# Type specimens of Heteroptera described by L.R. Meyer-Dür

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A list of L.R. Meyer-Dür's extant type specimens of European Miridae and Argentinian Nabidae in the American Museum of Natural History is given. Lectotypes are designated for 15 nominal species. Previous lectotype designations for Psallus argyrotrichus Fieber and Psallus dilutus Fieber are considered invalid. A new synonymy is established: Psallus haematodes (Gmelin, 1790) = Plagiognathus decolor Lindberg, 1934.

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#### Introduction

L.R. Meyer-Dür (1812-1885), eminent Swiss entomologist, published 4 papers (1841, 1843, 1870a, 1870b) containing descriptions of new species of Heteroptera. His collection was long kept in the Harvard University, USA, and some years ago was gifted to the American Museum of Natural History, New York, where it was included in the general collection of Heteroptera. All specimens of Meyer-Dür collection have a small printed label "Meyer-Dür Collection", which is not mentioned in the later text. Types of four species described in 1870 are adequately labelled and easily recognizable. Recognition of types for species described in 1841 and 1843 is much more difficult. Certainly, in some species the original material was lost and the later collected material added. With few exceptions, specimens from Meyer-Dür collection have no collecting labels; identification labels (all in Meyer-Dür's handwriting) are placed under the first specimen and judging from the used synonymy are written after 1860.

Most specimens are glued on cards and triangles of four main types.

(1) Cards and triangles of dull thin cardboard. They are apparently the oldest judging from their appearance and especially from the case of Capsus (now Pachytomella) parallela Meyer-Dür, in which specimens differing in preparation certainly do not belong to the type series.

(2) Triangles of dull thick cardboard. Some specimens on such triangles have hand-written labels on green or yellow paper indicating day and month of collecting and locality ("Schafmt.", "Sütisbch.") and some are labelled "Jura". Apparently these specimens belong to later collected material.

(3) Cards and triangles of shining thin cardboard. Some specimens on such cards and triangles have labels indicating their capture at Burgdorf and other localities in Switzerland in 1869 and 1870. Specimens on such cards and triangles are common in material exchanged by Meyer-Dür to colleagues (Fieber, Puton, Jakovlev)

in the end of 60's to beginning of 70's. Apparently such cards and triangles were used in that period.

(4) Cards with a transverse red or black line. Such cards apparently were used for material collected outside Switzerland, because most species do not occur in Switzerland and some specimens are labelled "Carcassone, Gavoy".

Specimens on cards and triangles of the first type are considered as the only which may belong to the type series of the species described in 1841 and 1843. Of the 23 new species described by Meyer-Dür in these works, six were described from specimens collected by other persons. For none of them types are found, apparently they were returned to the owners. For remaining species, except Capsus pabulinus var. alpestris and Capsus parallelus, Meyer-Dür had material collected by him at Burgdorf. Lectotype designations in respective cases are considered also as restrictions of the type locality to Burgdorf. All designated lectotypes agree with the current interpretation of respective species.

All species described by Meyer-Dür are listed in alphabetic order of their original names; the species whose type specimens are found are marked with an asterisk. All labels are in Meyer-Dür's handwriting (if not stated otherwise).

#### Family MIRIDAE

Capsus atomarius Meyer-Dür, 1843: 73. Described from one specimen collected by Meyer-Dür at Ramisberg and one collected by Imhoff at Basel. Types apparently lost. The only specimen in Meyer-Dür collection is a female labelled "Hadrodema atomaria, Vosges" (Puton's handwriting). Currently Pinalitus atomarius (Meyer-Dür, 1843).

\* Capsus avellanae Meyer-Dür, 1841: 83. Described from Burgdorf. *Lectotype*: Q, glued on triangle, labelled "coryli L. pallipes Hhn." There are also 3 d and 1 Q glued on shining cards. Junior synonym of *Phylus coryli* (Linnaeus, 1758).

