

**Catalogue of type specimens of true bugs  
(Hemiptera: Heteroptera) deposited in the National  
Museum, Prague, Czech Republic\***

**Enicocephalomorpha, Dipsocoromorpha, Nepomorpha,  
Gerromorpha, and Leptopodomorpha**

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**Abstract.** Type specimens from the collection of true bugs (Hemiptera: Heteroptera) deposited in the Department of Entomology, National Museum, Prague, are currently being catalogued. In this part of the catalogue dealing with the five basal infraorders, Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha, and Leptopodomorpha, we present precise information about the types of 166 taxa belonging to the families Enicocephalidae (2 taxa), Schizopteridae (1 taxon), Nepidae (4 taxa), Gelastocoridae (1 taxon), Corixidae (4 taxa), Micronectidae (7 taxa), Naucoridae (4 taxa), Potamocoridae (1 taxon), Aphelocheiridae (4 taxa), Notonectidae (2 taxa), Helotrephidae (6 taxa), Mesoveliidae (1 taxon), Hebridae (7 taxa), Hydrometridae (5 taxa), Macroveliidae (1 taxon), Veliidae (66 taxa), Gerridae (28 taxa), Saldidae (20 taxa), and Leptopodidae (2 taxa), including holotypes (or dissected parts of holotypes) of 42 taxa, and neotype of one taxon. The correct spelling of *Brachymetra anduze* Drake & Harris, 1942 and *Naboandelus bergevini pygmaeus* Linnavuori, 1971 (both Gerridae) is fixed.

**Key words.** Catalogue, type specimens, nomenclature, National Museum, Hemiptera, Heteroptera, Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha, Leptopodomorpha

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\* Catalogue of type specimens in NMPC, part 8 (Heteroptera I)

## Introduction

The number of species-group type specimens of insects in the Department of Entomology of the National Museum, Prague (NMP; NMPC when referring to the collection) is estimated to several tens of thousands (majority of them belonging to Coleoptera), and the presence of some of them in the collection is still largely unknown (see BEZDĚK & HÁJEK 2009). As the International Code of Zoological Nomenclature encourages institutions to catalogue and make accessible the type material in their care (ICZN 1999: Recommendation 72F), the curators of the NMP have started cataloguing the types in the NMPC to improve the knowledge about the collections and provide information to the entomological community. This effort has already resulted in seven parts of the catalogue devoted to selected families of Coleoptera (see BEZDĚK & HÁJEK 2009, 2010a,b, 2011, 2012, 2013; HÁJEK & ŠVIHLA 2012). This part represents a start of another series dedicated to Hemiptera. Along with the paper, photos of the types and a copy of their original description are available upon request.

The Department of Entomology was founded by Dr. Jan Obenberger as an entomological unit of the Department of Zoology in 1920 and became entirely independent in 1952. The history of insect collections deposited in the NMP is, however, much longer. The oldest specimens originate from the end of the 18th century (BEZDĚK & HÁJEK 2009). Unlike the more popular Coleoptera and Lepidoptera, the beginnings of the Heteroptera collection were more modest. The first specialized Hemiptera collection acquired by the museum was that of the secondary school teacher Ladislav Duda (1854–1895) donated by his sister in 1896 (KOLEŠKA 1980). The Duda collection included valuable voucher specimens of Heteroptera, Auchenorrhyncha and Psylloidea on which his pioneer papers on Hemiptera of Bohemia (DUDA 1884, 1885–1886, 1892a,b) were based, but contained types of only one infraspecific taxon of Heteroptera described by him, *Ischnorrhynchus* (= *Kleidoceyrs*) *resedae* var. *flavicornis* Duda, 1885.

The second founding collection of Heteroptera in the NMP was part of the important Nickerls collection, i.e. the joint collection of František Antonín Nickerl (1813–1871), Otakar Nickerl Sr. (1838–1920) and Otakar Nickerl Jr. (1873–1904). The collection of the father, son and grandson Nickerl came to the museum as a legacy in 1920 (VÁVRA 1923). It represents one of the NMP's oldest collections and includes predominantly Coleoptera, Lepidoptera and Heteroptera, which were incorporated into the general collection. The Heteroptera section of the Nickerls collection contains mostly specimens collected by the ophthalmologist and heteropterist O. Nickerl Jr. in Bohemia (see NICKERL 1905), including also types of the single infraspecific taxon he described before his untimely death, *Adomerus biguttatus* var. *concolor* Nickerl, 1892 (NICKERL 1892). However, the Nickerls collection includes also material of exotic Heteroptera and a few type specimens from the 19th century obtained by the Nickerls' active communication, exchange and purchase of material from many entomologists of their era, e.g., types of Anton Dohrn (1840–1909), whose main collection deposited in the Museum für Naturkunde Stettin (currently Szczecin, Poland) was destroyed during World War II.; the depository of these types was largely unknown (KOLEŠKA 1988; BEZDĚK & HÁJEK 2009, 2010b).

After the World War I, the entomological collection of the NMP started to grow thanks to collecting effort of the staff in the Mediterranean (J. Obenberger, J. Mařan) and especially through acquisition of material from the voluntary Czech collectors working abroad, e.g. Vlasta Káralová-di Lotti (Iraq), Jaro Mráz (Brazil), Jiří Baum (mostly tropical Africa and Asia), or

Stanislav Škulina (tropical Africa), as well as thanks to purchase of additional exotic material (Lamberton's material from Madagascar) which became part of the general collection.

An important part of the history of the NMP's heteropterological collection is connected with the name of its first curator-specialist, Ludvík Hoberlandt (1918–2005). Hoberlandt first started to work in the NMP as a volunteer in 1939 and was its employee from January 1, 1945 until his retirement in 1985 but he continued to work as a scientific associate as long as his health allowed. During his 60 years long engagement in the NMPC, L. Hoberlandt participated in several collecting trips (Bulgaria, Montenegro, Turkey, Iran, India) yielding numerous specimens of Heteroptera, as well as in identification and description of new taxa based on material of other expeditions (e.g. Afghanistan, Pakistan, Angola, Madagascar, Mongolia), keeping the multiple specimens in the NMPC. Ludvík Hoberlandt also maintained contacts with many of his contemporaries who participated in identification and description of new taxa from the NMPC or exchanged specimens and paratypes with him (e.g. N. M. Andersen, R. H. Cobben, C. J. Drake, H. B. Hungerford, A. Jansson, M. Josifov, I. M. Kerzhner, J. D. Lattin, P. Lindskog, R. Linnavuori, J. Péricart, L. R. Rolston, T. R. Schuh, G. G. E. Scudder, G. Seidenstücker, J. A. Slater, J. L. Stehlík, J. M. Štusák, L. Tamanini, A. Villiers, E. Wagner, L.-Y. Zheng) (see ŠTYS 1979, JEŽEK 1987, STEHLÍK 1999, HEISS 2005).

In 1985, Vladimír Švihla (\*1952), a renowned specialist in Coleoptera: Cantharidae, Oedeemeridae, replaced L. Hoberlandt as a curator of Heteroptera, partly assisting L. Hoberlandt with his work (HOBERLANDT & ŠVIHLA 1990a,b) but the scientific processing of the collection slowed down due to fewer visits and loans by foreign specialists (except for e.g. J. A. Lis). In 2005, Petr Kment (\*1977) was put in charge of the Hemiptera collection (joining the former Heteroptera and Homoptera collections). Since 2005, the NMPC has succeeded in acquiring new interesting materials of Heteroptera (United Arab Emirates, Socotra, Laos, China, and smaller collections from other countries), and new or renewed co-operations have been started with many specialists all around the world (e.g. H. Brailovsky, A. Carapezza, P.-P. Chen, D. Chlond, J. Czaja, J. A. M. Fernandes, D. Gapon, E. Heiss, E. V. Kanyukova, A. Kocorek, E. Kondorosy, F. Konstantinov, R. Linnavuori, Ph. Magnien, A. Matocq, P. Moulet, N. Nieser, D. Rédei, J. L. Stehlík, J.-F. Tsai, N. N. Vinokurov, A. Wolski, H. Zettel) already resulting in several descriptions of new taxa based in the NMPC.

