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Revision of the invertebrates collection of Karl Brancsik (1842 – 1915) deposited in the Țării Crișurilor Museum, Oradea

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Abstract. A part of the historical collection of invertebrates (non-Insecta) of Karl Brancsik is housed in Țării Crișurilor Museum, Oradea. While its Gastropods part has been only partially published before, this paper is a completed and revised catalog of that collection, adding also the Bivalves, Polyplacophora and Anthozoa. The collection consists of 223 genera and 342 species, mostly of Gastropods, plus Polyplacophora, Bivalvia and Anthozoa, of which 38 are endemic taxa and 11 specimens are possibly paratypes.

Introduction

Karel Brančík (in Slovakian, or formally Karl Brancsik) (13 March 1842, Stará Bystrica - 18 November 1915, Trenčín) was an Austrian-Hungarian physician and naturalist. Besides practising medicine at Trenčín (Slovakia), he was interested in entomology, malacology and botany. Brancsik began his general studies at Cieszyń (now in Poland), Bratislava, and Sopron (now in Hungary), then studied medicine in Vienna, Prague and Graz, graduating in 1872. Since 1874 he worked

as a physician in Trenčín and in 1879 was promoted as county principal physician. In 1913 he founded the museum of that city, and as an amateur zoologist he assembled by collecting and exchanges several important collections, first of all a large collection of Coleoptera, now deposited in the Field Museum of Natural History Chicago.

His passion for natural studies and collections developed while attending the Evangelical Gymnasium in Cieszyn, then at Bratislava and Sopron. During his medical studies at the University of Prague he entered in contact with several collectors of Coleoptera and started his own collection (150000 specimens from 30904 species, with 123 newly described species), which he continued in Graz, and in 1871 he published a monographic paper on the Coleoptera of Styria. With the help from many other collectors, mostly missionaries from abroad, he gathered and prepared a rich entomological material. Since 1878 he collected and studied Hemiptera (2000 species, with seven new species), and since 1891 Orthoptera (more than 1000 species, with type specimens of 101 new species and 13 new genera). He described two new species of Hymenoptera, and donated his Hymenoptera and Diptera collections to the Gymnasium in Kalocsa (Hungary).

Besides insects, Brancsik assembled a large malacological collection of more than 100,000 specimens (the main part of which is now deposited in the Hungarian National Museum), and also an extended herbarium with 8000 species, dealing with the flora of Trenčín county and donated by him to the city museum. At his suggestion, the Society for Natural Sciences of Trenčín county was established in 1878. The society maintained relations with 125 scientific institutions all over the world, and he edited the society's annuary until his death. Between 1862 and 1914 he published 66 scientific papers on subjects dealing with entomology, malacology and botany (listed in Hetschko 1932), and, while acting more like a splitter, according to the habits of his time, his contribution to the knowledge of central European biodiversity remains remarkably valuable.

A smaller part of his malacological collection was acquired by the Țării Crișurilor Museum in 1971 from the private collector Silvia Popovici in Timișoara. The present paper aimed to revise and complete the catalog of Gastropods from Brancsik's collection deposited in the Țării Crișurilor Museum (Grossu & Paina 1974) and also to include all of Brancsik's invertebrate specimens from that collection (Bivalvia, Polyplacophora and Anthozoa).

Material and methods

All his mollusks specimens deposited in the Țării Crișurilor Museum were listed in this catalog, adding the Bivalves, a Polyplacophora and a coral specimen, and the

Gastropods part was completed, revised and/or updated according to the accepted classification.

Classification is according to Bouchet & Rocroi 2005 and Carter et al. 2011, simplified (no infraclasses, cohorts, subcohorts, clades, subclades, informal groups, megaorders, superorders, hyporders, minorders, epifamilies). The families are listed phyletically, according to Bouchet & Rocroi 2005 and Carter et al. 2011, in each genus the species being arranged alphabetically and with validity of their names verified (when no reference is mentioned, WoRMS 2016 is implied).

Abbreviations. spec(s). = specimen(s); end. = endemic.

Results

Phylum MOLLUSCA Linnaeus, 1758

Class POLYPLACOPHORA Blainville, 1816

Order Chitonida Thiele, 1910

Fam. Chitonidae Rafinesque, 1815

Subfam. Chitoninae Rafinesque, 1815

Chiton (Rhyssoplax) olivaceus Spengler, 1797, 1 spec., Sicily (Italy).

Class GASTROPODA Cuvier, 1795

Superfam. Patelloidea Rafinesque, 1815

Fam. Patellidae Rafinesque, 1815

Patella caerulea Linnaeus, 1758, 4 specs..

Superfam. Lottioidea Gray, 1840

Fam. Lottiidae Gray, 1840

Subfam. Lottiinae Gray, 1840

Lottia digitalis (Rathke, 1833), 1 spec., USA, Bering Sea.

Superfam. Trochoidea Rafinesque, 1815

Fam. Trochidae Rafinesque, 1815

Subfam. Trochinae Rafinesque, 1815

Clanculus (C.) corallinus (Gmelin, 1791), 2 specs., Mediterranean Sea.

Clanculus (C.) cruciatus (Linnaeus, 1758), 1 spec., Cannes (France).

Clanculus (Clanculopsis) jussieui (Payraudeau, 1826), 1 spec., Mediterranean Sea.

Tectus (Rochia) pyramis (Born, 1778), 1 spec..

Trochus nigropunctatus Reeve, 1848, 1 spec..

Subfam. Stomatellinae Gray, 1840

Stomatella auricula Lamarck, 1816 (Tröndlé & Boutet 2009, Herbert 2015), 1 spec., New Zealand.

Subfam. Cantharidinae Gray, 1857

Cantharidus callichroa (Philippi, 1849) (Grossu & Paina 1974, Hardy 2016), 1 spec., Tasmania (Australia).

Gibbula (G.) divaricata (Linnaeus, 1758), 1 spec., Mediterranean Sea.

Gibbula (G.) tumida (Montagu, 1803), 1 spec., England.

Gibbula (G.) umbilicalis (da Costa, 1778), 1 spec., England.

Gibbula (Phorcas) varia (Linnaeus, 1758), 2 specs., Mediterranean Sea.

Jujubinus striatus (Linnaeus, 1758), 1 spec., United Kingdom, „Forbay, England” (?) (Grossu & Paina 1974).

Jujubinus suarezensis (P. Fischer, 1878), 1 spec..

Subfam. Umboniinae H. Adams & A. Adams, 1854 (1840)

Umbonium (Suchium) costatum (Kiener, 1839), 5 specs. without data; 1 spec., Japan.

Umbonium (U.) vestiarium (Linnaeus, 1758), 1 spec., India (east coast).

Subfam. Monodontinae Gray, 1857

Diloma concameratum (Wood, 1828) (Hardy 2016), 1 spec., New Zealand.

Fam. Calliostomatidae Thiele, 1924 (1847)**Subfam. Calliostomatinae Thiele, 1924 (1847)**

Calliostoma variegatum Carpenter, 1864, 1 spec..

Superfam. Turbinoidea Rafinesque, 1815**Fam. Turbinidae Rafinesque, 1815****Subfam. Turbininae Rafinesque, 1815**

Turbo radiatus Gmelin, 1791, 1 spec., Red Sea.

Subfam. Tegulinae Kuroda, Habe & Oyama, 1971

Tegula (Chlorostoma) tridentata (Potiez & Michaud, 1838) (Hardy 2016), 1 spec..