Capsus brevicollis Meyer-Dür, 1843: 47. Described from one specimen collected by Buess in Geneva. In the collection under label "chenopodii Fil." there are 3

specimens (1 o, 1 o, 1 without abdomen). It is impossible to conclude whether one of them is the holotype, it is assumed that all of them belong to later collected material. Junior synonym of *Adelphocoris lineolatus* (Goeze, 1778).

\* Capsus brunnipennis Meyer-Dür, 1843: 66. Described from Burgdorf. Lectotype: Q, glued on card, labelled "arbustorum F. et var. hortensis MD., brunnipennis MD". (label transferred by me from the pin of a specimen labelled "6.VII. Sütisbch"); fitting well original description except orange colour of cuneus indistinct. Paralectotype: Q, glued on card, no labels, teneral specimen with dorsal surface brownish yellow and hind margin of head paler. Junior synonym of Plagiognathus arbustorum (Fabricius, 1794).

Capsus coccineus Meyer-Dür, 1843: 75. Described from one specimen (female, judging from figure) collected by Ougspurger near Bern. In the collection there are 1 Q and 1 specimen without abdomen on shining triangles labelled "coccineus Westh.". Neither of the specimens seems to be the holotype. Currently Pseudoloxops coccineus (Meyer-Dür, 1843).

Capsus curvipes Meyer-Dur, 1843: 98. Described from several localities in Switzerland. Lectotype: o, pinned, labelled "thoracica Fil., o curvipes Meyer". There are also in the collection 1 on shining card without labels and specimens labelled "Hyeres" and "Lille, Puton". Junior synonym of Harpocera thoracica (Fallen, 1807).

Capsus decoratus Meyer-Dür, 1843: 88. Described from three localities in Switzerland from specimens collected by other persons. There are 1 d and 2 q glued on thick triangles, all of them teneral and reddish brown (not black as indicated in the original description). Apparently these specimens are not syntypes. Junior synonym of Globiceps sphaegiformis (Rossi, 1790).

Capsus elegantulus Meyer-Dür, 1843: 86. Described from one specimen found at Burgdorf. The only specimen in the collection is a male labelled "Sumpf 25 Sept. 69". It is surely not the holotype. Junior synonym of Cyrtorhinus caricis (Fallén, 1807).

\* Capsus fasciatus Meyer-Dür, 1841: 86. Described from specimens collected at Burgdorf. Lectotype: Q, glued on card, labelled "montanus Schill. fasciatus Meyer". Paralectotype: Q, same preparation, without labels. There are in the collection also 1 d and 1 Q on shining triangles and 2 Q on thick triangles on one pin labelled "3.VIII Sedrun" (Meyer-Dür said he collected the species from May to July!). Junior synonym of Orthops montanus (Schilling, 1837).

Capsus hortensis Meyer-Dür, 1843: 65. Described from Switzerland (localities not indicated). No suitable specimens found in the collection. Junior synonym of *Plagiognathus arbustorum* (Fabricius, 1794).

\*Capsus hortulanus Meyer-Dür, 1843: 77. Described from Burgdorf as a common species. Lectotype: \$\delta\$, glued on card, labelled "hortulanus Meyer". Paralectotypes: 2 \$\delta\$, 2 \$\oldsymbol{Q}\$, same preparation, no labels. According to Lindberg (1951), two additional paralectotypes are in O.M. Reuter's collection, Zoological Museum, Helsinki. Currently Tinicephalus hortulanus (Meyer-Dür, 1843).

\* Capsus lucorum Meyer-Dür, 1843: 46. Described from Burgdorf and additional specimens from Schaffhausen and Champel. Lectotype: Q, glued on triangle, labelled "lucorum MD, contaminatus Kbm.". Paralec-

totypes: 2 or glued on triangles and 1 of pinned, all without labels. Currently Lygocoris lucorum (Meyer-Dür. 1843).

\* Capsus mali Meyer-Dür, 1843: 63. Described from several specimens from Burgdorf. *Lectotype*: d, glued on triangle, without labels. In the collection there are also 3 females glued on shining cards. Currently *Atractotomus mali* (Meyer-Dür, 1843).