## Material and methods

The system used to arrange the taxa mostly follows AUKEMA & RIEGER (1995); in addition it accepts erection of the superfamily Aphelocheiroidea (HEBSGAARD et al. 2004) and the family status of Micronectidae (NIESER 2002, NIESER & CHEN 2006). Within each subfamily/tribe, the genera and species are arranged alphabetically. Each entry includes:

- the name of the taxon in original combination.
- the name of the taxon in original combination and spelling, with the author and year of description. Pagination, figures and plates are also given.
- the type status, number of specimens (including their sex if known) and exact label data. Our remarks are found in square brackets: [p] – preceding data are printed, [hw] – preceding data are handwritten. Separate labels are indicated by a double slash '/' and lines within



Figs 1–4. Type labels of Ludvík Hoberlandt. 1–2 – *Velia rhadamantha* Hoberlandt, 1941, holotypus, characteristic style of labels in the 1940s; 3–4 – *Sigara samani* Hoberlandt, 1952, characteristic labels for the 1950s and later period. (Photos: L. Macháčková).

each label are separated by a slash '/'. Unless otherwise indicated, it means black ink and white label. To mark the wing development of the specimens, the following abbreviations are used: apter. – apterous, brach. – brachypterous, micr. – micropterous, macr. – macropterous, submacr. – submacropterous). When appropriate, the sex of the specimen was identified and the corresponding label attached to the specimen. In case the original labels did not contain precise information on the current status of the type specimen, one additional printed red label was attached by the curator. For samples of typical type labels by Ludvík Hoberlandt see Figs 1–4.

- the type condition is mentioned for considerably damaged specimens (given in parentheses following the particular specimen). Regular mounts between a slide and a cover glass, deposited separately from the specimen are referred to as slides; mounts between two cover slides attached to the same pin as the specimen are referred to as microslides.
- the current taxonomic status. As subgeneric division of *Ranatra* Fabricius, 1790 and *Rhagovelia* Mayr, 1865 is still controversial, we refrain from using subgenera within those taxa (see e.g. POLHEMUS 1995a, AUKEMA et al. 2013).
- any taxonomic problems and inconsistencies are mentioned under Remarks.

Full reference to each publication can be found in References section.

## Catalogue

### Family ENICOCEPHALIDAE Stål, 1860

#### Subfamily Enicocephalinae Stål, 1860

#### Tribe Enicocephalini Stål, 1860

### *Desystellores pauliani* Villiers, 1958

*Desystellores pauliani* Villiers, 1958: 34–35, Figs 38–41 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): 'Andohahelo / 1800m R P. [p] // PARATYPE [p, red label] // ♂ [p] // *Desystellores / pauliani / n g*  
n. sp. [hw] / A Villiers det 195[p]7 [hw]'.

**Current status.** Valid species: *Euchelichir (Desystellores) pauliani* (Villiers, 1958) (see VILLIERS 1969, ŠTYS 2002).

***Embolorrhinus ambrinus* Villiers, 1969**

*Embolorrhinus ambrinus* Villiers, 1969: 109 (key), 121–123, Fig. 163 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Madagascar Nord / Montagne d’Ambre / Les Roussettes 1100m / Il-59 / Pierre Soga [p] // PARATYPE [p, red label] // ♂ [p] // Embolorrhinus / ambrinus / n. sp. [hw] / A Villiers det 19[p]68 [hw]’.

**Current status.** Valid species: *Embolorrhinus (Ceratotrachelus) ambrinus* Villiers, 1969 (see ŠTYS 1969, 2002).

**Family SCHIZOPTERIDAE Reuter, 1891**

Subfamily Schizopterinae Reuter, 1891

***Kokeshia esakii* Myiamoto, 1960**

*Kokeshia esakii* Myiamoto, 1960: 163–169, Text: Figs 1A–F, Pl. 18: Figs A–B, Pl. 19: Figs A–P (original description).

Two paratypes are deposited in NMPC:

PARATYPES (♂ macr., ♀ brach.): ‘(Kyushu) / Korasan / (Chikugo) [p] / 6. iii. [hw] 195[p]5 [hw] / S. Miyamoto [p] // ♀ [p] // ♂ [p] // PARATYPUS / Kokeshia / esakii Miy. / n. g. et n. sp. 1960 [hw, pale green label]’. (Both specimens are glued to pointed pieces of card and placed on the same pin).

**Current status.** Valid species (see KERZHNER 1995, RÉDEI 2008).

**Family NEPIDAE Latreille, 1802**

Subfamily Nepinae Latreille, 1802

Tribe Nepini Latreille, 1802

***Laccotrephes elongatus* Montandon, 1907**

*Laccotrephes elongatus* Montandon, 1907: 330–331 (original description).

One syntype is deposited in NMPC:

SYNTYPE (♂): ‘Bombay. [hw] // ♂ [p] // Laccotrephes / elongatus Montand [hw, black ink] / co-type 1903 [hw, red ink].’

**Current status.** Valid species: *Laccotrephes (Laccotrephes) elongatus* Montandon, 1907 (see THIRUMALAI 2007).

Subfamily Ranatrinae Douglas & Scott, 1865

Tribe Ranatrini Douglas & Scott, 1865

***Ranatra aethiopica* Montandon, 1903**

*Ranatra aethiopica* Montandon, 1903a: 20–21 (original description).

One syntype is deposited in NMPC:

SYNTYPE (♀): ‘Scioa / Falle 8. 2. 85 / Ragazzi [p, black frame submarginally] // R. Gestro [hw] // ♀ [p] // Ranatra /

*Ethiopia* Montand [hw, black ink] / co-type. 1903. [hw, red ink]’.

**Current status.** Valid species: *Ranatra aethiopica* Montandon, 1903 (see POISSON 1965a).

### *Ranatra bottegoi* Montandon, 1903

*Ranatra bottegoi* Montandon, 1903a: 22–23 (original description).

One syntype is deposited in NMPC:

SYNTYPE (♂): ‘SOMALI / BASSO GANANA / VII-VIII. 93 / V. BOTTEGO [p, black frame submarginally] // [orange square with black stripe medially] // Mus Civ Genoa / R. Gestro [hw] // Ranatra / Bottegoi Montd / ♂ [hw, black ink] co-type [hw, red ink]’.

**Current status.** Valid species: *Ranatra bottegoi* Montandon, 1903 (see POISSON 1965a, LINNAVUORI 1981, KEFFER 2004).

### *Ranatra dispar* Montandon, 1903

*Ranatra dispar* Montandon, 1903b: 104–105 (original description).

*Ranatra dispar*: LANSBURY (1972): 323 (lectotype designation).

One paralectotype is deposited in NMPC:

PARALECTOTYPE (♂): ‘VICTORIA / Alexandra / F.L.Billinghurst. [p] // R. dispar Montd / ♂ [hw, black ink] co-type [hw, red ink] // PARALECTOTYPUS / RANATRA / DISPAR / Montandon, 1903 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species: *Ranatra dispar* Montandon, 1903 (see LANSBURY 1972, ANDERSEN & WEIR 2004).

## Family GELASTOCORIDAE Kirkaldy, 1897

### Subfamily Nerthrinae Kirkaldy, 1906

#### *Nerthra williamsi* Todd, 1955

*Nerthra williamsi* Todd, 1955: 348 (key), 383–384, 469: Fig. 112 (original description).

The holotype and 6 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂): ‘SAÕ [sic!] PAULO / BRAS. MRÁZ LGT. / MUS. PRAGENSE [p, black frame submarginally] // Holotype [p] / NERTHRA / WILLIAMSII [hw] / E. L. Todd [p, red label] // Nerthra / williamsi / N. sp. / Det. E. L. Todd [hw, black frame submarginally] // ♂ [p]’.

