

# Type specimens of Coreoidea and Pentatomoidea described by F.A. Kolenati (Heteroptera)

I.M. Kerzhner

Kerzhner, I.M. 2003. Type specimens of Coreoidea and Pentatomoidea described by F.A. Kolenati (Heteroptera). *Zoosystematica Rossica*, 12(1): 93-98.

Lectotypes are designated for 23 Kolenati's species and varieties in the Museum of Natural History, Vienna. The synonymies of *Rhabdocoris arcuata* Kolenati, 1845 with *Leptocoris acuta* (Thunberg, 1783) and of *Eurydema armeniacum* Kolenati, 1846 with *E. fieberi* Fieber, 1837 are restored. The following new synonymies are established: *Liorhyssus hyalinus* (Fabricius, 1794) = *Corizus rubescens* Kolenati, 1845; *Sehirus luctuosus* Mulsant & Rey, 1866, nomen protectum = *Cydnus affinis* var. *ibericus* Kolenati, 1846, nomen oblitum; *Geotomus elongatus* (Herrich-Schaeffer, 1840) = *Cydnus caucasicus* Kolenati, 1846 (*G. ciliatitylus* Signoret, 1881 is a good species, not synonymous with *C. caucasicus*); *Eurygaster integriceps* Puton, 1881, nomen protectum = *E. hottentotta* var. *obliqua* Kolenati, 1846, nomen oblitum.

I.M. Kerzhner, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St.Petersburg 199034, Russia. E-mail: kim@ik3599.spb.edu

## Introduction

F.A. Kolenati (1812-1864), outstanding Czech zoologist, made a trip to Transcaucasia (1842-1844), where he collected an extensive material of animals (about 400 specimens of vertebrates, some molluscs and about 32 000 specimens of insects), many plants (about 12 000 specimens) and minerals (Flasar, 1965). The trip was financially supported by the Russian Academy of Sciences. According to a report by Brandt (1845), Kolenati donated many of the collected animals (47 specimens of mammals, 69 of birds, 48 of amphibians, 3 of crustaceans, 12 600 of insects, 48 of molluscs), including all the unique specimens, to the Zoological Museum of the Russian Academy of Sciences, St.Petersburg. He worked in this museum as assistant during about two years. In St.Petersburg, he made acquaintance with local amateur entomologists and exchanged specimens with them (Simashko, 1861). When returning to Prague, Kolenati apparently took almost all his Caucasian collection with him, at least only very few of his Heteroptera (some of them received with Kuschakewitsch's collection) are now found in St.Petersburg. He took also some specimens of Heteroptera from the collection of the St.Petersburg Museum, especially those from Brazil and Siberia. Soon after return to Prague, Kolenati has sold his Caucasian collection together with specimens taken from St.Petersburg to the Museum of Natural History in Vienna (Naturhistorisches Museum in Wien).

Kolenati published results of study of Caucasian insects, together with some other entomological studies, in the series "Meletemata Entomologica". The first five parts of this series were published separately in St.Petersburg by the Russian Academy of Sciences in 1845-1846; the next three parts (the last of them subdivided into 5 sections and not finished) appeared as papers in the "Bulletin de la Société impériale des naturalistes de Moscou" (1857-1859). Heteroptera were considered in 3 parts of this series (1845, 1846a, 1857). It has long been known that Kolenati described or recorded from the Caucasus, along with true Caucasian species of Heteroptera, several dozens of species not occurring there. They originated from Brazil (collected by Langsdorff), Siberia (Gebler and others), Estonia (Obert), etc., or were collected by Kolenati or his friends in environs of St.Petersburg. In some cases, Kolenati cited for such species both the true data on the locality and collector and false data on its collecting in the Caucasus, but in many cases he indicated only a false Caucasian record, sometimes with citation of "exact" Caucasian locality and host plant.

Kolenati's specimens in the Naturhistorisches Museum in Wien bear narrow labels with short text (one word). They are easily recognizable. During my work in this museum, I was able to examine the collection and have found type specimens of most of the species and varieties of Coreoidea and Pentatomoidea described by Kolenati. Their lectotypes are designated below.