Capsus modestus Meyer-Dür, 1843: 69. Described from two specimens collected in environs of Burgdorf. Absent from the collection. Currently *Phoenicocoris modestus* (Meyer-Dür, 1843).

Capsus nitidus Meyer-Dür, 1843: 113. Described from one specimen collected by Heer from Alp Urschein in Unterengadin. In the collection there are only 2 Q at one card labelled "Orthocephalus nitidus, Htes Alpes". Currently Euryopicoris nitidus (Meyer-Dür, 1843).

\* Capsus pabulinus var. alpestris Meyer-Dür, 1843: 50. Described from specimens collected by Meyer-Dür near Solothurn and by Imhoff in two other places. Lectotype: 9, pinned, with damaged abdomen, labelled "alpestris Meyer". Paralectotypes: 1 6, 2 9, same preparation, without labels. Currently Calocoris alpestris (Meyer-Dür, 1843).

\*Capsus parallelus Meyer-Dür, 1843: 57. Described from males collected in several localities in Switzerland. Lectotype: \$\delta\$, glued on card, labelled "minor Costa, \$\delta\$ parallelus Meyer" (label transferred by me from a badly damaged male and intact female on one pin labelled "Puton" (Puton's handwriting)). Paralectotypes: 2 \$\delta\$, glued on one card, without labels. Other specimens in the collection are labelled "Hyeres" (1 \$\delta\$), "Carcassone, Gavoy" (1 \$\delta\$) and "Puton" (1 \$\delta\$, 1 \$\delta\$, see above) and obviously do not belong to types. Currently Pachytomella parallela (Meyer-Dür, 1843).

Capsus pyri Meyer-Dür, 1841: 87. A nomen oblitum. The species was later renamed by Meyer-Dür *C. mali* and the latter specific name was consistently and widely used.

Capsus solitarius Meyer-Dür, 1843: 83. Described from 20 collected near Burgdorf. In the collection there are 20 on shining triangles, one of them labelled "solitarius M. (seladonicus K.)", and 1 d on thick triangle without labels. As all specimens probably belong to later collected material, I abstained from type designation. Currently Macrotylus solitarius (Meyer-Dür, 1843).

\* Capsus spinolae Meyer-Dür, 1841: 86. Described from several specimens collected at Burgdorf. Lectotype: Q, glued on card, labelled "spinolae MD". Paralectotype: Q, same preparation, without labels. In the collection there are additional 1 d and 2 Q differing in preparation, of which one female is labelled "B" (Burgdorf?) and the other belongs to L. lucorum. Currently Lygocoris spinolae (Meyer-Dür, 1841).

Capsus ticinensis Meyer-Dür, 1843: 100. Described from one specimen collected at Lugano by Heer. No specimens in the collection. Currently Adelphocoris ticinensis (Meyer-Dür, 1843).

\* Capsus verbasci Meyer-Dür, 1843: 70. Described from specimens collected by Meyer-Dür at Burgdorf and additional specimens from other localities. *Lectotype:* \$\display\$ (the left of two, marked by red point), glued on card, labelled "verbasci HS.". Paralectotypes: 1 \$\display\$ and 2 \$\oldsymbol{Q}\$ on the same card plus genitalia of one additional

male in preparation on the same pin (the specimen is lost); 2 of on one card, similar preparation, without labels. Currently *Campylomma verbasci* (Meyer-Dür, 1843).

- Lygus putoni Meyer-Dür, 1870b: 207. Described from a single male collected in Marseille by Puton. Holotype: Q [sic!], glued on triangle, labelled "Put.n", "spinolae Marseille" (both in Puton's handwriting), "L. putoni MD n. sp.". Junior synonym of Taylorilygus apicalis (Fieber, 1861).
- \* Orthotylus pallidus Meyer-Dür, 1870b: 209. Described from unstated number of specimens from St. Tropez sent by A. Puton. Lectotype: Q, glued on triangle, labelled "Puton", "x. St. Tropez" (both in Puton's handwriting), "pallidus MD". Junior synonym of Icodema infuscata (Fieber, 1861).
- \* Phytocoris divergens Meyer-Dür, 1841: 87. Described from Burgdorf. Lectotype: 6, glued on card, labelled "divergens Mey. longicornis Wlf.". Paralectotypes: 3 6, same preparation, without labels. Junior synonym of Phytocoris ulmi (Linnaeus, 1758).