PARATYPE (♀): ‘SAÕ [sic!] PAULO / BRAS. MRÁZ LGT. / MUS. PRAGENSE [p, black frame submarginally] // Allotype [p] / NERTHRA / WILLIAMSII [hw] / E. L. Todd [p, red label] // ♀ [p]’.

PARATYPES (2 ♂♂): ‘SAÕ [sic!] PAULO / BRAS. MRÁZ LGT. / MUS. PRAGENSE [p, black frame submarginally] // Paratype [p] / NERTHRA / WILLIAMSII [hw] / E. L. Todd’ [p, blue label] // ♂ [p]’.

PARATYPES (2 ♀♀): ‘SAÕ [sic!] PAULO / BRAS. MRÁZ LGT. / MUS. PRAGENSE [p, black line submarginally] // Paratype [p] / NERTHRA / WILLIAMSII [hw] / E. L. Todd’ [p, blue label] // ♀ [p]’.

PARATYPE (♀): ‘Sao PAULO; Mráz / legit. Brasilia / mus. R. BOH, [p] // Paratype [p] / NERTHRA / WILLIAMSII [hw] / E. L. Todd’ [p, blue label] // ♀ [p]’.

**Current status.** Valid species (see HECKMAN 2011, MOREIRA et al. 2011).

**Family CORIXIDAE Leach, 1815**  
 Subfamily Corixinae Leach, 1815  
 Tribe Agraptocorixini Hungerford, 1948

***Agraptocorixa stepaneki* Hoberlandt, 1942**

*Agraptocorixa štěpáneki* Hoberlandt, 1942a: 47–50, Figs 1–11 (original description).

The holotype and two paratypes are deposited in NMPC:

HOLOTYPE (♂): ‘Ambanja / Madagascar / Mus Praha [p] // Holotypus [p, red label with black margins] // I-i936. / F. Lambertson [hw] // *Agraptocorixa* / štěpáneki n. sp. ♂ [hw, red ink] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 11.121 [hw, orange label]’. (Only head + pronotum and rest of thorax without wings and legs + base of abdomen are glued separately to a piece of card, remaining body parts mounted in a series of 7 slides stored in Slide Box 1).

PARATYPE (♂): ‘Ambanja / Madagascar / Mus Praha // I. i936. / F. Lambertson [hw] // Paratypus [p, red label with black margins] // Mus. Nat. Pragae / Inv. [p] 11.122 [hw, orange label] // Paratypus [hw, red ink] / *Agraptocorixa* [hw, black ink] / 19[p]42 štěpáneki sp. n. [hw, black ink] / ♂ [hw, black ink] / L. Hoberlandt det. [p]’. (Male genitalia dissected, preserved dry in a glass microvial attached to the same pin).

PARATYPE (♂): ‘Ambanja / Madagascar / Mus Praha [p] // Paratypus [p, red label with black margins] // I. i936. / F. Lambertson [hw] // *Agraptocorixa* / stepaneki Hob. / Paratypus ♂ - i942 [hw] // Mus. Nat. Pragae / Inv. [p] 11.123 [hw, orange label]’.

**Current status.** Valid species (see POISSON 1951, 1963).

Tribe Glaenocorisini Hungerford, 1948

***Corisa propinqua* Fieber, 1860**

*Corisa propinqua* Fieber, 1860: 99 (original description).

*Corisa propinqua*: JANSSON (1986a): 26 (neotype designation).

The neotype is deposited in NMPC:

NEOTYPE (♂): ‘Jezero / Plöckenstein- / ské. Dr.Štolc [hw] // Neotype [p] ♂ [hw] / *Corisa propinqua* / Fieber / det. A. Jansson 1985 [hw, red label]’.

**Current status.** Valid species: *Glaenocorisa propinqua* (Fieber, 1860) (see JANSSON 1986a, 1995, 2000; KANYUKOVA 2006; AUKEMA et al. 2013).

***Pseudoglaenocorisa linnavuorii* Jansson, 1986**

*Pseudoglaenocorisa linnavuorii* Jansson, 1986b: 102–104, Figs 1, 3, 5, 7, 9, 11, 13 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Ethiopia / Mai Chew 1. VI. 63 / Linnavuori [p] // Paratype [p] ♂ [hw] / *Pseudoglaeno-* / *corisa* linnavuorii / Jansson [hw, red label]’.

**Current status.** Valid species.

***Sigara (Subsigara) samani* Hoberlandt, 1952**

*Sigara (Subsigara) samani* Hoberlandt, 1952: 15–17, 20, Pl. III: Figs 27–30, Pl. IV: Figs 23–30, P. IV: Figs 31–35, Pl. V: Figs 36–39, Pl. IX: Fig. 71 (original description, key to species).

The holotype and one paratype (allotype) are deposited in NMPC:

HOLOTYPE (♂): ‘Mersin [hw] / Anat. [p] 25. VIII. 47 [hw] / Exp. N. Mus. ČSR [p] // Holotypus [p, red label] // Holotypus [p] / Sigara / (Subsigara) / samani sp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1015 [hw] / Mus. Nat. Pragae [p, orange label]’ (see Figs 3–4). (Left fore, middle and hind leg, left hemelytron, and apical part of abdomen are removed from the specimen and mounted on 4 slides stored in Slide Box 1).

PARATYPE (♀): ‘Mersin [hw] / Anat. [p] 25. VIII. 47 [hw] / Exp. N. Mus. ČSR [p] // Allotypus [p, red label] // Allotypus [p] / Sigara / (Subsigara) / samani sp. n. / ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Inv. [p] 1016 [hw] / Mus. Nat. Pragae [p, orange label]’.

**Current status.** Valid species: *Sigara (Subsigara) samani samani* Hoberlandt, 1952 (see JANSSON 1986a,c, 1995; AUKEMA et al. 2013).

### Family MICRONECTIDAE Jaczewski, 1924

#### Subfamily Micronectinae Jaczewski, 1924

#### *Micronecta christiniana* Lansbury, 1954

*Micronecta christiniana* Lansbury, 1954: 140–142, Figs 1A–G (original description).

Four paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ macr.): ‘Para- / type [p, white circle with yellow margin] // At light [p] // A.E.SUDAN: / Wau. x.1952. / E.T.M.Reid. / B.M.1952-535 [p] // *Micronecta / christiniana / Lansbury / ♂ PARATYPE. [p]*’.

PARATYPES (2 ♀♀ macr.): ‘Para- / type [p, white circle with yellow margin] // At light [p] // A.E.SUDAN: / Wau. x.1952. / E.T.M.Reid. / B.M.1952-535 [p] // *Micronecta / christiniana / Lansbury / ♀ PARATYPE. [p]*’.

**Current status.** Valid species, not assigned to any of the subgenera (see LINNAVUORI 1971, 1981).

#### *Micronecta crinita* Chen, Nieser & Wattanachaiyingcharoen, 2002

*Micronecta crinita* Chen, Nieser & Wattanachaiyingcharoen, 2002: 194–197, 199, Figs 1, 3–9, 20 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPES (2 ♀♀ brach.): ‘Thailand:Khon Kaen Prov. / Phu Phan Kham NP, Bon Noon / Hua Chang, Huai Sam Caen / 21.11.1995,leg.H.Zettel(20a) [p] // ♀ [p] // Paratype / *Micronecta / crinita / Chen & Nieser [p, red label]*’.

**Current status.** Junior synonym of *Micronecta punctinotum* L.-C. Chen, 1960 (see NIESER et al. 2004); not assigned to a particular subgenus.

#### *Micronecta drepani* Nieser, 2000

*Micronecta drepani* Nieser, 2000: 278–281, 287, Figs 1–10 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ macr.): ‘Thailand:Mae Hong Son Prov. / Phe Bong, 12km S Mae Hong / Son, 12.11.1995 / leg. H. Zettel (13a) [p] // ♂ [p] // P a r a t y p u s / *Micronecta / drepani* sp.n. / des. Nico Nieser [p, red label]’.