Superfam. Phasianelloidea Swainson, 1840**Fam. Phasianellidae Swainson, 1840****Subfam. Tricoliinae Swainson, 1840**

Tricolia speciosa (Mühlfeldt, 1824), 1 spec., Cannes (Provence-Alpes-Cote d'Azur, France).

Fam. Colloniidae Cossmann, 1917**Subfam. Colloniinae Cossmann, 1917**

Collonista costulosa (Sowerby, 1886), 1 spec., Indian Ocean.

Superfam. Helicinoidea Férussac, 1822**Fam. Helicinidae Férussac, 1822**

Helicina (Alcadia) barbata Guppy, 1867 (Grossu & Paina 1974), 1 spec., Trinidad-Tobago.

Helicina orbiculata (Say, 1818) (Pilsbry 1948, Strenth & Littleton 2000), 1 spec., Dallas (Texas, USA).

Superfam. Neritoidea Rafinesque, 1815**Fam. Neritidae Rafinesque, 1815****Subfam. Neritinae Rafinesque, 1815**

Clithon morosa (Gassies, 1870) (Hardy 2016), 1 spec., Sri Lanka.

Neripteron violaceum (Gmelin, 1791) (Hardy 2016), 1 spec., Sri Lanka.

Nerita (Theliostyla) exuvia (Linnaeus, 1758), 1 spec..

Nerita (Lisanerita) morio (G. B. Sowerby, 1833) (Spencer & al. 2007), 1 spec..

Nerita (N.) peloronta Linnaeus, 1758 (Carpenter 2002), 1 spec., Indian Ocean.

Nerita (Ritena) plicata Linnaeus, 1758, 1 spec., Indian Ocean.

Nerita (Theliostyla) tessellata Gmelin, 1791, 1 spec..

Nerita (N.) textilis Gmelin, 1791, 1 spec., no data; 1 spec., Indian Ocean.

Nerita (N.) versicolor Gmelin, 1791, 1 spec..

Nerita (N.) yoldii Récluz, 1841, 1 spec., Indian Ocean.

Neritina (Vittina) communis (Quoy & Gaimard, 1832) (Grossu & Paina 1974), 1 spec., Philippines. Very variable species.

Neritina (Vittina) gagates (Lamarck, 1815), 1 spec., Fiji.

Neritina meleagris Lamarck, 1822, 1 spec., Sao Paulo (Brazil).

Theodoxus (T.) danubialis (C. Pfeiffer, 1828), 1 spec., Blagaj, at source of River Buna (Bosnia and Herzegovina); 2 specs., Croatia; 2 specs. („var. strangulatus”), Carniola (Kranj) (Slovenia).

Theodoxus (T.) fluviatilis (Linnaeus, 1758), 3 specs., Split (Croatia); 1 spec., Lake Garda (Italy).

Theodoxus (T.) prevostianus (C. Pfeiffer, 1828), 2 specs., Hungary.

Superfam. Cyclophoroidea Gray, 1847

Fam. Cyclophoridae Gray, 1847

Leptopoma vitreum (Lesson, 1830) (Grossu & Paina 1974), 1 spec., Japan.

Fam. Megalomastomatidae Blanford, 1864

Megalomastoma seminudum Poey, 1854 (Grossu & Paina 1974), 1 spec., Trinidad-Tobago.

Fam. Cochlostomatidae Kobelt, 1902

Cochlostoma (Auritus) auritum (Rossmässler, 1837) (AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia), end.

Cochlostoma (C.) elegans (Clessin, 1879) (AnimalBase Project Group 2005-2016), 2 specs., „Yugoslavia”.

Cochlostoma (Turritus) gracile reitteri (Boettger, 1880) (AnimalBase Project Group 2005-2016), 2 specs., Croatia. Subspecies end. for Croatia.

Cochlostoma (C.) henricae henricae (Strobel, 1851) (AnimalBase Project Group 2005-2016), 2 specs., Trieste (Italy).

Cochlostoma (Turritus) philippianum (Gredler, 1853) (AnimalBase Project Group 2005-2016), 1 spec., Austria; 2 specs, Italy; end. for the Alps Mountains.

Cochlostoma (Turritus) tergestinum tortiva (Westerlund, 1885) (AnimalBase Project Group 2005-2016), 2 specs.. Subspecies end. for the eastern coast of the Adriatic Sea (Slovenia, Croatia).

Superfam. Cerithioidea Fleming, 1822

Fam. Cerithiidae Fleming, 1822

Subfam. Cerithiinae Fleming, 1822

Cerithium lifuense (Melvill & Standen, 1895), 3 specs..

Cerithium (Thericium) muscarum Say, 1832, 1 spec..

Cerithium (Thericium) vulgatum Bruguyère, 1792 (Gofas & al. 2004), 2 specs., Mediterranean Sea.

Subfam. Bittiinae Cossmann, 1906

Bittium latreillei (Payraudeau, 1826), 3 specs., Balearic Islands (Spain).

Fam. Melanopsidae H. Adams & A. Adams, 1854

Subfam. Melanopsinae H. Adams & A. Adams, 1854

Holandriana holandrii (C. Pfeiffer, 1828), 2 specs., Carniola (Kranj), Slovenia. Rare.

Melanopsis parreyssii (Philippi, 1847) (AnimalBase Project Group 2005-2016), 1 spec., Băile 1 Mai, Lake Pețea (Romania). End., extinct in the wild since 2014.

Microcolpia daudebartii acicularis (Férussac, 1823) (Smoleń & Falniowski 2009, Neubauer & al. 2014), 2 specs.. Rare.

Fam. Planaxidae Gray, 1850

Subfam. Planaxinae Gray, 1850

Planaxis savignyi Deshayes, 1844, 1 spec., Suez (Egypt).

Fam. Pleuroceridae Fischer, 1885

Elimia vanuxemiana (Lea, 1843) (Bogan 2011), 1 spec., River Coosa, Alabama (USA). End. for Alabama, possibly extinct (Bogan 2011).

Pleurocera acuta Rafinesque, 1831 (Strong 2005, Benson 2008), 1 spec., Illinois (USA).

Fam. Semisulcospiridae Morrison, 1952

Juga (J.) plicifera (Lea, 1838) (Burch 1982, Strong & Koehler 2009), 1 spec., Oregon (USA).

Fam. Potamididae H. Adams & A. Adams, 1854

Cerithideopsis californica (Haldeman, 1840), 1 spec., Oakland (California, USA).

Terebralia palustris (Linnaeus, 1767), 1 spec..

Fam. Thiaridae Gill, 1871 (1823)

Thiara thiarella (Lamarck) (Grossu & Paina 1974), 1 spec., Isle of Nossibé (Madagascar).

Thiara truncata (Lamarck) (Grossu & Paina 1974), 1 spec., North America.

Fam. Turritellidae Lovén, 1847

Turritella communis Risso, 1826, 3 specs.

Superfam. Calyptraeioidea Lamarck, 1809**Fam. Calyptraeidae Lamarck, 1809**

Bostrycapulus aculeatus (Gmelin, 1791), 1 spec., New Zealand.

Maoricrypta monoxyla (Lesson, 1831), 1 spec., New Zealand. End. for the coasts of the Northern Island (New Zealand).

Superfam. Cypraeoidea Rafinesque, 1815**Fam. Cypraeidae Rafinesque, 1815**

Erronea caurica (Linnaeus, 1758), 2 specs..

Erosaria helvola (Linnaeus, 1758), 1 spec., Indian Ocean.

Luria isabella (Linnaeus, 1758), 1 spec..

Luria lurida (Linnaeus, 1758), 1 spec., Atlantic Ocean.