Recognition of Kolenati's specimens in the collection of Zoological Institute, St.Petersburg is more difficult. Specimens labelled "Caucasus" and "Kolenati" are found for *Jalla anthracina* (lectotype) and *Carpocoris bilunulata* (paralectotype), the latter with a handwritten label. The same handwriting is revealed in labels of exemplars of *Centrocoris variegata* listed by Kiritshenko (1916) as Kolenati's specimens, the lectotype of *Corizus caucasicus*, and a specimen of *Alydus tragacanthae*. They have the identification label only, and their belonging to the Kolenati's specimens is therefore more or less problematic. In addition, the same handwriting is found in a label "*Raphigaster Germarii* Kolenati an *virens* Klug" under a male of *Brachynema germarii* from Samarkand collected by Lehmann. The latter was possibly identified by Kolenati, who participated in identification of Lehmann's insects.

In the paper, information on the type localities from the original descriptions is cited in brackets. Labels are separated by oblique stroke; those not stated as handwritten are the printed ones. The following abbreviations are used: NHMW, Naturhistorisches Museum, Wien; ZIN, Zoological Institute, St.Petersburg.

#### Family COREIDAE

**Centrocoris westwoodii** Kolenati, 1845: 46, pl. 7, fig. 1 ("in ... provinciae ... Karabagh et in confinio Persiae"). *Lectotype* (designated by Dolling, 1977; NHMW): ♀, Kolenati/ Karabach/ *Westwoodi* det. Kolenati [handwritten]/ *Lectotype*/ *Lectotype* *Centrocoris westwoodi* Kol. det. W.R. Dolling, 1972. Current name: *Vilga westwoodii* (Kolenati, 1845). – **Note.** It is a Neotropical species. F.X. Fieber made to this species a note in the copy of Kolenati's work from the library of the Vienna Museum: "Habitat in Brasilia, rapacit in Museo imp." (Distributed in Brazil, stolen from the Imperial Museum [in St.Petersburg]). Dolling (1977) incorrectly stated that the LT is in ZIN; it is actually in NHMW.

**Centrocoris variegata** Kolenati, 1845: 46, pl. 7, fig. 2 ("in ... provinciae Elisabethopoleos"). *Lectotype* (present designation; NHMW): ♀, Elisabethop/ Kolenati. Current name: *C. variegatus* Kolenati, 1845. – **Note.** The lectotype is clearly the specimen figured. In ZIN, there are 3 specimens (on one pin) labelled "*Centrocoris Klti variegata*" [handwritten]; they are listed by Kiritshenko (1916) as Kolenati's specimens, but I cannot confirm or refute this attribution.

**Centrocoris pallescens** Kolenati, 1845: 47, pl. 7, fig. 3 ("in ... provinciae Karabagh"). *Lectotype* (present designation; NHMW): ♀, Karabach/ Kolenati/ 3 [figure number]. Current name: *C. spiniger* (Fabricius, 1781).

**Centrocoris lehmannii** Kolenati, 1857: 496 ("in desertis Kirghisorum, praecipue deserto Ksil-Kum ... (Lehmann!) (Coll. Acad. sc. Petropol.)). Type specimens are found neither in NHMW nor in ZIN. Kolenati cited in synonymy "*Syromastes Corallinus*. Mus. Berolin. *Syromastes damietta*. Mart." If a specimen labelled "*Syromastes corallinus*" is present in the Museum of Natural History, Humboldt University, Berlin, it can be considered a syntype. Current name: *Cercinthus lehmannii* (Kolenati, 1857).

**Coreus (Palethrocoris) disciger** Kolenati, 1845: 49, pl. 7, fig. 4 ("in ... Karabagh"). *Lectotype* (present designation; NHMW): ♀, Karabach/ Kolenati/ 4 [figure number]/ *Enoplops disciger* Kol. [handwritten by Fieber]. Current name: *Enoplops disciger* (Kolenati, 1845).