PARATYPE (♀ macr.): ‘Thailand:Phetchabun Prov. / Nam Nao NP,Huai Phrom / Laeng, 24.11.1995 / leg. H. Zettel (22) [p] // ♀ [p] // P a r a t y p u s / *Micronecta / drepani* sp.n. / des. Nico Nieser [p, red label]’.

**Current status.** Valid species: *Micronecta (Micronecta) drepani* Nieser, 2000 (see NIESER et al. 2005, AUKEMA et al. 2013).



***Micronecta macrothoracica* Jordan, 1943**

*Micronecta macrothoracica* Jordan, 1943: 237–240, Figs 1, 3–4, 8–9 (original description).

*Micronecta macrothoracica*: JANSSON (1986a): 18 (lectotype designation).

Four paratypes are deposited in NMPC:

PARALECTOTYPE (♀ macr.): ‘♀ [p] // Paratypus [p, red label] // Dr. Jordan [p, vertical line] / 14. 6. 43 / Cune - / walde [hw] / Oberlausitz [p] // *Micronecta / macrothoracica / n. sp.* [hw] / det.K.H.C.Jordan, Bautzen [p, black frame submarginally] // ♀ [p] // Mus. Nat. Pragae / Inv. [p] 1207 [hw, orange label] // PARALECTOTYPUS / *MICRONECTA / MACROTHORACICA* / Jordan, 1943 / labelled: P. KMENT 2013 [p, red label]’.

PARALECTOTYPES (3 ♀♀ macr.): ‘♀ [p] // Paratypus [p, red label] // Dr. Jordan [p, vertical line] / 14. 6. 43 / Cune - / walde [hw] / Oberlausitz [p] // Mus. Nat. Pragae / Inv. [p] 1205, 1206, 1208 [respectively; hw, orange label] // PARALECTOTYPUS / *MICRONECTA / MACROTHORACICA* / Jordan, 1943 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Micronecta (Micronecta) poweri poweri* (Douglas & Scott, 1869) (see WRÓBLEWSKI 1958; JANSSON 1986a, 1988, 1995).

***Micronecta pacheta* Nieser & Chen, 2003**

*Micronecta pacheta* Nieser & Chen, 2003: 133, 140–142, Figs 2, 38–48 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ macr.): ‘Philippinen: N. Samar / San Joaquin, Lologayan / Felis, 27.1.2000 / leg. H. Zettel (219a) [p] // ♂ [p] // Paratype / *Micronecta / pacheta* / Nieser & Chen [p, red label]’.

PARATYPE (♀ macr.): ‘Philippinen: N. Samar / San Joaquin, Lologayan / Felis, 27.1.2000 / leg. H. Zettel (219a) [p] // ♀ [p] // Paratype / *Micronecta / pacheta* / Nieser & Chen [p, red label]’.

**Current status.** Valid species, not assigned to any subgenus (see CHEN et al. 2005).

***Micronecta (Micronecta) wui alkani* Hoberlandt, 1952**

*Micronecta (Micronecta) wui alkani* Hoberlandt, 1952: 7–10, Pl. I: Figs 1–12, Pl. IX: Figs 65–68, Pl. X: Fig. 74 (original description, key to subspecies).

The holotype and 21 paratypes (including the allotype) are deposited in NMPC; however, only the 13 paratypes from Alacakilise and Armutlu represent the genuine *M. w. alkani* (see WRÓBLEWSKI 1962a,b):

HOLOTYPE (♂ brach.): ‘Alacakilise [hw] / Anat. [p] 21.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Holotypus [p, red label] // Holotypus [p] / *Micronecta (M.) / wui alkani / ssp. n.* ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // *Micronecta (M.) / wui alkani* [hw] / 19[p]48 / ssp. n. ♂ [hw] / L. Hoberlandt det. [p] // ♂ [p] // Mus. Nat. Pragae / Inv. [p] 1190 [hw, orange label]’. (The specimen is glued to a piece of card, head missing).

PARATYPE (♀ brach.): ‘Alacakilise [hw] / Anat. [p] 21.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Allotypus [p, red label] // Allotypus [p] / *Micronecta / (M.) wui alkani / ssp. n.* ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // *Micronecta (M.) [hw] / 19[p]48 wui alkani / ssp. n.* [hw] / L. Hoberlandt det. [p] ♀ [hw] // ♀ [p] // Mus. Nat. Pragae / Inv. [p] 1197 [hw, orange label]’.

PARATYPES (2 ♂♂ brach.): ‘Alacakilise [hw] / Anat. [p] 21.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / *Micronecta / wui alkani / ssp. n.* ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // *Micronecta (M.) [hw] / 19[p]48 wui alkani / ssp. n.* ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1181, 1182 [respectively; hw, orange label]’.

PARATYPES (9 ♀♀ brach.): ‘Alacakilise [hw] / Anat. [p] 21.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / *Micronecta (M.) / wui alkani / ssp. n.* ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1192, 1193, 1194, 1195, 1196, 1198, 1199, 1200, 1201 [respectively; hw, orange label]’.

PARATYPE (♂ brach.): ‘Armutlu [hw] / Anat. [p] 7.VII.44 [hw] / C. Kosswig lgt. [p] // Paratypus / *Micronecta* / wui alkani / ssp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Paratypus [p, red label] // Mus. Nat. Pragae / Inv. [p] 1191 [hw, orange label] // M. wui alkani / Hoberl. / A. Wróblewski det / prep / nm p Č..4. 1961 [hw]’. (Specimen slide-mounted, stored in Slide Box 1).

Eight paratypes from Suluhan were misidentified and in fact belong to *Micronecta* (*Micronecta*) *anatolica anatolica* Lindberg, 1922 (see WRÓBLEWSKI 1962a,b):

PARATYPES (2 ♂♂ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus / *Micronecta* / wui alkani / ssp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // *Micronecta* (M.) [hw] / 19[p]48 wui alkani [hw] / ssp. n. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1178, 1179 [respectively; hw, orange label] // MICRONECTA / ANATOLICA / Lindberg, 1922, det. A. WRÓBLEWSKI [p]’.

PARATYPE (♂ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus / *Micronecta* / wui alkani / ssp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Paratypus [p, red label] // Mus. Nat. Pragae / Inv. [p] 1180 [hw, orange label] // *Micronecta* (M.) [hw] / 19[p]48 wui alkani [hw] / ssp. n. ♂ [hw] / L. Hoberlandt det. [p] // M. anatolica Lindb. / A. Wróblewski det / prep / nmp Č. 2. 1961 [hw]’. (Specimen slide-mounted, stored in Slide Box 1).

PARATYPE (♀ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus [p] / *Micronecta* / wui alkani / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1185 [hw, orange label] MICRONECTA / ANATOLICA / Lindberg, 1922, det. A. WRÓBLEWSKI [p]’.

PARATYPES (2 ♀♀ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus [p] / *Micronecta* / wui alkani / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // *Micronecta* (M.) [hw] / 19[p]48 wui alkani / ssp. n. ♀ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1186, 1189 [respectively; hw, orange label] MICRONECTA / ANATOLICA / Lindberg, 1922, det. A. WRÓBLEWSKI [p]’.

PARATYPE (♀ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus / *Micronecta* / wui alkani / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Paratypus [p, red label] // Mus. Nat. Pragae / Inv. [p] 1187 [hw, orange label] // *Micronecta* (M.) [hw] / 19[p]48 wui alkani [hw] / ssp. n. ♀ [hw] / L. Hoberlandt det. [p] // M. anatolica Lindb. / A. Wróblewski det / prep / nmp Č. 3. 1961 [hw]’. (Specimen slide-mounted, stored in Slide Box 1).