Lyncina carneola (Linnaeus, 1758), 1 spec., Indian Ocean.

Monetaria annulus (Linnaeus, 1758), 2 specs., Indian Ocean.

Monetaria moneta (Linnaeus, 1758), 3 specs..

Palmadusta asellus (Linnaeus, 1758), 1 spec., Indian Ocean.

Superfam. Littorinoidea Children, 1834**Fam. Littorinidae Children, 1834****Subfam. Littorininae Children, 1834**

Austrolittorina unifasciata (Gray, 1826), 1 spec., Victoria (Australia).

Littoraria (Littorinopsis) angulifera (Lamarck, 1822), 1 spec., Bahamas.

Littoraria (L.) irrorata (Say, 1822), 1 spec., Florida (USA).

Littoraria (L.) mauritiana (Lamarck, 1822), 2 specs., Madagascar.

Littorina (L.) obtusata (Linnaeus, 1758), 1 spec., Mediterranean Sea; 1 spec., European coasts of the Atlantic Ocean.

Littorina (L.) saxatilis (Olivi, 1792), 1 spec., Reykjavik (Island).
Littorina (L.) scutulata (Gould, 1849), 1 spec., San Francisco (California, USA).
Melarhapha neritoides (Linnaeus, 1758), 2 spec., Mediterranean Sea.
Tectarius pagodus (Linnaeus, 1758), 1 spec..

Fam. Pomatiidae Newton, 1891 (1828)

Subfam. Pomatiinae Newton, 1891 (1828)

Pomatias elegans (Müller, 1774) (Frank 2000), 1 spec., Riva di Trento, Italy.
Pomatias rivularis (Eichwald, 1829) (Frank 2000, AnimalBase Project Group 2005-2016), 5 specs., Băile Herculane (Romania); 1 spec., Caucasus Mountains.
Tropidophora zanguebarica (Petit, 1850) (Petit 1850, Bourguignat 1889, Rowson & al. 2010, Gittenberger & van Bruggen 2013), 1 spec., Mozambic.
Tudora versicolor (Pfeiffer) (Poulsen 1878, Héra 2006), 1 spec., Curacao (The Netherlands).
Tudorella sulcata (Draparnaud, 1801) (AnimalBase Project Group 2005-2016), 1 spec., Segesta, in Alcamo (Sicily, Italy).

Superfam. Naticoidea Guilding, 1834

Fam. Naticidae Guilding, 1834

Subfam. Polinicinae Gray, 1847

Euspira intricata (Donovan, 1804), 1 spec., Algeria.
Polinices mammilla (Linnaeus, 1758), 1 spec., Isle of Nosy Be, Madagascar.
Polinices otis (Broderip & G. B. Sowerby, 1829), 2 specs.

Subfam. Naticinae Guilding, 1834

Naticarius stercusmuscarum (Gmelin, 1791), 1 spec..

Superfam. Rissooidea Gray, 1847

Fam. Amnicolidae Tryon, 1863

Subfam. Emmericiinae Brusina, 1870

Emmericia patula (Brumati, 1838) (Bank 2015), 1 spec., Split (Croatia).
Emmericia ventricosa Brusina, 1870 (Seddon 2011), 5 specs., Kotor (Montenegro).

Fam. Bithyniidae Gray, 1857

Bithynia mostarensis Moellendorff, 1873 (AnimalBase Project Group 2005-2016),

2 specs., Mostar (Bosnia and Herzegovina), end.

Bithynia tentaculata (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 2 specs., Germany.

Fam. Hydrobiidae Stimpson, 1865
Subfam. Lithoglyphinae Tryon, 1866

Lithoglyphus naticoides (C. Pfeiffer, 1828) (AnimalBase Project Group 2005-2016), 1 spec., Inovo (Smrdan) (Vidin, Bulgaria).

Fam. Truncatellidae Gray, 1840

Geomelania (Merrilliana) elegans C. B. Adams, 1849 (Rosenberg & Muratov 2005), 1 spec., Cuba.

Superfam. Stromboidea Rafinesque, 1815
Fam. Strombidae Rafinesque, 1815
Subfam. Strombinae Rafinesque, 1815

Canarium labiatum labiatum (Röding, 1798), 1 spec..

Fam. Aporrhaidae Gray, 1850
Subfam. Aporrhainae Gray, 1850

Aporrhais pespelecani (Linnaeus, 1758), 8 specs., Mediterranean Sea.

Superfam. Tonnoidea Suter, 1913
Fam. Tonnidae, Suter 1931
Subfam. Tonninae Suter, 1913

Malea pomum (Linnaeus, 1758) (Carpenter 2002), 1 spec..

Fam. Ranellidae Gray, 1854
Subfam. Cymatiinae Iredale, 1913 (1854)

Septa rubecula (Linnaeus, 1758), 1 spec., Mauritius.

Subfam. Ranellinae Gray, 1854

Gyrineum gyrinum (Linnaeus, 1758), 1 spec..

Superfam. Velutinoidea Gray, 1840**Fam. Triviidae Troschel, 1863****Subfam. Eratoinae Gill, 1871**

Erato (*E.*) *voluta* (Montagu, 1803), 1 spec., Mediterranean Sea.

Superfam. Vermetoidea Rafinesque, 1815**Fam. Vermetidae Rafinesque, 1815**

Siphonium glomeratum, Gmelin (Grossu & Paina 1974), 1 spec., Alpes-Maritimes, Provence (France).

Subfam. Dendropomatinae Bandel & Kowalke, 1997

Dendropoma cristatum (Biondi, 1859), 1 spec., Provence-Alpes-Cote d'Azur (France).

Superfam. Triphoroidea Gray, 1847**Fam. Cerithiopsidae H. Adams & A. Adams, 1853****Subfam. Cerithiopsinae H. Adams & A. Adams, 1853**

Cerithiopsis tubercularis (Montagu, 1803), 1 spec., Adriatic Sea.

Superfam. Buccinoidea Rafinesque, 1815**Fam. Buccinidae Rafinesque, 1815**

Siphonalia fuscolineata (Pease, 1860), 1 spec., New Zealand.

Subfam. Buccininae Rafinesque, 1815

Cominella (*C.*) *glandiformis* (Reeve, 1847), 1 spec., New Zealand, end.

Cominella (*C.*) *lineolata* (Lamarck, 1809), 1 spec., New Zealand, end.

Cominella (*C.*) *maculosa* (Martyn, 1784), 1 spec., New Zealand.

Subfam. Pisaniinae Gray, 1857

Pisania (P.) striata (Gmelin, 1791), 2 specs., Mediterranean Sea.

Polia rubiginosa (Reeve, 1846), 1 spec., Red Sea.

Fam. Columbelloidea Swainson, 1840**Subfam. Columbelloidea Swainson, 1840**

Columbella marrae Garcia, 1999, 1 spec., Honduras.

Columbella mercatoria (Linnaeus, 1758), 1 spec., Florida (USA).

Columbella rustica (Linnaeus, 1758), 1 spec., Adriatic Sea.

Subfam. Atiliinae Cossmann, 1901

Mitrella (M.) albofulvata Drivas & Jay, 1990, 1 spec., New Zealand.

Mitrella (Dentimitrella) menkeana (Reeve, 1858), 1 spec.. End. for the western coast of Australia.

Pardalinops testudinaria (Link, 1807), 1 spec., Japan.

Pyrene flava (Bruguyère, 1789), 1 spec., Indian Ocean.

Subfam. Pyreninae Suter, 1909

Bifurcium bicanaliferum (G. B. Sowerby, 1832), 1 spec..