**Hebecerus persicus** Kolenati, 1845: 66, pl. 8, fig. 9 ("Karabagh, in confinio Persiae"). *Lectotype* (present designation; NHMW): ♂, Karabagh/ Kolenati/ *Hebecerus Persicus* Kolenati, patria false. Mel. [handwritten]. Current name: *Merocoris tristis* Perty, 1833. – **Note.** This is a Neotropical species.

**Coreus (Gonocerus) marginatus** var. *inermis* Kolenati, 1845: 52. No Kolenati's specimens are found. Current name: *Coreus marginatus* (Linnaeus, 1758).

#### Family ALYDIDAE

**Alydus hirsutus** Kolenati, 1845: 64, pl. 8, fig. 8 ("prope Elisabethopolin et in provincia Karabagh, nec non in provinciis Caspicis"). *Lectotype* (present designation; NHMW): ♂, Cauc. occ. / Kolenati/ *Alydus hirsutus* Kol. [handwritten by Fieber]. Current name: *Alydus calcaratus* (Linnaeus, 1758).

**Alydus tragacanthae** Kolenati, 1845: 65, pl. 8, fig. 7 ("in Astragalo Caucasio (Pall.) etiam Transcaucasiae et in confinio Turciae, prope Alexandropol"). *Lectotype* (present designation; NHMW): ♂, Karabach/ Kolenati/ 7 [figure number]/ *Camptopus tragacanthae* [handwritten by Fieber]. *Paralectotype* (NHMW): ♂, Kolenati/ Karabach. Current name: *Camptopus tragacanthae* (Kolenati, 1845). – **Note.** In the ZIN collection, there is a female labelled "*Alydus Tragacanthae* Kolenati N 20 fig. 7"; the handwriting is the same as in the lectotype of *Corizus caucasicus* and specimens of *Centrocoris variegatus* ascribed to Kolenati by Kiritshenko (1916).

**Rhabdocoris arcuata** Kolenati, 1845: 68, pl. 8, fig. 11 ("in ... montis Ssalwat, Caucasi Lhesgici"). *Lectotype* (present designation; NHMW): ♂ (genitalia examined), Ssalwat/ Kolenati/ *Rabdocoris* [sic] *Arcuata* [handwritten]

ten]. Current name: *Leptocoris acuta* (Thunberg, 1783) = *Rhabdocoris arcuata* Kolenati, 1845, **syn. rest.** (not **syn.** of *L. oratoria* (Fabricius, 1794)). – **Note.** Kolenati (1846b: 170) placed *Rhabdocoris* in synonymy with *Leptocoris* Latreille, 1829, and the species was subsequently synonymized with *L. acuta* (Thunberg, 1783). However, Ahmad (1965) placed *Rh. arcuata* in synonymy with the Oriental species *L. oratoria* (Fabricius, 1794). Ahmad (1965: 94) regarded as holotype of *Rh. arcuata* a male from the ZIN collection labelled “k. A. Kushakevicha” [in Cyrillic characters; = collection of A. Kushakevich] and “*Rhabdocoris Klti armatus Klti* Mel. II, p. 67” [handwritten]. This specimen originates not from Kolenati’s collection and is markedly wider and darker than that figured by Kolenati; certainly, it does not belong to the type series. The specimen from NHMW fits well the published figure and is apparently the specimen from which Kolenati’s description was made. *L. acuta* is a species widely distributed in Oriental and Australian regions and the SE Palaeartic (China, Japan), but not occurring in the Caucasus.

#### Family RHOPALIDAE

**Corizus caucasicus** Kolenati, 1845: 59, pl. 7, fig. 5 (“in ... Caucasi”). *Lectotype* (designated by Putshkov & Kerzhner, 1983; ZIN): ♂, *caucasicus* Kolenati N. 19. tab. 4. fig. 5 [handwritten]. *Paralectotype* (NHMW): ♂, Cauc/ Kolenati. Current name: *Maccevethus errans caucasicus* (Kolenati, 1845). – **Note.** There is some doubt about belonging of the lectotype to the type series. The handwriting of the label under the lectotype is identical to that of 3 specimens of *Centrocoris variegatus* cited by Kiritschenko (1916) as Kolenati’s specimens. As further evidence is needed to confirm or refute the authenticity of the lectotype, I refrain from changes. Anyhow, the lectotype and the paralectotype (which is obviously a Kolenati’s specimen) are conspecific.