## Family NABIDAE

- \* Nabis argentinus Meyer-Dür, 1870a: 177. Described from Argentina. Lectotype: macropterous Q, labelled "Buenos Ayres", "Type 14392" (printed, except number), "Nabis argentinus M.D.". Paralectotypes: 2 macropterous and 2 brachypterous Q, all labelled "B. A. [Buenos Aires]" and "Type 14392", of them one macropterous male with an additional label "stimmt gut mit N. punctipennis Blanch. Fauna Chili 161, Pl. II, f. 7".
- \*Nabis elongatus Meyer-Dür, 1870a: 178. Described from Argentina. Lectotype: Q, labelled "B. A. [Buenos Aires]", "Type 14391" (printed, except number), "Nabis elongatus M. D.". Junior synonym of Nabis capsiformis Germar, 1838.

# On two lectotypes from Meyer-Dür collection designated by Wagner

Specimens collected by Meyer-Dür in Switzerland, Corsica and Spain were used by F.X. Fieber, G.A.W. Herrich-Schaeffer and some other of contemporaries for description of many dozens of new species. It seems that these authors did not return respective specimens to Meyer-Dür, at least no specimens labelled by these authors were found in the collection and most of these species are absent from Meyer-Dür's collection or represented by the opposite sex, e. g. Atomoscelis onustus Ficber is represented by a male, although described from female(s). In this connection the situation with lectotypes of two Fieber's species of Miridae designated by E. Wagner should be discussed.

Psallus argyrotrichus Fieber, 1861. As already indicated (Schuh & al., 1995), specimens of Meyer-Dür collection considered by Wagner (1963a) as types of this species do not belong to the type series and refer to Compsidolon crotchi (Scott, 1870). Wagner's lectotype designation is invalid. Wagner also placed Plagiognathus decolor Lindberg, 1934 in synonymy with "Plagiognathus argyrotrichus Fieber". The types of P. decolor are 4 \( \omega \) kept in the Zoological Museum, Helsinki. Judging from the dark spots on hind femora they belong to the pale extreme of Psallus haematodes.

Thus, a new synonymy is established: Psallus haematodes (Gmelin, 1790) = Plagiognathus decolor Lindberg, 1934, syn. n.

Psallus dilutus Fieber, 1861. Described as "P. dilutus Mey." from male(s) collected "in der Schweiz um Morges" by Forel and apparently received from Meyer-Dür. Mever-Dür collection contains 5 females of which 3, including one with Meyer-Dür's label "dilutus Fieb.", belong to Plagiognathus chrysanthemi (Wolff), one to Europiella alpina (Reuter) and one (certainly misplaced) to Orthops campestris (Linnaeus). Wagner (1961) examined this material and later (Wagner, 1963b) designated the specimen with Meyer-Dür's label (misinterpreted by him as Fieber's) as lectotype, thus placing Psallus dilutus in synonymy with Plagiognathus chrysanthemi. The specimen does not correspond to the original description in sex and some characters (dorsal side with black hairs, not pale hairs as stated in the original description). Surely, Wagner's lectotype designation is invalid and the identity of Psallus dilutus should be re-investigated.

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# Type specimens of Miridae described by O.M. Reuter in the Zoological Museum of the Moscow University (Heteroptera)

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The Fedtshenko's collection from Middle Asia kept in the Zoological Museum of the Moscow University was examined. A list of type specimens of Miridae described by O.M. Reuter and kept in this collection is given. Lectotypes of 22 species-group taxa are designated.