Fam. Fascioliidae Gray, 1853**Subfam. Fascioliinae Gray, 1853**

Tarantinaea lignaria (Linnaeus, 1758) (Avery Snyder 2003), 2 specs., Adriatic Sea.

Subfam. Fusininae Wrigley, 1927

Fusinus (F.) marcusii Hadorn & Rogers, 2000, 3 specs..

Fam. Nassariidae Iredale, 1916 (1835)**Subfam. Nassariinae Iredale, 1916 (1835)**

Nassarius subspinosus (Lamarck, 1822), 2 specs..

Nassarius (Alectrion) spiratus (A. Adams, 1852) (Hardy 2016), 1 spec., Indian Ocean.

Nassarius (Hima) coralligenus (Pallary, 1900) (Hardy 2016), 1 spec., Adriatic Sea.

Nassarius (Plicarcularia) gibbosulus (Linnaeus, 1758), 1 spec., Mediterranean Sea.
Nassarius (Plicarcularia) graniferus (Kiener, 1834), 1 spec., Indian Ocean.
Nassarius (Plicarcularia) persicus (Martens, 1874) (Hardy 2016), 1 spec., Red Sea.
Nassarius (Zeuxis) concinnus (Powys, 1835), 1 spec., Victoria (Australia).
Nassarius (Niotha) splendidulus (Dunker, 1846), 2 specs..
Nassarius (N.) striatus (C. B. Adams, 1852), 1 spec., San Diego (California, USA).
Phrontis vibex (Say, 1822), 1 spec., Florida (USA).

Tritia corniculum (Olivi, 1792), 1 spec., Algeria.
Tritia incrassata (Strøm, 1768), 1 spec., Mediterranean Sea.
Tritia neritea (Linnaeus, 1758), 2 specs., Adriatic Sea.
Tritia obsoleta (Say, 1822), 1 spec., British Columbia (Canada).
Tritia pellucida (Risso, 1826), 1 spec., no data; 1 spec., Mediterranean Sea.
Tritia reticulata (Linnaeus, 1758), 1 spec., Adriatic Sea.

Superfam. Muricoidea Rafinesque, 1815

Fam. Muricidae Rafinesque, 1815

Subfam. Muricinae Rafinesque, 1815

Bolinus brandaris (Linnaeus, 1758), 1 spec., Adriatic Sea.
Hexaplex trunculus (Linnaeus, 1758), 1 spec., Mediterranean Sea.
Phyllonotus pomum (Gmelin, 1791), 1 spec..

Subfam. Muricopsinae Radwin & d'Attilio, 1971

Muricopsis (M.) cristata (Brocchi, 1814), 1 spec., Mediterranean Sea.

Subfam. Ocenebrinae Cossmann, 1903

Crassilabrum crassilabrum (G. B. Sowerby, 1834), 2 specs., Valparaiso (Chile); 1 spec., no data.
Nucella freycinetii (Deshayes, 1839), 1 spec., San Diego (California, USA).

Subfam. Rapaninae Gray, 1853

Concholepas concholepas (Bruguère, 1789), 1 spec., Peru.
Mancinella echinulata (Lamarck, 1822), 1 spec., Mauritius.
Semiricinula tissoti (Petit de La Saussaye, 1852), 1 spec..

Fam. Costellariidae MacDonald, 1860

Tongsuapusia duplex (Cernohorsky), 1982, 1 spec..

Vexillum (Costellaria) dautzenbergi Poppe, Guillot de Suduiraut & Tagaro, 2006, 1 spec..

Vexillum (Pusia) ebenus (Lamarck, 1811), 1 spec., Mediterranean Sea.

Fam. Cystiscidae Stimpson, 1865**Subfam. Persiculinae Coover & Coover, 1995**

Persicula interruptolineata interruptolineata (Mühlfeldt, 1816), 1 spec..

Fam. Harpidae Bronn, 1849

Harpa harpa (Linnaeus, 1758) (Carpenter 1998), 1 spec..

Fam. Marginellidae Fleming, 1828**Subfam. Marginellinae Fleming, 1828**

Prunum apicinum (Menke, 1828), 1 spec., Caribbean Sea.

Fam. Volutidae Rafinesque, 1815**Subfam. Athletinae Pilsbry & Olsson, 1954**

Athleta abyssicola (Adams & Reeve, 1848), 1 spec., South Africa.

Superfam. Olivoidea Latreille, 1825**Fam. Olividae Latreille, 1825**

Olivancillaria urceus (Röding, 1798) (The Paleobiology Database), 1 spec., Rio Grande (Mexico).

Oliva (O.) oliva (Linnaeus, 1758), 1 spec., New Caledonia (France).

Oliva (Miniaceoliva) irisans irisans Lamarck, 1811, 1 spec., Indian Ocean.

Oliva (Neocylindrus) tessellata Lamarck, 1811, 1 spec., Indian Ocean.

Oliva (Strephona) venulata Lamarck, 1811, 1 spec., California (Mexico).

Fam. Olivellidae Troschel, 1869

Olivella (Callianax) biplicata (Sowerby 1825), 1 spec., California.

Superfam. Conoidea Fleming, 1822**Fam. Conidae Fleming, 1822****Subfam. Coninae Fleming, 1822**

Conus (Atlanticonus) cuna Petuch, 1998 (Puillandre & al. 2015), 1 spec.. Distribution: Caribbean Sea, published locality („Indian Ocean”) probably erroneous.

Conus (Virroconus) ebraeus Linnaeus, 1758 (Puillandre & al. 2015), 1 spec., Sri Lanka.

Conus (Rhizoconus) rattus Hwass in Bruguiere, 1792 (Puillandre & al. 2015), 1 spec., New Guinea.

Fam. Clavatulidae Gray, 1853**Subfam. Clavatulinae Gray, 1853**

Clionella rosaria (Reeve, 1846), 1 spec., Cape of Good Hope (South Africa).

Turricula javana (Linnaeus, 1767), 2 specs..

Fam. Terebridae Mörch, 1852

Terebra elata Hinds, 1844, 1 spec..

Fam. Turridae H. Adams & A. Adams, 1853**Subfam. Turrinae H. Adams & A. Adams, 1853**

Pleurotoma marmorata Link, 1807 (Kilburn & al. 2012), 1 spec.. Nomen dubium according to WoRMS 2016.

Turris babylonia (Linnaeus, 1758), 2 specs..

Turris ruthae Kilburn, 1983, 2 specs..

Superfam. Acteonoidea d'Orbigny, 1843**Fam. Acteonidae d'Orbigny, 1843****Subfam. Acteoninae d'Orbigny, 1843**

Acteon (A.) tornatilis (Linnaeus, 1758), 1 spec., Mediterranean Sea.

Superfam. Philinoidea Gray, 1850**Fam. Cylichnidae H. Adams & A. Adams, 1853**

Akera bullata O. F. Müller, 1776, 1 spec., Balearic Islands (Spain).

Superfam. Amphiboloidea Gray, 1840
Fam. Amphibolidae Gray, 1840
Subfam. Salinatorinae Starobogatov, 1970

Salinator sp. (*species 101*) (Poppe & Poppe 2011), 1 spec., Coonawarra (South Australia, Australia).

Superfam. Siphonarioidea Gray, 1827
Fam. Siphonariidae Gray, 1840

Siphonaria denticulata Quoy & Gaimard, 1833 (Hardy 2016), 1 spec., Australia.