**Corizus rubescens** Kolenati, 1845: 59, pl. 7, fig. 6 (“in ... provinciae Karabagh”). *Lectotype* (present designation; NHMW): ♂, Caucasus/ Kolenati/ 6 [figure number]. Current name: *Liorhysus hyalinus* (Fabricius, 1794) = *Corizus rubescens* Kolenati, 1845, **syn. n.** – **Note.** *C. rubescens* was hitherto placed in synonymy with *Rhopalus parumpuntatus* (Schilling, 1829), *Rh. rufus* (Schilling, 1829), or *Rh. lividus* Fieber, 1861.

#### Family CYDNIDAE

**Cydnus affinis** var. **ibericus** Kolenati, 1846a: 69 (“Iberiae”). *Cydnus affinis* Herrich-Schaeffer, 1835 is a junior synonym of *Sehirus morio* (Lin-

naeus, 1761). In NHMW, there is a female of *Sehirus luctuosus* Mulsant & Rey, 1866 labelled “Karabach”. It fits well the original description of var. *ibericus*, except the differing locality in the label. Because of this contradiction, I abstain from designation of lectotype. However, the original description of var. *ibericus* (large, strongly shining body, with white membrane) fits *S. luctuosus*, and the following synonymy should be established: *Sehirus luctuosus* Mulsant & Rey, 1866, nomen protectum = *Cydnus affinis* var. *ibericus* Kolenati, 1846, **syn. n.**, nomen oblitum. – **Note.** Kolenati’s name has not been used as valid after 1899. The name *S. luctuosus* was used in many dozens of publications in the last 50 years. A selected list of 25 works (for full references see Aukema & Rieger, 1995) is given below to fulfill the requirements of Art. 23.9 of the Code: Andersen & Gaun, 1974; Aukema, 1989; Cmoluchowa & Mielewczyk, 1990; Coulianos & Ossiannilsson, 1976; Gidayatov, 1982; G nther & Schuster, 1990; Hal szfy, 1959; Hoberlandt, 1956a, 1959a, 1977a; Huld n & Heikinheimo, 1989; Josifov, 1981; Kerzhner & Jaczewski, 1964; Kiritschenko, 1964; Kis, 1984; Kloet & Hincks, 1964; Lammes & Rinne, 1990; Linnavuori, 1967; Lis, 1989a; Putshkov, 1961, 1965; Servadei, 1967; Southwood & Leston, 1959; Wagner, 1961a, 1966a).

**Cydnus caucasicus** Kolenati, 1846a: 70, pl. 15, fig. 34 (“montis Kasbek, ... ad pagum osseticum G rgeti”). *Lectotype* (present designation; NHMW): ♀, Kasbek/ Kolenati/ *caucasicus* Kol. [handwritten]. Current name: *Geotomus elongatus* (Herrich-Schaeffer, 1840) = *Cydnus caucasicus* Kolenati, 1846, **syn. n.** (not senior synonym of *Geotomus ciliatitylus* Signoret, 1881). – **Note.** The lectotype fits well the illustration, except the setation of head (there are no setae or setiferous pores on clypeus) and sides of hemelytra (there are only 2 setiferous pores on each hemelytron). Owing to the inexactly illustrated setation, *Geotomus ciliatitylus* Signoret, 1881, **sp. dist.** (type locality: Teheran) was placed in synonymy with *G. caucasicus* by Horv th (1918: 323) and treated subsequently as its junior synonym or a subspecies. This synonymy is erroneous. The lectotype of *Cydnus caucasicus* is not conspecific with *G. ciliatitylus*, and *G. ciliatitylus* even does not occur in the area from which *C. caucasicus* was described: confirmed records of *G. ciliatitylus* in Transcaucasia are only from Armenia and Azerbaijan.