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The famous Russian naturalist and traveller A.P. Fedtshenko collected in 1869-1871 a rich material of Heteroptera in deserts and mountains of S Kazakhstan, Uzbekistan, Kirgizia and N Tadjikistan (for the list of localities see Fedtshenko, 1900). Miridae from his samples were identified by O.M. Reuter who described from them 42 new species and varieties and several new genera. Information on exact localities, dates and number of specimens, often not indicated in the original descriptions, was precised in the comprehensive paper on Fedtshenko's Miridae published by Reuter (1887) in Russian.

Type specimens of all species were returned by Reuter to the Moscow University. When two or more specimens of one species were present, Reuter retained some of them. These specimens are now in the collection of the Finnish Zoological Museum, Helsinki and partly in other museums. For 9 species lectotypes were designated from the Helsinki collection (Wagner, 1955, 1969; Kerzhner & Muminov, 1964; Kerzhner, 1970; Bykov, 1971; Rinne, 1989; Linnavuori, 1990, 1995). Type specimens of Myrmecophyes, apparently in connection with the revision of the genus by G. Horvath, were donated from the Moscow University to the Zoological Institute, St. Petersburg and are now kept here.

Fedtshenko's collection is preserved in the Zoological Museum of the Moscow University separately. Miridae are in two boxes. The specimens are pinned (rarely micropinned) and, with a few exceptions, have two labels: a square of colour paper with printed figure (from 1 to 31) and printed label with a name of locality in Russian. The first label refers to the date of collecting: the printed figure indicates the day; the colour of the square indicates the month (e. g., green-April, rosa-May, blue - June, yellow - July, dark blue - August,

orange - September); presence and position of crossing line indicates the year (not crossed - 1869, crossed on underside - 1870, crossed on upperside - 1871). For example, printed "2." on yellow square crossed on upperside indicates July 2, 1871. In the text below these code labels are deciphered and replaced by indication of the date of collecting. In some cases discrepancy between dates on labels and dates indicated by Reuter (1887) are noticed; probably these may be explained by inadvertant errors. The second (locality) label is here given in English transliteration (or translation). In each species one specimen is provided with a third, identification label written by Reuter; judging from the names in some of these labels, they are written several years after the original publications of the new taxa. Type labels added by the authors of this paper are not mentioned below. In some species the collection includes specimens not listed by Reuter (1887); we do not consider them syntypes and usually do not mention in this paper. Lectotypes of 23 species-group taxa are designated in this paper. Their names are marked with asterisk (\*). The paper is published in connection with preparation of the Miridae part for "The Catalogue of the Palaearctic Heteroptera".

Abbreviations used in the text: HT - holotype, LT - lectotype, PLT - paralectotype(s), MZHF - Finnish Zoological Museum, Helsinki, ZMAS - Zoological Institute, St. Petersburg, ZMUM - Zoological Museum, Moscow University. Labels are separated by oblique stroke.

\*alaiensis Reuter, 1883: 361 (Orthotylus). LT: Q, 21.VII.1871/ Alay/ Orthotylus alaiensis Reut. PLT: 2 Q, 21.VII.1871/ Alay.

alba Reuter, 1879a: 290 (Atomophora). PLT: 1 Q, 27.IV.1871/ Chardara/ Atomophora alba Reut.; 1 d, 27.IV.1871/ Chardara. LT (Linnavuori, 1990: 54): Q from Chardara in MZHF. Currently Camptotylidea id.

annulicornis Reuter, 1879a: 298 (Plagiognathus?). HT: Q, 13.V.1871/ Kizilkum/ Plagiognathus annulicornis Rt. Currently Badezorus id.

argyrotrichus Reuter, 1879c: 206 (Nasocoris). PLT: 1 q, 26.VI.1871/ Chiburgan/ Nasocoris argyrotrichus Reut.; 4 d, 3 q, 26.VI.1871/ Chiburgan. LT (Kerzhner, 1970: 641): d from Chiburgan in MZHF.

\*basalis Reuter, 1878: 59 (Neocoris). LT: 6, 20.VI. 1871/ Vorukh/ Neocoris basalis Reut. PLT: 20, 2. and 5.VII.1871/ Shagimardan. Currently Salicarus (Lobicris) id.