PARATYPE (♀ brach.): ‘Suluhan, Toros / Anat. 11. VIII. 47 / Exp. N.Mus. ČSR. [p] // Paratypus / *Micronecta* / wui alkani / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Paratypus [p, red label] // Mus. Nat. Pragae / Inv. [p] 1188 [hw, orange label] // *Micronecta* (M.) [hw] / 19[p]48 wui alkani [hw] / ssp. n. ♀ [hw] / L. Hoberlandt det. [p] // M. anatolica Lindb. / A. Wróblewski det / prep / nmp Č. 5. 1961 [hw]’. (Specimen slide-mounted, stored in Slide Box 1).

**Current status.** Valid subspecies: *Micronecta* (*Micronecta*) *wui alkani* Hoberlandt, 1952 (see WRÓBLEWSKI 1962a, JANSSON 1995, FENT et al. 2011).

### *Micronecta* (*Micronecta*) *wui kosswigi* Hoberlandt, 1952

*Micronecta* (*Micronecta*) *wui kosswigi* Hoberlandt, 1952a: 9–10, Pl. I: Figs 13–14, Pl. II: Figs 15–19, Pl. IX: Fig. 69 (original description, key to subspecies).

The holotype and 15 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ brach.): ‘Afrin near / Musabeyli [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR. [p] // Holotypus [p, red label] // Holotypus [p] / *Micronecta* / wui kosswigi / ssp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // ♂ [p] // Mus. Nat. Pragae / Inv. [p] 1163 [hw, orange label]’.

PARATYPES (3 ♂♂ brach.): ‘Afrin near / Musabeyli [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus [p] / *Micronecta* / wui kosswigi / ssp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1160, 1161, 1162 [respectively; hw, orange label]’.

PARATYPE (♀ brach.): ‘Afrin near / Musabeyli [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR. [p] // Allotypus [p, red label] // Allotypus [p] / *Micronecta* / wui kosswigi / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // ♀ [p] // Mus. Nat. Pragae / Inv. [p] 1166 [hw, orange label]’.

PARATYPES (8 ♀♀ brach.): ‘Afrin near / Musabeyli [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus [p] / Micronecta (M.) / wui kosswigi / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1167, 1168, 1169, 1170, 1171, 1173, 1174, 1176 [respectively; hw, orange label]’.

PARATYPES (2 ♀♀ brach.): ‘Abacılar [hw] / Anat. [p] 7.VIII.47 [hw] / Exp. N. Mus. ČSR. [p] // Paratypus [p, red label] // Paratypus [p] / Micronecta (M.) / wui kosswigi / ssp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1172, 1175 [respectively; hw, orange label].

**Current status.** Junior synonym of *Micronecta (Micronecta) wui alkani* Hoberlandt, 1952 (see WRÓBLEWSKI 1962a, JANSSON 1995, FENT et al. 2011).

### Family NAUCORIDAE Leach, 1815

Subfamily Cheirochelinae Montandon, 1897

Tribe Sagocorini La Rivers, 1971

#### *Asthenocoris australis* Zettel, Nieser & D. A. Polhemus, 1999

*Asthenocoris australis* Zettel, Nieser & D. A. Polhemus, 1999: 45, 81–83, 95, Figs 4, 74, 86–89, 100–102, 136–148, 151 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂): ‘PHILIPPINEN: Mindanao / Agusan N., stream at / Kicharao, 27.III.1993 / leg. N. Nieser N9326 [p] // Paratype / *Asthenocoris* [sic!] / *australis* / Zettel, Nieser & / D. Polhemus [p, red label] // ♂ [p]’.

PARATYPE (♀): ‘PHILIPPINEN: Mindanao / Agusan N., stream at / Kicharao, 27.III.1993 / leg. N. Nieser N9326 [p] // Paratypus / *Asthenocoris* / *australis* sp.n. Zettel, / Nieser & D. Polhemus / des H. Zettel 1998/99 [p, red label] // ♀ [p]’.

**Current status.** Valid species (see CHEN et al. 2005).

Subfamily Cryphocricinae Montandon, 1897

#### *Cryphocricos granulatus* De Carlo, 1967

*Cryphocricos granulatus* De Carlo, 1967: 190–191, Lámina 1: Figs 4–5, 8, Lámina 2: Fig. 18 (original description).

Two paratypes are deposited in NMPC:

PARATYPES (2 ♀♀): ‘Brasilien Cipo / Rio Grande do Sul / 10.9.-8.12.1960 / C. Ribeiro leg. [p] // ♀ [p] // *Cryphocricos* / *granulatus* / de Carlo / PARATYPUS [hw]’.

**Current status.** Valid species (see HECKMAN 2011, MOREIRA et al. 2011).

Subfamily Laccocorinae Stål, 1876

#### *Laccocoris spurcus congoensis* Poisson, 1949

*Laccocoris spurcus congoensis* Poisson, 1949a: 67, Figs 69, 70B, 71A–B, 72A–B, 73A–F (original description).

One syntype is deposited in NMPC:

SYNTYPE (♀): ‘256. [hw, vertical line] / Sake (Kivu) (1560) / 19-22-II-1934 / G. F. de Witte / PARC NAT. ALBERT [p] // R. POISSON det., 1945 [p] / *Laccocoris spurcus* / *f. congoensis* nov. [hw] // ♀ Ma [hw, pink pencil] // SYNTYPUS / *LACCORIS* / *SPURCUS CONGOENSIS* / Poisson, 1949 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid subspecies (see LINNAVUORI 1987).

## Subfamily Naucorinae Leach, 1815

***Neomacrocoris poissoni* Linnavuori, 1971***Neomacrocoris poissoni* Linnavuori, 1971: 355, Figs 13c–f (original description).

One paratype is deposited in NMPC:

PARATYPE (1 spec.): ‘Sudan. Equatoria / Loka forest / 8–10. IV. 63 / Linnavuori [p] // Paratypus [p, red label] // *Neomacrocoris / poissoni* / Lv. [hw, blue ink].’**Current status.** Valid species (see SITES & MBOGHO 2012).**Family APHELOCHEIRIDAE Fieber, 1851*****Aphelocheirus (Aphelocheirus) goellnerae* Zettel, 2012***Aphelocheirus* (s.str.) *goellnerae* Zettel, 2012a: 111–113, Figs 1–11 (original description).

The holotype and four paratypes are deposited in NMPC:

HOLOTYPE (♂ micr.): ‘Vohémar / Madagascar [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // HOLOTYPUS / *Aphelocheirus* (s.str.) / *goellnerae* sp.n. / des. H. Zettel 2012 [p, red label] // ♂ [p].’ (Dissected male genitalia mounted in microslides attached to the same pin.)PARATYPE (♀ micr.): ‘Vohémar / Madagascar [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♀ [p] // PARATYPUS / *Aphelocheirus* (s.str.) / *goellnerae* sp.n. / des. H. Zettel 2012 [p, red label].’PARATYPE (♂ micr.): ‘Madagascar / Inv. č. [p] Vohémar [hw] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // PARATYPUS / *Aphelocheirus* (s.str.) / *goellnerae* sp.n. / des. H. Zettel 2012 [p, red label].’PARATYPES (2 ♂♂ micr.): ‘Madagascar / Inv. č. [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // PARATYPUS / *Aphelocheirus* (s.str.) / *goellnerae* sp.n. / des. H. Zettel 2012 [p, red label].’**Current status.** Valid species.***Aphelocheirus (Aphelocheirus) gusenleitneri* Zettel, 2009***Aphelocheirus* (s.str.) *gusenleitneri* Zettel, 2009: 1072–1074, 1076–1077, Figs 1–13 (original description).

One paratype is deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♀ micr.): ‘MYANMAR: Sagaing Div. / Alaungdaw Katthapa NP / Wakya Stream, 400 m / 22° 19.173’ N 94°29.654’ E / 8.5.2003, lg. Boukal & al. (115) [p] // PARATYPUS / *Aphelocheirus* (s.str.) / *gusenleitneri* sp.n. / des. H. Zettel 2009 [p, red label] // ♀ [p].’**Current status.** Valid species.***Aphelocheirus pygmaeus* La Rivers, 1971***Aphelocheirus pygmaeus* La Rivers, 1971: 69–70, Fig. 1 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀ macr.): ‘ASSAM / Kohara, / Kaziranga / 110m X-7-61 // Collectors: / E. S. Ross / D. Q. Cavagnaro [p] // ♀ [p] // APHELOCHEIRUS / PYGMAEUS N. SP / PARATYPE [p, blue label].’ (Left fore leg glued separately to a triangular piece of card.)