**Cydnus caucasicus** var. **rufulus** Kolenati, 1846a: 70 (apparently from the same locality as f. *typica*). No type material found either in Vienna or in St. Petersburg. Probably, a teneral specimen of the preceding species. – **Note.** Kerzhner (1972) speculated about a female of *Byrsinus* sp.

in ZIN labelled “Caucasus” and “*Caucasicus* Kolenati” [handwritten] that it is possibly a syntype of *C. caucasicus* var. *rufulus*. This supposition is not substantiated, as the second label is handwritten by E. Ménétrière, not by Kolenati.

#### Family SCUTELLERIDAE

***Odontoscelis fuliginosa* var. *iberica*** Kolenati, 1846a: 7 (“in ... Iberiae”). *Lectotype* (present designation; NHMW): ♀, Kolenati. Current name: *Odontoscelis fuliginosa* (Linnaeus, 1761). – **Note.** There are four Kolenati’s specimens of *O. fuliginosa* in the NHMW collection, one of them (female) belongs to f. *typica*, and other three, to varieties described by Kolenati (their identity is determined from original descriptions). The name “Iberia” was used in Latin for both current Georgia and current Iberian Peninsula. Kolenati definitely had in mind the first sense, but Kirkaldy (1909: 265) and Göllner-Scheiding (1986) erroneously accepted that “Iberia” meant Spain. Göllner-Scheiding (1986) did not found the type, designated a neotype from Portugal, and used the name *Odontoscelis iberica* Kolenati for a species from the Iberian Peninsula. Later (Göllner-Scheiding, 1987), she recognized the mistake and proposed the name *O. hispanica* for the species discussed. As the original type material is rediscovered, the neotype is set aside (Code, Art. 75.8).

***Odontoscelis fuliginosa* var. *pallasii*** Kolenati, 1846a: 7 (“in ... Caucasi Lhesgici et prope mare Caspium”). *Lectotype* (present designation; NHMW): ♂ (genitalia examined), Cauc/ Kolenati. Current name: *Odontoscelis fuliginosa* (Linnaeus, 1761).

***Odontoscelis fuliginosa* var. *caucasica*** Kolenati, 1846a: 7 (“in Caucasi occidentalis”). *Lectotype* (present designation; NHMW): ♀, Caucasus/ Kolenati. Current name: *Odontoscelis fuliginosa* (Linnaeus, 1761).

***Odontoscelis dorsalis*** Kolenati, 1857: 498 (“in desertis Kirghisorum et in Turcomania. (Lehmann!) (Mus. Caes. Acad. Petropol.)”). No types are found either in ZIN or NHMW. Current name: *Odontoscelis dorsalis* (Fabricius, 1798). – **Note.** Kolenati’s specific name is a junior homonym and synonym of Fabricius’s name. Much probably the author’s name “Kolenati” was placed after the species name in error.

***Eurygaster hottentotta* var. *obliqua*** Kolenati, 1846a: 12 (“cum precedentis [i.e. in Transcaucasia]”). *Lectotype* (present designation; NHMW): ♂ (genitalia examined), Transcauc/ Kolenati. Current name: *Eurygaster integriceps* Puton, 1881, nomen protectum = *E. hottentotta* var. *obliqua* Kolenati, 1846, **syn. n.**, nomen oblitum. – **Note.** Kolenati attributed the varietal

name to Leach, but no such a name is found in publications by Leach, and all subsequent authors credited the name to Kolenati. The name was hitherto considered to be a synonym of *E. austriacus* (Schrank, 1776). There are 9 Kolenati’s specimens of *Eurygaster* in the NHMW collection, all belong to *E. integriceps*. The specimen designated as lectotype is markedly darker than other specimens and with well developed colour pattern, thus clearly fitting the original description. The name *obliqua* has not been used after 1899 as valid name, even for a variety. The name *E. integriceps* refers to an important pest of cereals and is used in many hundreds of books and papers. In accordance with Art. 23.9 of the Code, precedence is given to the name *E. integriceps* Puton.