\*bipunctatus Reuter, 1879c: 205 (Megalobasis). LT: 6, 25.IV.1871/ Chardara/ Camptotylus bipunctatus Reut. Currently Camptotylus id.

\*breviceps Reuter, 1878: 82 (Plagiognathus?). LT: Q, 2.VII.1871 [21-23.VII in Reuter, 1887]/ Alay [there is discrepance between date and locality; 2.VII.1871 Fedtshenko collected at Shagimardan]/ Plagiognathus breviceps Reut. PLT?: Q, 28.VII.1871/ Kchi-Alay [only Alay mentioned in Reuter, 1887]. Currently Eumecotarsus id.

brevicornis Reuter, 1879c: 201 (Poeciloscytus). PLT: 1 d, 27.V.1871/ Tashkent/ Poeciloscytus brevicornis Reut.; 1 q, 12.VIII.1870 [11.VIII in Reuter, 1887]/ Tashkent; 1 q, 22.IV.1871/ Keles. LT (Rinne, 1989: 93): d from Tashkent in MZHF. Currently Polymerus id. brevipennis Reuter, 1879c: 203 (Labops (Pachytoma)). LT (Medvedeva, 1975: 818): d, 10.VII.1871/ Karakazuk/ Scirtetellus brevipennis Reut. Currently Scirtetellus id.

\*brevirostre Reuter, 1879c: 200 (Megacoelum). LT: 9, 3.V.1871/ Sutkent/ Megacoelum brevirostre Reut.

\*decolor Reuter, 1887: 7 (Brachycoleus scriptus var.). LT: Q, 27.V.1871/ Tashkent. PLT: 1 d? (remnants of pronotum and one fore wing), 20.V.1871/ steppe between S.d. [Syrdarya] and T[sahkent]/ Brachycoleus scriptus F. v. decolor Reut.; 1 d, 20.V.1871/ steppe between S.d. and T. Currently B. decolor.

\*desertorum Reuter, 1879a: 277 (Oncotylus). LT: 0, 13.V.1871/ Kizilkum. PLT: 1 0, 7.V.1871/ Karak/ Oncotylus desertorum Reut.

\*diversicornis Reuter, 1878: 55 (Campylomma). LT: d, 29.VIII.1870/ Murzarabat/ Campylomma diversicornis Reut. PLT: 4 d, 29.VIII.1870/ Murzarabat; 1 d, 1 q, 1 specimen without abdomen, 8.VIII.1870/ Tashkent; 1 d, 12.IX.1871/ Tashkent.

eximia Reuter, 1879a: 288 (Atomophora). HT (see Reuter, 1887: 30), of from Taka, absent from the collection, only the bottom label remained and a pin hole close to it.

fedtschenkoi Reuter, 1879c: 199 (Calocoris). PLT: 1 Q, 9.VI.1870/ Varzaminor/ Calocoris Fedtschenkoi Reut.; 1 d, 9.VI.1870/ Varzaminor. LT (Kerzhner & Muminov, 1964: 45): d from Varzaminor in MZHF. Junior synonym of Calocoris samojedorum J. Sahiberg, 1878.

\*fuscicornis Reuter, 1878: 168 (Byrsoptera). LT: of (without abdomen), 27.VI.1871/ Sokh/ Byrsoptera fuscicornis Reut. PLT: 1 q, 26.VI.1871/ Chiburgan. Currently Orthonotus id.

\*instabilis Reuter, 1878: 28 (Maurodactylus). LT: 0, 30.IV.1871/ Kizilkum. PLT: 2 Q, as LT; 1 0, 1.V.1871 [13.V in Reuter, 1887]/ Kizilkum/ Maurodactylus instabilis Reut.; 1 Q, 6.V.1871/ Karak; 1 Q without labels. Currently Lepidargyrus id.