Superfam. Lymnaeoidea Rafinesque, 1815
Fam. Lymnaeidae Rafinesque, 1815
Subfam. Lymnaeinae Rafinesque, 1815

Galba (G.) *truncatula* (O. F. Müller, 1774), Bratislava (Slovakia).

Radix balthica (Linnaeus, 1758), 1 spec., Estonia.

Radix labiata (Rossmässler, 1835), 6 specs..

Stagnicola traski (Tryon, 1863) (Jackiewicz 1998, Oliver & Bosworth 1999, Vinar-ski 2003), 1 spec., Oakland (California, USA). Protected, rare.

Stagnicola turricula (Held, 1836), 1 spec., Seeburg, Seegebiet Mansfelder Land (Mansfeld-Südharz, Sachsen-Anhalt, Germany).

Superfam. Planorboidea Rafinesque, 1815
Fam. Planorbidae Rafinesque, 1815
Subfam. Planorbinae Rafinesque, 1815

Planorbis (P.) *planorbis* (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., Cluj-Napoca (Romania).

Subfam. Bulininae Fischer & Crosse, 1880

Planorbella subcrenata (Carpenter, 1857) (Harrold & Guralnick 2010), 1 spec., Santa Clara (California, USA).

Fam. Physidae Fitzinger, 1833
Subfam. Physinae Fitzinger, 1833

Physa fontinalis (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín (Slovakia).

Physa proteus Sowerby, 1873 (Grossu & Paina 1974), 1 spec., Australia.

Subfam. Aplexinae Starobogatov, 1967

Aplexa hypnorum (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., France. Holarctic, rare.

Superfam. Ellobioidea Pfeiffer, 1854

Fam. Ellobiidae Pfeiffer, 1854

Subfam. Melampodinae Stimpson, 1851 (1850)

Melampus (Detracia) bullaoides (Montagu, 1808), 2 specs., Cuba.

Melampus (Detracia) lividus (Deshayes, 1830) (Hardy 2016), 1 spec., New Guinea.

Melampus (M.) luteus (Quoy & Gaimard, 1832), 1 spec., New Caledonia (France).

Subfam. Pythiinae Odhner, 1925 (1880)

Cassidula (C.) nucleus (Gmelin, 1791) (Hardy 2016), 1 spec., Red Sea.

Pythia plicata (Férussac, 1821), 1 spec., Hong Kong (China).

Superfam. Succineoidea Beck, 1837

Fam. Succineidae Beck, 1837

Subfam. Succineinae Beck, 1837

Oxyloma (O.) elegans (Risso, 1826) (AnimalBase Project Group 2005-2016), 8 specs., Anina (Romania); 14 specs., Thuringia (Germany).

Succinea putris (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., Budapest (Hungary); 1 spec., Trenčín (Slovakia).

Superfam. Cochlicopoidea Pilsbry, 1900 (1879)

Fam. Cochlicopidae Pilsbry, 1900 (1879)

Cochlicopa lubrica (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 2 specs., Slovakia.

Superfam. Pupilloidea Turton, 1831

Fam. Chondrinidae Steenberg, 1925

Chondrina arcadica (Reinhardt, 1881) (AnimalBase Project Group 2005-2016), 1 spec., Anina (Romania); 22 specs., no data.

Chondrina avenacea (Bruguière, 1792) (AnimalBase Project Group 2005-2016), 5 specs., Trenčín (Slovakia).

Chondrina spelta (Beck, 1837) (Stamol 2004, AnimalBase Project Group 2005-2016), 2 specs., Jajce (Bosnia and Herzegovina), end. subspecies.

Chondrina tenuimarginata (Des Moulins, 1835) (Bank 2015, AnimalBase Project Group 2005-2016), 2 specs., Isle of Madeira (Portugal).

Granaria frumentum (Draparnaud, 1801) (AnimalBase Project Group 2005-2016), 4 specs., Anina (Romania); 2 specs., Sibenik (Croatia).

Granaria frumentum illyrica (Rosmaessler, 1835) (AnimalBase Project Group 2005-2016), 2 specs., Metkovic (Croatia).

Fam. Orculidae Pilsbry, 1918

Subfam. Orculinae Pilsbry, 1918

Orcula dolium (Draparnaud, 1801) (AnimalBase Project Group 2005-2016), 4 specs., Trenčín (Slovakia).

Superfam. Enoidea Woodward, 1903

Fam. Enidae Woodward, 1903

Subfam. Eninae Woodward, 1903

Chondrula quinqueidentata (Rossmässler, 1837) (AnimalBase Project Group 2005-2016), 1 spec., Omis (Croatia).

Chondrula tridens (Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Oravița (Romania); 2 specs., Sibiu (Romania); 1 spec., Cisnădie (Romania); 1 spec., Anina (Romania).

Ena concolor (Westerlund, 1887) (Bank 2015, AnimalBase Project Group 2005-2016), 1 spec..

Mastus pupa (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., Sicily (Italy).

Mastus transsylvanicus (M. von Kimakowicz, 1883) (AnimalBase Project Group 2005-2016), 1 spec., Brașov (Romania), end.

Mastus venerabilis (L. Pfeiffer, 1855) (AnimalBase Project Group 2005-2016), 1 spec., Vâlcan Mountains, Zănoaga, Vulcan Gorge (Hunedoara, Romania); 1 spec., Bucegi Mountains; end.

Merdigera obscura (Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Slovakia; 2 specs., Slavonia (Croatia).

Superfam. Clausilioidea Gray, 1855**Fam. Clausiliidae Gray, 1855****Subfam. Clausiliinae Gray, 1855**

Clausilia (Andraea) dubia Draparnaud, 1805 (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Slovakia.

Clausilia (Andraea) dubia carpathica Brancsik, 1888 (Bank 2015), 2 specs., Trenčín, Szulyó (Slovakia); 4 specs., Rajecké-Teplice. End., possibly paratypes, leg. Brancsik.

Clausilia (Andraea) dubia trencsinensis Brancsik, 1888 (Frank 1997, Nordsieck 2007a), 2 specs., Trenčín. Possibly paratypes.

Clausilia (C.) pumila C. Pfeiffer, 1828 (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Anina (Romania).

Clausilia (C.) rugosa parvula Férussac, 1807 (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 3 specs., Slovakia.

Erjavecchia bergeri (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Carinthia (Austria or Slovenia).

Macrogaster (Pyrostoma) borealis (Boettger, 1878) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Galicia (Poland or Ukraine).

Macrogaster (Pyrostoma) plicatula (Draparnaud, 1801) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Slovakia.

Macrogaster (M.) ventricosa (Draparnaud, 1801) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Slovakia.

Ruthenica filograna (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Slovakia; 2 specs., no data.

Subfam. Aloiinae Wagner, 1913

Agathylla (A.) exarata (Rossmässler, 1835) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 5 specs., Dalmatia (Croatia), end.

Agathylla (A.) sulcosa (Wagner, 1829) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia), end.

Albinaria (A.) turrita (L. Pfeiffer, 1850) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Isle of Milos (Greece), end.

Alopia (A.) bielzii (L. Pfeiffer, 1848) (AnimalBase Project Group 2005-2016), 1 spec., Tâlmăciu (Sibiu county, Romania), leg. Endrey, end.

Alopia (A.) canescens (Charpentier, 1852) (Nordsieck 2007a, AnimalBase Project

Group 2005-2016), 2 specs., Piatra Mare massif, western slope (Braşov county, Romania), end.

Alopi (*Kimakowiczia*) *glauca* (E. A. Bielz, 1853) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 5 specs., Romania; 1 spec., Bratocea, southwest of Ciucaş massif (Braşov county, Romania); 1 spec., Ciucaş massif (Romania), end.