#### Family PENTATOMIDAE

***Odontotarsus notoceras*** Kolenati, 1857: 497, pl. 3, fig. 4a, b, c (“in Tauria et Caucaso (Kolenati!) (Mus. Caes. Viennense et Mus. auctoris)”). *Lectotype* (present designation; NHMW): ♂, Kolenati/ *Odontotarsus* Kol. *Notoceras* Kolen. Cauc. [handwritten]/ *virescens* [handwritten] det. Reuter/ *virescens* H.S. sec. Reut. [handwritten]. Current name: *Tarisa virescens* (Herrich-Schaeffer, 1851).

***Eurydema oleraceum* var. *angularis*** Kolenati, 1846a: 23 (“prope Alexandropolim ... Petropoli unicum etiam exemplar inveni”). *Lectotype* (present designation; NHMW): ♀, Petropol/ *oleracea* var. *angularis* Kolen. Petersb. [handwritten]. Current name: *Eurydema oleracea* (Linnaeus, 1758). – **Note.** In the lectotype, the abdomen ventrally is dark brown, not yellow with dark spots as stated in the original description.

***Eurydema gebleri*** Kolenati, 1846a: 23, pl. 15, fig. 30 (“in provinciis Caspicis Scheki, Schirwan et Baku. Etiam a Do. Gebler e Dauria”). *Lectotype* (present designation; NHMW): ♂, Nertschinsk/ Stschukin. *Paralectotype* (NHMW): ♀, Barnaul. Current name: *Eurydema gebleri* Kolenati, 1846. – **Note.** This species is common in Siberia (from which obviously all the Kolenati’s material originated), but does not occur in the Caucasus. The specimen from Barnaul was apparently collected by Gebler. The lectotype is the specimen figured by Kolenati. In the paralectotype, the hind black spots on the pronotum are fused; it was described by Kolenati as a variety.

***Eurydema ornatum* var. *ventralis*** Kolenati, 1846a: 26 (“in Caucaso et Transcaucasia”). The lectotype will be designated by V.V. Derzhansky. Current name: *Eurydema ventralis* Kolenati, 1846.

***Eurydema lhesgicum*** Kolenati, 1846a: 28, pl. 15, fig. 31 (“prope montem Ssalwat et urbem Nucha”). *Lectotype* (present designation;

NHMW): ♂, Ssalwat/ Kolenati. *Paralectotypes* (NHMW): ♂, Transcauc.; ♂, Gebler; ♀, Sibir./ Gebler; ♂, Petropol/ Kolenati. Current name: *Eurydema dominulus* (Scopoli, 1763). – **Note.** The lectotype is the specimen figured by Kolenati. This species does not occur in the Caucasus; apparently all Kolenati's specimens originated from Siberia and environs of St.Petersburg.

**Eurydema armeniacum** Kolenati, 1846a: 28, pl. 15, fig. 32 (“prope Gumri (Alexandropolin) Armeniae montuosae, in confinio Turciae et in districtu Pambakiano”). *Lectotype* (present designation; NHMW): ♀, Elisabeth./ Kolenati/ *Strachia dominula* Harr. *Fieberi* Schl. *armeniaca* Kol. [handwritten by Fieber]. *Paralectotype* (NHMW): ♀, Karabach/ Kolenati/ *Armeniacum* Kolen. [handwritten]. Current name: *Eurydema fieberi* Fieber, 1837 = *E. armeniacum* Kolenati, 1846, **syn. rest.** – **Note.** The above synonymy was long and universally accepted. Wagner (1959, 1961, 1962, 1968) without substantiation listed *E. armeniacum* as a species separate from *E. fieberi* in faunal lists for Turkey, Iran and Macedonia, but examination of large series and the types of *E. armeniacum* did not reveal any support for Wagner's opinion.

**Eurydema pictum** var. **conjuncta** Kolenati, 1846a: 30 (“Duo exemplaria accepti e districtu Eriwan a consorti meo Do. Fricke”). Type specimens are not found. Current name: *Eurydema ornata* (Linnaeus, 1758).