\*jakovleffi Reuter, 1877: 28 (Calocoris). LT: ô, 17.V. 1871/ Bayrakum/ Calocoris Jakowleffi Reut. PLT: 19,

17.V.1871/ Bayrakum; 2 Q, 21.VII.1871/ Alay; 1 o, 27.V.1871/ Tashkent. Junior synonym of Adelphocoris seticornis (Fabricius, 1775).

limbatus Reuter, 1879b: 172 (Diplacus). No specimens in ZMUM. LT (Bykov, 1971: 879): Q from Varzaminor in MZHF. PLT: 1 Q from Karakuzuk in ZMAS, belongs to another species. Currently Myrmecophyes id. longicolle Reuter, 1879a: 260 (Leucopterum). HT (see Reuter, 1887: 29): d (abdomen, antennae, and legs missing), 7.V.1871/ Karak/ Leucopterum longicolle Reut.

\*nebulosus Reuter, 1878: 142 (Psailus). LT: 6, 16. VII.1871/ Uch-Kurgan. PLT: 9, 18.VI.1871/ Kokansk kh. [Kokand Khanate nr Isfara]/ Psailus nebulosus Reut.; 1 6, 9.IX.1870/ Kostarach. Currently Compsidolon id.

\*niger Reuter, 1879c: 53, 165, 166 (Orthocephalus). LT: 6, 9.VI.1870/ Varzaminor/ Orthocephalus niger Reut. nigripes Reuter, 1879b: 172 (Diplacus). No specimens in ZMUM. LT (Bykov, 1971: 881): 6 from Yagnob Pass in ZMAS. PLT: 3 of and 2 of from the same locality in ZMAS and MZHF. Currently Myrmecophyes id.

\*nigronasuta Reuter, 1878: 53 (Campylomma). LT: Q (without abdomen), 19.VII.1870/ Dzhyuzak/ Campylomma nigronasuta Reut.

\*orientalis Reuter, 1879c: 203 (Dicyphus). LT: Q, 1. IV.1871/ Tashkent. PLT: 2 Q, 20.VI.1871/ Vorukh; 1 Q, 25.VI.1871/ Dzhiptyk; 1 Q, 26.VI.1871/ Chiburgan/ Dicyphus orientalis Reut.; 1 o without labels.

\*pachycnemis Reuter, 1879c: 200 (Lygus). I.T: of, 9.VI.1870/ Varzaminor. PLT: 3 of, 1 of, 21.VI.1870/ Yagnob; 1 of, 8.VIII.1871/ Taka; 2 of, 28.VII.1871/ Kchi Alay; 1 of, 2 of, "120" (respectively "121" and "124") hand-written on white square/ Turkest [an] Terr[itory], of them 1 of with "Lygus pachycnemis Reut.". Note: Specimens from Taka and Kchi Alay are much paler and probably not conspecific with the LT.

\*pallida Reuter, 1878: 17, 174 (Tuponia). LT: 6, 29. IV.1871 [26.IV in Reuter, 1887]/ Kizilkum/ Tuponia pallida Reut. PLT: 1 6, 29.IV.1871/ Kizilkum; 1 Q and 1 specimen without abdomen, 30.IV.1871/ Kizilkum; 1 d, no date label, Kizilkum. Currently Voruchia id.

pantherina Reuter, 1879a: 289 (Atomophora). PLT: 1 d, 1 q, 30.IV.1871/ Kizilkum. There is in the collection also a pin with remnants of a specimen (one hind wing) labelled 8.V.1871/ Kizilkum/ Atomophora pantherina. LT (Linnavuori, 1990: 52): d from Kizilkum in MZHF. pilipes Reuter, 1879c: 201 (Camptobrochis). Syntypes: 1 specimen without abdomen, 18.VII.1870/ Dzhyuzak; 1 badly damaged specimen, left hemelytron and hind legs glued separately, 8.VIII.1870/ Tashkent/ Camptobrochis pilipes Reut. Currently Deraeocoris id. – Note: Several well-preserved syntypes are kept in other collections.