**Current status.** Valid species: *Aphelocheirus (Micraphelocheirus) pygmaeus* La Rivers, 1971 (see HOBERLANDT & ŠTYS 1979, POLHEMUS & POLHEMUS 1989, ZETTEL & PAPÁČEK 2006).

***Tamopocoris asiaticus* Hoberlandt & Štys, 1979**

*Tamopocoris asiaticus* Hoberlandt & Štys, 1979: 2, 4–9, Figs 3, 10–13 (original description, key).

Four paratypes (including the allotype) are deposited in NMPC:

PARATYPE (♀ macr.): ‘VIETNAM, Lao-cai, 300 m / forêt trop. second. / à la lumière [p] // 21. IX. 1963 / T. PÓCS [p] // ♀ [p] // Allotypus [p] ♀ / *Tamopocoris / asiaticus* sp.n. / et P. Štys [hw] / Det. L. Hoberlandt, 19[p]76 [hw, red label]’.

PARATYPE (♂ macr.): ‘VIETNAM, Lao-cai, 300 m / forêt trop. second. / à la lumière [p] // 21. IX. 1963 / T. PÓCS [p] // ♂ [p] // Paratypus [p] ♂ / *Tamopocoris / asiaticus* sp.n. / et P. Štys [hw] / Det. L. Hoberlandt, 19[p]76 [hw, red label]’.

PARATYPES (2 ♀♀ macr.): ‘VIETNAM, Lao-cai, 300 m / forêt trop. second. / à la lumière [p] // 21. IX. 1963 / T. PÓCS [p] // ♀ [p] // Paratypus [p] ♀ / *Tamopocoris / asiaticus* sp.n. / et P. Štys [hw] / Det. L. Hoberlandt, 19[p]76 [hw, red label]’.

**Current status.** Valid species: *Aphelocheirus (Micraphelocheirus) asiaticus* (Hoberlandt & Štys, 1979) (see POLHEMUS & POLHEMUS 1989, ZETTEL & PAPÁČEK 2006).

**Family POTAMOCORIDAE Usinger, 1941*****Potamocoris parvus* Hungerford, 1941**

*Potamocoris parvus* Hungerford, 1941: 1–4, Pl. I: Figs 1–8 (original description).

Two paratypes are deposited in NMPC:

PARATYPES (2 ♀♀): ‘Horqueta / Paraguay / 45 miles E. // Paraguay Riv. [p] / XII. 7 [hw] 1934 / Alberto Schulze [p] // PARATYPE / *Potamocaris* [sic!] / *parvus* / H. B. Hungerford [p, blue label] // ♀ [p]’.

**Current status.** Valid species (see POLHEMUS & POLHEMUS 1983, VAN DOESBURG 1984, HECKMAN 2011).

**Family NOTONECTIDAE Latreille, 1802****Subfamily Anisopinae Hutchinson, 1929*****Anisops persica* Kaiser, 1940 & *Anisops persica* Lindberg, 1941**

*Anisops persica* Kaiser, 1940: 139–157 (morphology, biology, ecology).

*Anisops persica* Lindberg, 1941: 17–18, Figs 1–4 (original description).

Two syntypes are deposited in NMPC:

SYNTYPE (♂): ‘Bushir / Iran 19.III.37 / E. W. Kaiser lgt. [hw] // Paratypus [p, red label] // *Anisops / persica* Lindb. ♂ / Det. H. Lindberg. [hw] // SYNTYPUS / *ANISOPS / PERSICUS* / Kaiser, 1940 + Lindberg, 1941 / labelled: P. KMENT 2013 [p, red label]’.

SYNTYPE (♀): ‘Bushir / Iran 19.III.37 / E. W. Kaiser lgt [hw] // Paratypus [p, red label] // *Anisops / persica* Lindb. ♀ / Det. H. Lindberg. [hw] // SYNTYPUS / *ANISOPS / PERSICUS* / Kaiser, 1940 + Lindberg, 1941 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** *Anisops persica* Lindberg, 1941 is a junior homonym and a junior objective synonym of *Anisops persica* Kaiser, 1940. Both names are junior synonyms of *Anisops debilis perplexus* Poisson, 1929 (see LANSBURY 1964, POLHEMUS 1995b). Neither KAISER (1940) nor LINDBERG (1941) did designate a holotype in the original publication so all the type specimens must be regarded as syntypes.

## Subfamily Notonectinae Latreille, 1802

## Tribe Notonectini Latreille, 1802

***Enithares unguistigris* Zettel, 2012**

*Enithares unguistigris* Zettel, 2012b: 24–26, Figs 1–9, 13 (original description).

The holotype is deposited in NMPC (donation of P. Šrámek):

HOLOTYPE (♂): ‘N 27° 08’ 22“ E 076° 20’ 38“ / INDIA BOR. OCC., Rajasthan st. / Alwar distr., Naranimata env., / shadowy pool / 29. 7. 2002, lgt. P. Šrámek [p] // COLLECTIO / Petr ŠRÁMEK / (Jilemnice, Czech Rep.) [p] // ♂ [p] // H O L O T Y P U S / Enithares / unguistigris sp. n. / des. H. Zettel 2011 [p, red label]’.

**Current status.** Valid species.

**Family HELOTREPHIDAE Esaki & China, 1927**

## Subfamily Helotrephinae Esaki &amp; China, 1927

## Tribe Helotrephini Esaki &amp; China, 1927

***Helotrephes formosanus* Esaki & Miyamoto, 1943**

*Helotrephes formosanus* Esaki & Miyamoto, 1943: 485–494, Figs 1–6 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): ‘[Formosa] / Ankô, near / Taihoku / 25.V.1941 / S. Miyamoto [hw] // Paratypus / *Helotrephes / formosanus* [p] / ♂ [hw] / Esaki et Miyamoto, / 1948 [p, blue label]’.

PARATYPE (♀): ‘[Formosa] / Ankô / 25.V.1941 / S. Miyamoto [hw] // Paratypus / *Helotrephes / formosanus* [p] / ♀ [hw] / Esaki et Miyamoto, / 1948 [p, blue label]’.

**Current status.** Valid subspecies: *Helotrephes semiglobosus formosanus* Esaki & Miyamoto, 1943 (see POLHEMUS 1995c, ZETTEL & POLHEMUS 1998, PAPÁČEK & ZETTEL 2004, AUKEMA et al. 2013).

***Helotrephes recurvatus* Zettel, 2000**

*Helotrephes recurvatus* Zettel, 2000a: 4–5, 19, 21, Figs 6–8, 15, 18, 22 (original description, key).

One paratype is deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂): ‘Malaysia, Sabah, Crocker / Range, Sunsuron, 10.-11.VI. / 1996, 8a, Sunsuron riv. Flowing / thorough deforested area [p] // ♂ [p] // P a r a t y p u s / Helotrephes / recurvatus sp.n. / des. H. Zettel 1998 [p, red label]’.

**Current status.** Valid species (see PAPÁČEK & ZETTEL 2004, CHEN et al. 2005).

***Hydrotrepes bicolanus seyferti* Zettel, 2003**

*Hydrotrepes bicolanus seyferti* Zettel, 2003: 54–55, 77, 79, 85–86, 95, Figs 79–84, 95, 102, 127 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPES (1 ♂ 1 ♀): ‘Philippinen: LZ, Albay / Malinao, Palali Falls / 200 m, 14.3.1999 / leg. H. Zettel (201) [p] // P a r a t y p u s / Hydrotrepes / bicolanus / seyferti ssp. n. / des. H. Zettel 2002 [p, red label]’.