**Jalla herrichii** Kolenati, 1846a: 35, pl. 15, fig. 33 (“in provincia Elisabethopol”). *Lectotype* (designated by Gidayatov, 1975; ZIN): ♂, Cauc/ Kolenati. *Paralectotypes* (NHMW): ♀, Kolenati/ Elisabethopol.; ♀, Elisabethopol./ Kolenati; ♀, Kolenati. All paralectotypes with additional label “*Herrichii* [handwritten by Horváth] det. Horváth”. Current name: *Agatharchus herrichii* (Kolenati, 1846).

**Carpocoris pusio** Kolenati, 1846a: 48, pl. 16, fig. 39 (“in ... provinciae Karabagh”). *Lectotype* (present designation; NHMW): ♂, Karabach/ Kolenati/ Typus *P. pusio* Kolen. [handwritten by Tamanini]/ *Codophila (Antheminia) pusio* Kol. [handwritten by Tamanini] det. L. Tamanini 1960. Current name: *Antheminia pusio* (Kolenati, 1846).

**Carpocoris bilunulata** Kolenati, 1846a: 51, pl. 16, fig. 35 (“in ... provinciae Elisabethopol”). *Lectotype* (present designation; NHMW): ♂, Elisabethopol/ Kolenati. *Paralectotype* (ZIN): ♀, Kolenati/ Caucasus/ *bilunulata* Kolenati [handwritten; same handwriting as in the label of the lectotype of *Corizus caucasicus*]. Current name: *Codophila varia* (Fabricius, 1787). – **Note.** The lectotype is the specimen figured by Kolenati.

**Carpocoris bilunulata** var. **persica** Kolenati, 1846a: 51, pl. 16, fig. 36 (“in provincia Karabagh et Persia septemtrionali”). *Lectotype* (present

designation; NHMW): ♂, Elisabethopol/ Kolenati. *Paralectotype* (NHMW): ♂, Elisabethopol/ Kolenati. Current name: *Codophila varia* (Fabricius, 1787). – **Note.** The lectotype is the specimen figured by Kolenati. In the paralectotype, antennae are incomplete and antennal segment 1 is reddish.

**Carpocoris bilunulata** var. **nubica** Kolenati, 1846a: 51, pl. 16, fig. 37 (“A Do. Awerow e Nubia”). *Lectotype* (present designation; NHMW): ♂, Nubia. Current name: *Codophila varia* (Fabricius, 1787). – **Note.** The lectotype is the specimen figured by Kolenati. There are further 3 specimens labelled “Nubia” in NHMW; they belong to *Codophila maculicollis* (Dallas, 1851) and do not fit the original description of *C. bilunulata* var. *nubica*.

**Raphigaster germarii** Kolenati, 1846a: 56, pl. 16, fig. 38 (“in confiniis Persiae”). *Lectotype* (present designation; NHMW): ♂, Karabach/ Kolenati. Current name: *Brachynema germarii* (Kolenati, 1846).

#### Acknowledgements

I am very thankful to Dr. H. Zettel (Naturhistorisches Museum in Wien) for the opportunity to work with Kolenati's collection in Vienna and for sending me some Kolenati's type specimens for further study.