\*punctipenne Reuter, 1879a: 254 (Malthacosoma). LT: d, 9.VII.1871/ Karakazuk/ Malthacosoma punctipenne Reut.

\*punctipes Reuter, 1879a: 296 (Tuponia prasina var.). LT: d, 25.IV.1871/ Chardara/ Tuponia punctipes Reut. PLT: 1 Q, 1 specimen without abdomen, 25.IV.1871/ Chardara; 1 d, 30.IV.1871/ Kizilkum; 1 d, 1.V.1871/ Uzunata. Junior synonym of T. brevicornis (Reuter, 1879).

roseipennis Reuter, 1878: 21, 174 (Tuponia). HT (see Reuter, 1887: 39): Q, 22.VII.1871/ Alay/ Tuponia roseipennis Reut.

sangvinolentus Reuter, 1879c: 200 (Lygus (Orthops)). PLT: 1 d, 23.VI.1870/ Fan/ Lygus sangvinolentus Reut.; 1 Q, 16.VI.1870/ Iskander; 1 d, 28.VII. 1871/ Kchi Alay. LT (Wagner, 1955: 151): Q (locality not stated) in MZHF. Currently Orthops id.

sinuaticollis Reuter, 1879c: 202 (*Pilophorus*). PLT: 1 o, 4.VII.1869/ Samarkand; 1 o, no date label, Syrdarya. The collection includes also 1 o, 2.VIII.1871/ Osh/ *Pilophorus sinuaticollis* Reut.; Osh was not listed among the type localities. LT (Wagner, 1969: 281): of from Iskander [Iskander-Kul' Lake] in MZHF.

testaceus Reuter, 1879c: 204 (Dicyphus). Syntype: remnants (one middle leg and part of hind wing), 7.VII. 1871/ Shagimardan. Note: the collection includes also 1 o and 1 of from Tashkent collected 25. and 28.V.1871; Reuter's label "Dicyphus testaceus Reut." is under the first of these specimens. They cannot be considered syntypes because the species was described from two females collected at Shagimardan (see Reuter, 1887). Apparently, the second syntype is in MZHF and more suitable for LT designation.

\*thoracicus Reuter, 1879c: 204 (Dicyphus). LT: d, 1.IV.1871/ Tashkent. PLT: 1 q, 3.IV.1871/ Tashkent/ Dicyphus thoracicus Reut.; 1 q and 2 specimens without abdomen, 9.VI.1870/ Varzaminor.

turanicum Reuter, 1904: 4, 11 (Stenodema). In the original description, Reuter referred to S. turanicum specimens from Middle Asia formerly identified by him (Reuter, 1887) as S. virens L. The collection of ZMUM includes such specimens from Shakhimardan, Pendzhikent and Gul'cha, but under the label "Stenodema virens". We prefer therefore to designate the LT from the specimens in MZHF.

\*turanicus Reuter, 1883: 362 (Orthotylus). LT: Q, 23.VII.1871/ Alay. There is in the collection also a pin with remnants of hind wing labelled 22.VII.1871/ Alay/ Orthotylus turanicus Reut.

undulatus Reuter, 1877: 26 (Phytocoris). HT (see Reuter, 1887: 3): 6 (only one fore wing and both hind wings remained), 8.V.1871/ Kizilkum/ Phytocoris undulatus Reut.

vitticeps Reuter, 1879a: 276 (Oncotylus). HT (see Reuter, 1887: 25) lost, only the pin with labels 28. VI.1871/ Sokh/ Oncotylus vitticeps Reut.

vitticollis Reuter, 1879c: 202 (Boopidocoris). PLT: 1 d, 11.V.1871/ Kizilkum; 1 Q, 11.V.1871/ Kizilkum/ Boopidocoris vitticollis Reut. LT (Linnavuori, 1995: 475, 476, as HT): d from Kizilkum in MZHF.

\*vittigera Reuter, 1879a: 252 (Voruchia). LT: Q, 19. VI.1871/ Vorukh/ Voruchia vittigera Reut. PLT?: 1 damaged specimen without labels.

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