**Current status.** Valid subspecies (see PAPÁČEK & ZETTEL 2004, CHEN et al. 2005).

***Hydrotrepes stereos* Nieser & Chen, 1999**

*Hydrotrepes stereos* Nieser & Chen, 1999: 98–99, 101, 104–107, 119, 123, Figs 84, 89, 104, 106, 110–112 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPES (1 ♂ 1 ♀): ‘PHILIPPINEN: Mindanao / Bukidnon, 4km NE Lantapan / Kastuan, Kutasihhan Riv., 850m / 9.11.1996, leg.H.Zettel (93) [p] // P a r a t y p u s / Hydrotrepes / stereos sp.n. / des. Nieser & Chen 1997 [p, red label]’.

**Current status.** Valid species (see ZETTEL 2003, PAPÁČEK & ZETTEL 2004, CHEN et al. 2005).

***Hydrotrepes visayesensis* Zettel, 2003**

*Hydrotrepes visayesensis* Zettel, 2003: 53, 55, 69–72, 94, Figs 38–40, 49, 54, 59, 126 (original description, keys to males and females).

One paratype is deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♀): ‘PHILIPPINEN: Panay, Ilo-Ilo / 10 km NE Igaras, Nadsadan / Falls. 500m, 22.3.1994 / leg. H. Zettel (47) [p] // P a r a t y p u s / Hydrotrepes / visayasensis sp. n. / des. H. Zettel 2002 [p, red label]’.

**Current status.** Valid species (see PAPÁČEK & ZETTEL 2004, CHEN et al. 2005).

## Tribe Limnotrephini J. T. Polhemus, 1990

***Mixotrepes (Pictotrepes) pictus* Papáček & Zettel, 2011**

*Mixotrepes (Pictotrepes) pictus* Papáček & Zettel, 2011: 399, 402–404, Figs 1–6, 9, 11–16 (original description).

The holotype and three paratypes are deposited in NMPC:

HOLOTYPE (♂ brach.): ‘LAOS, CHAMPASAK prov. / Bolavens Plateau / ca. 1 km S Ban Lak 40 [vill.] / TAD YUEANG waterfall, 900-970 m / 15°10.8’N, 106°08.3’E / Jiří Hájek leg. 28.iv.2010’ [p] // HOLOTYPUS / Mixotrepes / (Pictotrepes subgen.n.) / pictus sp.n. des. M. / Papáček & H. Zettel 2011 [p, red label]’. (Genital capsula, aedeagus and both parameres dissected and glued to the same piece of card as the specimen).

PARATYPES (3 ♀♀ brach.): ‘LAOS, CHAMPASAK prov. / Bolavens Plateau / ca. 1 km S Ban Lak 40 [vill.] / TAD YUEANG waterfall, 900-970 m / 15°10.8’N, 106°08.3’E / Jiří Hájek leg. 28.iv.2010’ [p] // PARATYPUS / Mixotrepes / (Pictotrepes subgen.n.) / pictus sp.n. des. M. / Papáček & H. Zettel 2011 [p, red label]’. (In two females terminalia and subgenital plate dissected and glued to the same piece of card as the specimens).

**Current status.** Valid species.

**Family MESOVELIIDAE Douglas & Scott, 1867**

## Subfamily Mesoveliinae Douglas &amp; Scott, 1867

***Mesovelia dentiventris* Linnavuori, 1971**

*Mesovelia dentiventris* Linnavuori, 1971: 363–364, Figs 20m–p (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Sudan. Equatoria / 30 km N of Terakeka / 4–5. III. 63 / Linnavuori [p] // ♀ [p] // Paratypus [p, red label] // Mesovelia / dentiventris / Lv. [hw, blue ink]’.

**Current status.** Valid species: *Mesovelia dentiventris dentiventris* Linnavuori, 1971 (see LINNAVUORI 1975, DAMGAARD et al. 2012).

**Family HEBRIDAE Amyot & Serville, 1843**  
**Subfamily Hebrinae Amyot & Serville, 1843**

***Hebrus (Hebrus) angolensis* Hoberlandt, 1951**

*Hebrus (Hebrus) angolensis* Hoberlandt, 1951a: 45–46, Figs 150–156 (original description).

Parts of the holotype and two paratypes are deposited in NMPC:

HOLOTYPE (♂ macr.): Two slides (Slide Box 2), one including antenna, fore, middle and hind leg, and hemelytron, and the other one including male genitalia, labelled: ‘N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M.Z. / (1430-17) 1950 [hw] / Kassai I. V. 1949 / Igt. A. Machado [hw, white label with black frame submarginally] // Holotypus [p] / Hebrus (s. str.) / angolensis / sp. n. / f. macr. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’. (Body of the holotype returned to the Dundo Museum, Angola).

PARATYPE (♂ macr.): ‘Dundo, Lunda / Angola [p] VI. 49 [hw] / A. B. Machado Igt. [p] // Ang. [p] No 1525. 12 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / angolensis / sp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂♂ [p]’.

PARATYPE (♀ macr.): ‘Dundo, Lunda / Angola [p] VI. 49 [hw] / A. B. Machado Igt. [p] // Ang. [p] No 1525. 12 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / angolensis / sp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀♀♀ [p]’.

**Current status.** Valid species.

***Hebrus (Hebrusella) machadoi* Hoberlandt, 1951**

*Hebrus (Hebrusella) machadoi* Hoberlandt, 1951a: 40–44, Figs 129–136 (original description, key).

PARATYPE (♀ macr.): ‘VI-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado Igt. [p] // Ang. [p] No 880. 4 / coll. A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus / (Hebrusella) / machadoi / sp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀♀♀ [p]’.

**Note.** Collection also includes two slides with legs, antennae and hemelytron of additional paratype specimens (Slide Box 2).

**Current status.** Valid species: *Hebrus (Hebrusella) machadoi machadoi* (see POISSON 1955).

***Hebrus (Hebrus) mizae* Hoberlandt, 1951**

*Hebrus mizae* Hoberlandt, 1951a: 47–48, Figs 157–164 (original description).

Four paratypes are deposited in NMPC:

PARATYPE (♂ macr.): ‘VI-VII. 48 Tshikapa [hw] / Dundo, Angola / A B Machado Igt. [p] // Ang. [p] No 880. 4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / mizae. / sp. n. f. macr.♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] / ♂♂♂♂ [p]’.

PARATYPE (♂ macr.): ‘VI-VII. 48 Tshikapa [hw] / Dundo, Angola / A B Machado Igt. [p] // Ang. [p] No 880. 4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / mizae. / sp. n. f. macr.♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♀ macr.): ‘VI-VII. 48 Tshikapa [hw] / Dundo, Angola / A B Machado Igt. [p] // Ang. [p] No 880. 4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / mizae. / sp. n. f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] / ♀♀♀♀ [p]’.

PARATYPE (♀ macr.): ‘VI-VII. 48 Tshikapa [hw] / Dundo, Angola / A B Machado Igt. [p] // Ang. [p] No 880. 4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus (s. str.) / mizae. / sp. n. f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.



**Note.** Collection also includes two slides with legs, antennae and hemelytron of additional paratype specimens (Slide Box 2).

**Current status.** Valid species.

### *Hebrus pusillus canariensis* Poisson, 1954

*Hebrus pusillus canariensis* Poisson, 1954: 1–2, Figs 1A–E (original description).

A syntype is deposited in NMPC:

SYNTYPE (♀ macr.): ‘Gran Canaria / Aldea S. Nicolas / 1. 3. 49 Lindberg [p] // ♀ [p] // Paratypus [p] / Hebr. pusillus / ssp. canariensis / Poiss. [hw, red label] // SYNTYPUS / *HEBRUS* / *PUSILLUS CANARIENSIS* / Poisson, 1954 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Hebrus (Hebrus) pusillus pusillus* (see BAENA 1996, AUKEMA et al. 2013).

**Remarks.** POISSON (1954) described the species based on 2 ♂♂ and 4 ♀♀ without designating a holotype, so all the specimens must be regarded as syntypes (see ANDERSEN 1995).

