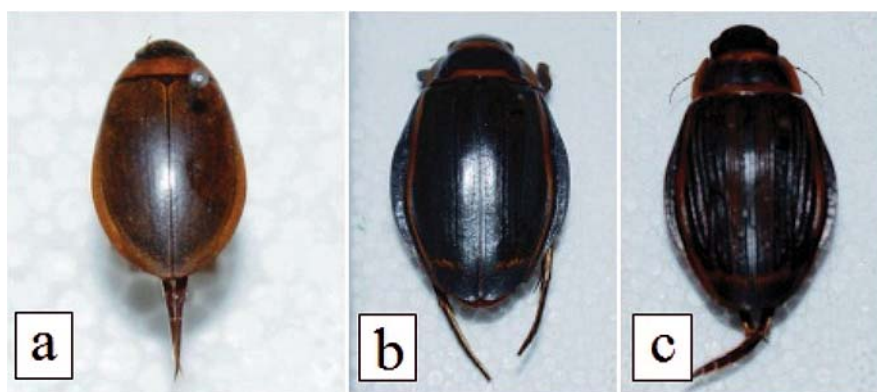


Fig. 3 - *Graphoderus bilineatus* (a) and *Dytiscus latissimus*: b, male; c, female.

The study done on this group needs to be continued and deepened further through reidentification of the species.

#### ACKNOWLEDGEMENTS

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#### DYTISCIDE (COLEOPTERA: DYTISCIDAE) DIN COLECȚIA SOCIETĂȚII ARDELENE A MUZEULUI DE ISTORIE NATURALĂ DIN SIBIU (ROMÂNIA)

#### REZUMAT

Această lucrare are la bază Colecția Societății Ardelene de Științele Naturii care a fost înființată în anul 1849, în același an în care a fost inaugurat și Muzeul de Istorie Naturală din Sibiu. Colecția însumează cele mai multe exemplare (71.567) din cadrul colecției entomologice a Muzeului de Istorie Naturală. Aceasta, prezintă o importantă valoare istorică și documentar-științifică pentru că este una din cele mai vechi colecții din țară, și prin faptul că aceasta cuprinde numeroase specii tip, specii rare și exotice, care ilustrează caracterul biogeografic al Transilvaniei în general și a unor ținuturi ale sale în special.

Studiul de față, întreprins asupra familiei Dytiscidae Leach, 1815 din Colecția Societății, se dorește a fi unul introductiv ce are ca obiectiv reactualizarea nomenclaturii genurilor și speciilor din cadrul familiei.

Cele 851 de exemplare identificate ca aparținând familiei Dytiscidae sunt specii palearctice, și aparțin la 125 de specii încadrate, conform sistemului de clasificare propus de Nilsson (2001, 2003, 2010) în 6 subfamilii, 14 triburi, 30 de genuri și 10 subgenuri.

Prezentul studiu constituie și o readucere în atenția cercetătorilor a colecției entomologice a muzeului constituită prin strădania membrilor Societății.

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