Alopi (*A.*) *lischkeana lischkeana* (Charpentier, 1852) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Piatra Craiului Mountains, near Braşov (Romania); 1 spec., Piatra Craiului Mountains, Crăpătura (Romania); 1 spec., Braşov (Romania), end.

Alopi (*A.*) *livida* (Menke, 1828) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Bucegi Mountains (Romania), end.

Alopi (*A.*) *plumbea* (Rossmässler, 1839) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Braşov (Romania), end.

Alopi (*A.*) *plumbea regalis* (M. Bielz, 1851) (Nordsieck 2007a), 1 spec., Piatra Craiului Mountains, leg. Endrey, end.

Alopi (*A.*) *straminicollis* (Charpentier, 1852) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Postăvaru massif (Braşov county, Romania), end.

Charpentieria (*C.*) *itala* (von Martens, 1824) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Italy.

Cochlodina (*C.*) *fimbriata* (Rossmässler, 1835) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Croatia.

Cochlodina (*C.*) *laminata* (Montagu, 1803) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Anina (Romania); 3 specs., Caraş-Severin county (Romania); 3 specs., Dalmatia (Croatia); 2 specs., Slovakia.

Cochlodina (*Paracochlodina*) *orthostoma* (Menke, 1828) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Galicia (Poland or Ukraine); 1 spec., Slovakia. Relict.

Delima (*Semirugata*) *bilabiata* (J. A. Wagner, 1829) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia).

Delima (*D.*) *binotata* (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia).

Delima (*D.*) *binotata satura* (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia), end. subspecies.

Delima (*D.*) *blanda* (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia).

Delima (*D.*) *blanda fulcrata* (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia), end. subspecies.

Delima (*D.*) *conspurcata* (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Pro-

ject Group 2005-2016), 8 spec., Dalmatia (Croatia), end. subspecies.

Delima (D.) laevisissima (Rossmässler, 1834) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia), end.

Delima (D.) latilabris (J. A. Wagner, 1829) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia), end. subspecies.

Delima (Semirugata) vidovichii (Pfeiffer, 1846) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia), end.

Dilataria succineata (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Carinthia (Austria or Slovenia).

Herilla bosniensis (L. Pfeiffer, 1868) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 7 specs., Bosnia and Herzegovina.

Herilla bosniensis brandisi (Brancsik, 1888) (Nordsieck 2007a, Bank 2015), 2 specs., Bosnia and Herzegovina, end. subspecies. Possibly type specimens.

Herilla ziegleri dacica (L. Pfeiffer, 1848) (Nordsieck 2007a, Bank 2015), 1 spec..

Herilla ziegleri neglecta (Brancsik, 1888) (Nordsieck 2007a, Bank 2015), 1 spec., Bosnia and Herzegovina. Paratype.

Medora almissana (Kuster, 1847) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia), end..

Medora macascarensis (Sowerby, 1828) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia), end. subspecies.

Montenegrina cattaroensis (Rossmässler, 1835) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Montenegro), end.

Siciliaria gibbula (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 3 specs., Dalmatia (Croatia).

Siciliaria lamellata (Rossmässler, 1836) (AnimalBase Project Group 2005-2016), 2 specs., Dalmatia (Croatia). Present distribution: Albania and Greece.

Siciliaria stigmatica (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia).

Subfam. Baleinae Wagner, 1913

Alinda (Pseudalinda) fallax (Rossmässler, 1836) (Nordsieck 2007a, b), 1 spec., Sălaj county (Romania); 2 specs., Caraș-Severin (Romania). Rare, legally protected.

Balea (Alinda) biplicata (Montagu, 1803) (Nordsieck 2007a, b, AnimalBase Project Group 2005-2016), 2 specs., Slovakia; 1 spec., no data.

Balea perversa (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 2 specs., Trenčín (Slovakia).

Balea (Pseudalinda) stabilis (L. Pfeiffer, 1847) (Nordsieck 2007a, b, AnimalBase

Project Group 2005-2016), 1 spec., Orlat (Sibiu county, Romania).

Bulgarica (Strigilecula) cana (Held, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 3 specs., Transylvania (Romania).

Bulgarica (B.) rugicollis (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Banat (Romania); 1 spec., no data.

Bulgarica (Strigilecula) vetusta (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 2 specs., Croatia.

Laciniaria plicata (Draparnaud, 1801) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 3 specs., Anina (Romania); 2 specs., Gagauzia (Republic of Moldova).

Vestia (V.) gulo (E. A. Bielz, 1859) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Romania.

Vestia (V.) turgida (Rossmässler, 1836) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Slovakia.

Subfam. Mentissoideinae Lindholm, 1924

Elia corpulenta (Pfeiffer, 1848) (Nordsieck 2007a, AnimalBase Project Group 2005-2016), 1 spec., Turkey, end.

Superfam. Punctoidea Morse, 1864

Fam. Discidae Thiele, 1931 (1866)

Discus (Gonyodiscus) perspectivus (Mühlfeld, 1816) (AnimalBase Project Group 2005-2016), 2 specs., Slovakia.

Discus (Gonyodiscus) rotundatus (Müller, 1774) (AnimalBase Project Group 2005-2016), 2 specs., Trenčín (Slovakia).

Discus (D.) ruderatus (Hartmann, 1821) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín (Slovakia).

Superfam. Helicoidea Rafinesque, 1815

Fam. Helicidae Rafinesque, 1815

Subfam. Helicinae Rafinesque, 1815

Eobania vermiculata (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec..

Subfam. Ariantinae Mörch, 1864

Chilostoma (Kosicia) intermedium (Férussac, 1832) (AnimalBase Project Group

2005-2016), 1 spec., Ulrichsberg (?), Carniolia (?) (Austria). Published locality in Grossu & Paina 1974: „Carniolia-Ulrichsberg (Austria)”. Carniolia is a region in Slovenia, Ulrichsberg is in northern Austria.

Cylindrus obtusus (Draparnaud, 1805) (AnimalBase Project Group 2005-2016), 1 spec., Carinthia (Austria). End. for the Austrian Alps.

Helicigona (Faustina) faustina (Rossmässler, 1835) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín (Slovakia); 1 spec., Hungary.

Isognomostoma isognomostomos (Schröter, 1784) (AnimalBase Project Group 2005-2016), 1 spec., Austria.

Fam. Cochlicellidae Schileyko, 1972

Cochlicella (C.) acuta (Müller, 1774) (AnimalBase Project Group 2005-2016), 13 specs., Makarska (Croatia).

Fam. Helicodontidae Kobelt, 1904

Subfam. Helicodontinae Kobelt, 1904

Helicodonta obvoluta (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Paris (France).

Soosia diodonta (Férussac, 1832) (AnimalBase Project Group 2005-2016), 2 specs., Băile Herculane and Căldărușani forest (Romania).

Subfam. Lindholmiolinae Schileyko, 1978

Lindholmiola lens (Férussac, 1832) (Bank 2015, AnimalBase Project Group 2005-2016), 1 spec., Athens (Greece).

Fam. Helminthoglyptidae Pilsbry, 1939

Cepolis (Hemitrochus) varians (Menke, 1829) (Grossu & Paina 1974), 1 spec., Puerto Rico (USA).

Fam. Hygromiidae Tryon, 1866

Subfam. Monachinae Wenz, 1930 (1904)

Monacha (M.) cantiana (Montagu, 1803) (AnimalBase Project Group 2005-2016), 1 spec..