#### References

- Ahmad, I. 1965. The Leptocorisinae (Heteroptera: Alydidae) of the world. *Bull. Brit. Mus. (natur. Hist.) (Entomol.)*, Suppl. 5: 1-156.
- Aukema, B. & Rieger, Chr. 1995. *Catalogue of the Heteroptera of the Palaearctic Region*, 1. Netherlands Entomol. Soc. xxvi + 222 p.
- Brandt, J.F. 1845. Sur la récolte zoologique de voyage de M. Kolenati. *Bull. Cl. phys.-math. Acad. Imp. Sci. St.Petersbourg*, 4: 172-174.
- Dolling, W.R. 1977. A revision of the Neotropical genus *Vilga* Stål (Hemiptera: Coreidae). *Syst. Entomol.*, 2: 27-44.
- Flasar, I. 1965. Prof. Dr. Friedrich Anton Kolenati. *Práce odboru přírodních věd Vlastivědného ústavu v Olomovci*: 1-28.
- Gidayatov, D.A. 1975. The synonymy of some bugs (Heteroptera) from the Caucasus. *Entomol. Obozr.*, 54(3): 589-590. (In Russian).
- Göllner-Scheiding, U. 1986. Revision der Gattung *Odonotoscelis* Laporte de Castelnau, 1832 (Heteroptera, Scutelleridae). *Deut. entomol. Z. (N. F.)*, 33: 95-127.
- Göllner-Scheiding, U. 1987. Ergänzung und Korrektur zu der Revision der Gattung *Odonotoscelis* Laporte de Castelnau, 1832 (Heteroptera, Scutelleridae). *Deut. entomol. Z. (N. F.)*, 34: 217-218.
- Horváth, G. 1918. Ad cognitionem faunae hemipterorum balcanicae. *Ann. hist.-natur. Mus. nat. Hung.*, 16: 321-340.
- Kerzhner, I.M. 1972. New and little-known Heteroptera from Mongolia and adjacent regions of the USSR, 1. *Nasekomye Mongolii*, 1: 349-379. Leningrad: Nauka. (In Russian).
- Kiritshenko, A.N. 1916. Coreidae: Coreinae. *Fauna Rossii i sopredel'nykh stran, Nasekomye poluzhestkokrylye (Insecta, Hemiptera)*, 6(2). Petrograd. v + 395 p. (In Russian with Latin diagnoses).

- Kirkaldy, G.W.** 1909. *Catalogue of the Hemiptera (Heteroptera). 1, Cimicidae*. Berlin: Dames. xl + 392 p.
- Kolenati, F.A.** 1845. *Meletemata Entomologica II. Hemiptera Caucasi Tessaratomidae monographice dispositae*. Petropolis: Acad. Sci. 132 p.
- Kolenati, F.A.** 1846a. *Meletemata Entomologica IV. Hemiptera Caucasi Pentatomidae monographice dispositae*. Petropolis: Acad. Sci. ii + 72 p.
- Kolenati, F.A.** 1846b. *Meletemata Entomologica V. Insecta Caucasi. Coleoptera, Dermaptera, Lepidoptera, Neuroptera, Mutillidae, Aphaniptera, Anoplura*. Petropolis: Acad. Sci. iii + 170 p.
- Kolenati, F.A.** 1857. *Meletemata Entomologica [VI]. Hemipterorum Heteropterorum Caucasi Harpagocorisae monographice dispositae. Additamenta ad Meletematum Entomologicorum Fasciculum II-dum. Additamenta ad Meletematum Entomologicorum Fasciculum IV-tum. Additamenta ad Meletematum Entomologicorum Fasciculum V-tum*. *Bull. Soc. imp. Natur. Moscou*, **29**(4), 1856: 419-502.
- Putshkov, V.G. & Kerzhner, I.M.** 1983. On the nomenclature of bugs of the family Rhopalidae (Heteroptera) of the USSR. *Entomol. Obozr.*, **62**(1): 80-82. (In Russian).
- Simashko, Yu.** 1861. On foundation of the Russian Entomological Society. *Horae Soc. entomol. Ross.*, **1**: 45-53. (In Russian).
- Wagner, E.** 1959. Beitrag zur Heteropterenfauna Anatoliens. *Z. angew. Entomol.*, **44**(1): 102-113.
- Wagner, E.** 1961. Beitrag zur Heteropteren-Fauna von Iran. Ergebnisse der Österreichischen Iran-Expeditionen 1949/50 und 1956. *Anz. math.-naturwiss. Kl. Österr. Akad. Wiss.*, **1961**(10): 156-164.
- Wagner, E.** 1962. 2. Beitrag zur Heteropteren-Fauna Macedoniens (Hem. Het.). *Fragm. Balcan.*, **4**: 115-122.
- Wagner, E.** 1968. Contribution a la faune de l'Iran. 7. Hémiptères Hétéroptères (pro parte). *Ann. Soc. entomol. France* (N. S.), **4**: 437-453.

Received 20 August 2003