Monacha (M.) cartusiana (Müller, 1774) (Bank 2015, AnimalBase Project Group 2005-2016), 1 spec., Gruz (Dubrovnik, Croatia); 1 spec., Split (Croatia); 1 spec., Dalmatia (Croatia); 1 spec., Travnik (Bosnia and Herzegovina); 1 spec., Barcy (France). *Monacha (M.) parumcincta* (Menke, 1828) (AnimalBase Project Group 2005-2016), 1 spec., Dalmatia (Croatia).

Subfam. Hygromiinae Tryon, 1866

Candidula intersecta (Poiret, 1801) (AnimalBase Project Group 2005-2016), 1 spec., Sønderborg (Denmark); 2 specs., no data.

Cernuella (C.) cisalpina (Rossmässler, 1837) (Bank 2015, AnimalBase Project Group 2005-2016), 1 spec., Trieste (Italy); 1 spec., Kotor (Montenegro). Sometimes considered a synonym of *C. virgata* (Da Costa, 1778).

Cernuella (C.) virgata (Da Costa, 1778) (Bank 2015, AnimalBase Project Group 2005-2016), 1 spec., Zadar (Croatia); 1 spec., Yalta (Ukraine/Russia). Distribution: Europe, with the exception of northern regions.

Helicella itala (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 1 spec., Lüneburger Heide (Germany).

Helicopsis striata (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Frankfurt am Main (Germany); 1 spec., Chatillon (France?). Two more localities by the same name („Chatillon”) are in western Switzerland, and one in northern Italy. Rare, endangered in Germany.

Hygromia (H.) cinctella (Draparnaud, 1801) (Bank 2015, AnimalBase Project Group 2005-2016), 2 specs., Trieste (Italy).

Monachoides incarnatus (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín (Slovakia).

Monachoides vicinus (Rossmässler, 1842) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín, Vratna valley (Slovakia).

Perforatella bidentata (Gmelin, 1791) (AnimalBase Project Group 2005-2016), 1 spec., Trenčín (Slovakia).

Trochulus (T.) unidentatus (Draparnaud, 1805) (AnimalBase Project Group 2005-2016), 1 spec., Vratna (Trenčín, Slovakia).

Trochulus (T.) hispidus (Linnaeus, 1758) (AnimalBase Project Group 2005-2016), 2 specs., Kaliningrad (Russia).

Trochulus (T.) sericeus (Draparnaud, 1801) (AnimalBase Project Group 2005-2016), 1 spec., Wales (UK).

Xerocampylaea zelebori (L. Pfeiffer, 1853) (AnimalBase Project Group 2005-2016), 2 specs., Sarajevo, bank of River Miljacka (Bosnia and Herzegovina); 1 spec., Rovereto (Italy).

Xerolenta obvia (Menke, 1828) (Bank 2015, AnimalBase Project Group 2005-2016), 2 specs., Caraşova (Caraş-Severin county, Romania); 1 spec., Mostar (Bosnia and Herzegovina); 4 specs., no data.

Xeropicta derbentina (Krynicky, 1836) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 1 spec., Crikvenica (Croatia).

Xerosecta (Xeromagna) cespitum (Draparnaud, 1801) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 1 spec., Qusantinah (Constantine) (Algeria).

Xerosecta (Xeromagna) reboudiana (Bourguignat, 1863) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 1 spec., Kerrata (Algeria).

Subfam. Geomitrinae Boettger, 1909

Trochoidea (T.) elegans (Gmelin, 1791) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 1 spec., Marseille (France).

Trochoidea (T.) pyramidata (Draparnaud, 1805) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 1 spec., Alghero, Sardinia (Italy).

Trochoidea (T.) trochoides (Poiret, 1789) (AnimalBase Project Group 2005-2016), 1 spec., Mostar (Bosnia and Herzegovina), 2 specs., Alpes Maritimes (France).

Fam. Pleurodontidae Ihering, 1912

Pleurodonte peracutissima (Adams, 1845) (Wurtz 1955, Rosenberg & Muratov 2006), 1 spec., Martinique Island (France).

Fam. Polygyridae Pilsbry, 1895

Polygyra septemvolva volvoxis (Pfeiffer, 1846) (Pilsbry 1940), 1 spec., Florida (USA).

Stenotrema hirsutum (Say, 1817) (Walker 1906, Turgeon et al. 1988, AnimalBase Project Group 2005-2016), 1 spec., Ohio (USA).

Superfam. Gastrodontoidea Tryon, 1866

Fam. Oxychilidae Hesse in Geyer, 1927 (1879)

Subfam. Godwiniinae Cooke, 1921

Aegopinella nitens (Michaud, 1831) (AnimalBase Project Group 2005-2016), 2 specs., Slovakia.

Aegopinella nitidula (Draparnaud, 1805) (AnimalBase Project Group 2005-2016), 1 spec..

Subfam. Oxychilinae Hesse, 1927 (1879)

Oxychilus (*O.*) *cellarius* (O. F. Müller, 1774) (AnimalBase Project Group 2005-2016), 1 spec., Slovakia.

Oxychilus (*O.*) *glaber* (Rossmässler, 1835) (AnimalBase Project Group 2005-2016), 2 specs., Trenčín (Slovakia).

Superfam. Zonitoidea Mörch, 1864

Fam. Zonitidae Mörch, 1864

Ventridens ligera (Say, 1821) (Turgeon et al. 1988), 1 spec., Ohio (USA).

Class BIVALVIA Linnaeus, 1758

Subclass Autobranchia (Grobber, 1894)

Order Mytilida Férussac, 1822

Superfam. Mytiloidea Rafinesque, 1815

Fam. Mytilidae Rafinesque, 1815

Mytilus edulis Linnaeus, 1758 (AnimalBase Project Group 2005-2016), 4 specs..

Mytilus sp., 1 spec..

Order Arcoida Stolicka, 1871

Superfam. Arcoidea Lamarck, 1809

Fam. Arcidae Lamarck, 1809

Arca ventricosa (Lamarck, 1819), 1 spec..

Arca sp., 2 specs..

Pectunculus sp., 3 specs..

Fam. Glycymerididae Dall, 1908

Glycymeris nummaria (Linnaeus, 1758), 1 spec., Mediterranean Sea.

Tucetona pectunculus (Linnaeus, 1758), 5 specs..

Order Ostreida Férussac, 1822
Suborder Ostreidina Férussac, 1822
Superfam. Ostreoidea Rafinesque, 1815
Fam. Ostreidae Rafinesque, 1815

Ostrea edulis Linnaeus, 1758, 2 specs..

Suborder Malleidina Gray, 1854
Superfam. Pinnoidea, Leach 1819
Fam. Pinnidae, Leach 1819

Pinna bicolor Gmelin, 1791, 1 spec..

Superfam. Pterioidea Gray, 1847 (1820)
Fam. Pteriidae Gray, 1847

Pinctada margaritifera (Linnaeus, 1758), 1 spec..

Order Pectinida Gray, 1854
Suborder Pectinidina Gray, 1854
Superfam. Pectinoidea Rafinesque, 1815
Fam. Pectinidae, Wilkes 1810
Subfam. Pectininae Rafinesque, 1815

Pecten jacobaeus (Linnaeus, 1758), 1 spec..

Subfam. Chlamydinae Teppner, 1922

Flexopecten glaber (Linnaeus, 1758), 4 specs..

Mimachlamys varia (Linnaeus, 1758) (de Kluijver & al. 2015), 2 specs..

Fam. Spondylidae Gray, 1826

Spondylus sp., 1 spec..

Order Carditida Dall, 1889
Superfam. Crassatelloidea Férussac, 1822
Fam. Carditidae Lamarck, 1809

Carditamera radiata (G. B. Sowerby, 1833), 1 spec., Panama.

Glans trapezia (Linnaeus, 1767), 2 specs., Algiers (Algeria).

Order Cardiida Férussac, 1822

Suborder Cardiidina Férussac, 1822

Superfam. Cardioidea Lamarck, 1809

Fam. Cardiidae Lamarck, 1809

Subfam. Cardiinae Lamarck, 1809

Acanthocardia echinata (Linnaeus, 1758), 1 spec..

Cardium sp., 2 specs..

Superfam. Tellinoidea Blainville, 1814

Fam. Tellinidae Blainville, 1814

Acorylus gouldii (Hanley, 1846), 1 specs., Gulf of California.

Bosemprella incarnata (Linnaeus, 1758), 1 spec., Mediterranean Sea.

Fabulina fabula (Gmelin, 1791), 1 spec., Wales (UK).

Limecola balthica (Linnaeus, 1758), 2 specs., Great Britain; 2 specs., San Francisco (California, USA).

Macomangulustenuis (da Costa, 1778), 1 spec., no data; 2 specs., Mediterranean Sea.

Strigilla pisiformis (Linnaeus, 1758), 2 specs., Indian Ocean (?).

Tellina radiata Linnaeus, 1758, 2 specs., Cuba.

Fam. Donacidae Fleming, 1828

Donax (*Paradonax*) *californicus* Conrad, 1837, 2 specs., San Diego, California (USA).

Donax (*Capsella*) *variegatus* (Gmelin, 1791), 1 spec., Mediterranean Sea.

Donax semistriatus (Poli, 1795), 1 spec., Viareggio (Italy).

Donax (*Serrula*) *trunculus* (Linnaeus, 1758), 3 specs., Mediterranean Sea.

Fam. Semelidae Stoliczka, 1870

Abra alba (W. Wood, 1802), 2 specs., North Sea.

Superfam. Dreissenoidea Gray, 1840

Fam. Sphaeriidae Deshayes, 1855

Sphaerium corneum (Linnaeus, 1758) (Araujo 2011), 2 specs., France.

Sphaerium rivicola (Lamarck, 1818) (Araujo 2011, AnimalBase Project Group 2005-2016), 2 specs., Würzburg, River Main (Germany).

Superfam. Veneroidea Rafinesque, 1815

Fam. Veneridae Rafinesque, 1815

Gouldia minima (Montagu, 1803), 2 specs., Puerto de Mahon (Balearic Islands, Spain).

Meretrix lamarcki Deshayes, 1853, 6 specs..

Pectunculus sp., 1 spec..

Timoclea ovata (Pennant, 1777) (de Kluijver & al. 2015), 2 specs., Isle of Yeu (France).

Polititapes aureus (Gmelin, 1791), 1 spec., Mediterranean Sea.

Superfam. Cyrenoidea Gray, 1840

Fam. Cyrenidae Gray, 1840

Neocorbicula limosa Maton, 1809 (Graf & Cummings 2011), 2 specs., Rio Grande do Sul (Brazil).

Order Pholadida Gray, 1854

Superfam. Myoidea Lamarck, 1809

Fam. Corbulidae Lamarck, 1818

Corbula gibba (Olivi, 1792), 2 specs., Mediterranean Sea.

Order Thraciida Carter, 2011

Superfam. Thracioidea Stoliczka, 1870

Fam. Thraciidae Stoliczka, 1870

Thracia villosiuscula (MacGillivray, 1827), 1 spec., Cannes (France).

Order Solenida Dall, 1889

Superfam. Solenoidea Lamarck, 1809

Fam. Solenidae Lamarck, 1809

Solen grandis Dunker, 1862, 2 specs..

Phylum CNIDARIA Hatschek ,1888
Class ANTHOZOA Ehrenberg, 1834
Subclass Hexacorallia Haeckel, 1896
Order Scleractinia Bourne, 1900
Fam. Mussidae Ortmann, 1890

Platygyra daedalea (Ellis & Sollander, 1786) (Carpenter & Niem 1998), 1 spec., Israel, Red Sea.

Discussion

The part of Brancsik's collection housed in Țării Crișurilor Museum consists mainly of Gastropods, with 186 genera and 299 species (the best represented families being Clausiliidae with 49 species, Hygromiidae with 23 species, and Trochidae, Neritidae and Nassariidae with 16 species each), plus 35 genera and 41 Bivalve species, and one of each Polyplacophora and Anthozoa species, of which 38 are endemic taxa (species and subspecies).

The most abundant are the Gastropods as well, with 563 specimens (Clausiliidae 128 specs., Chondrinidae 40, Neritidae 25, Trochidae 24 etc.), plus 81 specimens of Bivalves (Tellinidae 14 specs., Veneridae 12 etc.), one Polyplacophora specimen and one Anthozoan coral skeleton fragment.

The taxonomic status of several specimens is disputed. *Melanopsis parreyssii* (Philippi, 1847) is now considered by some authors a highly variable, thermal form of *Fagotia acicularis* (Sümegei et al. 2012), or is rather revised as *Microcolpia parreyssii* (Neubauer et al. 2014). Sadly, despite being legally protected, this endemism is extinct in the wild since Sept.-Oct. 2014 due to habitat degradation. Another Melanopsid, *Fagotia daudebartii acicularis* (Férussac, 1823), is now considered congeneric with „*Melanopsis*” *parreyssii* (Smoleń & Falniowski 2009) and thus should be revised as *Microcolpia daudebartii acicularis* (Neubauer et al. 2014).

Brancsik acted sometimes like a „splitter”, according to the habits of the time, and besides subspecies such as the valid *Clausilia dubia carpatica* Brancsik, 1888 and the questioned *C. dubia trencsinensis* Brancsik, 1888, he tried to describe also forms and varieties, which are now considered obsolete. For example, he labelled an *Orcula dolium* (Draparnaud, 1801) specimen as „*Pupa dolium* Drp. v. *Titan* f. *obesa* Brk.” (= Brancsik) and a *Clausilia dubia* Draparnaud, 1805 specimen as „*Clausilia dubia* Drp. v. *manina* Brancsik”.

Other remarkable, presently protected species are represented in this historical collection, such as *Theodoxus prevostianus* (C. Pfeiffer, 1828) specimens

from „Hungary” (according to the original label), a protected, Pleistocene relict extinct in Romania since June 13, 2006, due to excavations for a sturgeon farm in Răbăgani (Bihor) at the site of its unique habitat in this country. *Elimia vanuxemiana* (Lea, 1843), endemic for Alabama (USA), has gone extinct before 2000 and its rediscovery in the same state in 2005 needs confirmation. *Holandriana holandrii* (C. Pfeiffer 1828) (collected in Slovenia) is now protected in Romania (Order no. 1198/2005 of MMGA, Annex 3B), and *Lithoglyphus naticoides* (C. Pfeiffer, 1828) (collected in Bulgaria), while being now rather abundant in Romania, is rare in Bulgaria because of water pollution.

Unfortunately, the collecting information on Brancsik's labels is usually incomplete, at best including only the species name and, sometimes vaguely, the place of collecting. Thus, while the specimens, both aquatic and terrestrial, originated from all over the world (no doubt as a result of Brancsik's exchanges with other collectors), in many cases a more precise assessment of their collecting circumstances is rather difficult to infer.

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