### *Hebrus sondani campestris* Linnavuori, 1971

*Hebrus sondani* Ps. ssp. *campestris* Linnavuori, 1971: 365, Figs 21j–m (original description).

Two paratypes are deposited in NMPC:

PARATYPES (2 ♀♀ macr.): ‘Sudan / Equatoria. ~~Fuba~~ / Terakeka 2–6 III. 63 / Linnavuori [p] // ♀ [p] // Paratypus [p, red label] // Hebrus / sondani ssp. / campestris / Lv. [hw, blue ink]’. (Both specimens on a single piece of card).

**Current status.** Valid species: *Hebrus (Hebrus) campestris* Linnavuori, 1971 (upgraded to species rank by LINNAVUORI 1981).

### *Hebrus (Hebrusella) wygodzinskyi* Hoberlandt, 1951

*Hebrus (Hebrusella) wygodzinskyi* Hoberlandt, 1951a: 42–44, Figs 137–145 (original description, key).

A paratype is deposited in NMPC:

PARATYPE (♂ macr.): ‘Dundo, Lunda / Angola [p] 11.VII.48 [hw] / A. B. Machado lgt. [p] // Paratypus [p, red label] // Paratypus [p] / Hebrus / (Hebrusella) / wygodzinskyi / sp. n. f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂♂♂ [p]’.

**Note.** Collection also includes two slides with legs, antennae and hemelytron of additional paratype specimens (Slide Box 2).

**Current status.** Valid species (see POISSON 1955).

### *Merragata lindbergi* Poisson, 1954

*Merragata lindbergi* Poisson, 1954: 2–3, Figs 2A–G (original description).

A paratype is deposited in NMPC:

SYNTYPE (♂ macr.): ‘Tenerife / Puerto de S. Juan [p] / 18. 1. [hw] 49 Lindberg // ♂ [p] // Paratypus [p] / Merragata / Lindbergi / Poiss. [hw, red label] // SYNTYPUS / *MERRAGATA* / *LINDBERGI* / Poisson, 1954 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Merragata hebroides* White, 1877 (see DRAKE & CHAPMAN 1958, DRAKE & COBBEN 1960, ANDERSEN 1995, MOREIRA et al. 2011).

**Remarks.** POISSON (1954) described the species based on 2 ♂♂ and 4 ♀♀ without designating a holotype, so all the specimens must be regarded as syntypes (see ANDERSEN 1995).

**Family HYDROMETRIDAE Billberg, 1820**

Subfamily Heterocleptinae Villiers, 1948

***Heterocleptes hoberlandti* China, Usinger & Villiers, 1950**

*Heterocleptes hoberlandti* China, Usinger & Villiers, 1950: 338–340, Figs 1–3 (original description, differential diagnosis).

The holotype is deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Dundo - ANGOLA [p] / Forest gallery of the river / Coachino, detritus on / soil / 10–[hw]194[p]6[hw] A.B.Machado [p] // ♂ [p] // Heterocleptes / hoberlandti / China, Usinger, / Villiers [hw, white label with black frame submarginally] // HOLOTYPE [p] / Heterocleptes / hoberlandti / China, Usinger, Villiers [hw, red label]’. (Specimen card-mounted, both detached fore legs glued to the same card; male genitalia mounted on a microslide attached to a card and placed on the same pin.)

**Current status.** Valid species (see ANDERSEN 1982).

Subfamily Hydrometrinae Billberg, 1820

***Bacillometra woytkowskii* Hungerford, 1935**

*Bacillometra woytkowskii* Hungerford, 1935: 119–123, Figs 1 male, a, b; 2 female, a, b (original description, key).

Two paratypes are deposited in NMPC.

PARATYPE (♂ macr.): ‘Peru S A / Ricardo Palma / Nov. 27-29 1934 / F. Woytkowski [p] // 1250 m above sea / 44 km E of Lima / (see letter) [p] // ♂ [p] // P A R A T Y P E / Bacillometra / woytkowskii / H. B. Hungerford [p, blue label]’.

PARATYPE (♀): ‘Peru S A / Ricardo Palma / Nov. 27-29 1934 / F. Woytkowski [p] // 1250 m above sea / 44 km E of Lima / (see letter) [p] // ♀ [p] // P A R A T Y P E / Bacillometra / woytkowskii / H. B. Hungerford [p, blue label]’.

**Current status.** Valid species: *Bacillometroides woytkowskii* (Hungerford, 1935) (see POLHEMUS & POLHEMUS 2010, HECKMAN 2011).

***Hydrometra greeni* Kirkaldy, 1898**

*Hydrometra greeni* Kirkaldy, 1898: 2 (original description).

One syntype is deposited in NMPC:

SYNTYPE (♀ macr.): ‘Surface of / stagnant Pond [hw] / Punduloya. / Ceylon. / E. K. Green [p] / May 90 [hw] // Geo W. Kirkaldy [p] // Hydrometra / greeni / - Kirk. [hw] // Hydrometra / greeni / Kirk. / SYNTYPE. [hw] // ♀ [p]’.

**Current status.** Valid species (see ANDERSEN 1995, POLHEMUS & POLHEMUS 1995a, CHEN et al. 2005, YANG & ZETTEL 2005).

***Hydrometra marani* Hoberlandt, 1942**

*Hydrometra marani* Hoberlandt, 1942b: 13–15, Figs 1–3 (original description).

The holotype and three paratypes are deposited in NMPC:

HOLOTYPE (♀ macr.): ‘Chartum / Sudan / coll. Baum [p] / reverse: V. 1931 [hw] // Holotypus [p, red label with black margins] // Hydrometra / mařani n. sp. ♀ [hw, red ink] / L. Hoberlandt det. [p]’. (Holotype mounted to a piece of card; right fore leg, mesotibia, mesotarsus and metatarsus, and left middle and hind leg missing).

PARATYPES (3 ♀♀ macr.): ‘Chartum / Sudan / coll. Baum [p] / reverse: V. 1931 [hw] // Paratypus [p, red label, black margins] // Hydrometra mařani n. sp. ♀ [hw, red ink] / L. Hoberlandt det. [p]’. (Paratypes badly damaged; one of them missing head and all appendages, another one missing head and four legs).

**Current status.** Valid species (see POISSON 1949b). It was omitted in the monograph on water bugs of Sudan by LINNAVUORI (1971).

### *Hydrometra zeteki* Drake, 1952

*Hydrometra zeteki* Drake, 1952: 2–3 (original description).

Three paratypes are deposited in NMPC:

PARATYPE (♂ submacr.): ‘Canal Zone / Pan.2-10-39 / C. J. Drake [p] // Paratype [p] / Hydrometra / zeteki / Drake [hw, red label] // ♂ [p]’.

PARATYPE (♀ submacr.): ‘Canal Zone / Pan.2-10-39 / C. J. Drake [p] // Paratype [p] / Hydrometra / zeteki / Drake [hw, red label] // ♀ [p]’.

PARATYPES (2 ♀♀ submacr.): ‘Canal Zone / Pan.2-10-39 / C. J. Drake [p] // Paratype [p] / Hydrometra / zeteki / Drake [hw, red label] // C J Drake / Coll. 1956 [p] // ♀ [p]’.

**Current status.** Valid species (see FROESCHNER 1999, HECKMAN 2011).

## Family MACROVELIIDAE McKinstry, 1942

### *Oravelia pege* Drake & Chapman, 1963

*Oravelia pege* Drake & Chapman, 1963: 227–233, Figs 1, 3a–c (original description, key).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Tollhouse / Fresno co. / Calif. 16–X.62 [hw] / reverse: Fresno / Calif [hw] // ♂ [p] // Oravelia / pege / D & C [hw] / PARATYPE [p, red label]’.

PARATYPE (♀ apter.): ‘Tollhouse / Fresno co. / Calif 16.X.62 // ♀ [p] // Oravelia / pege / D. & C [hw] / PARATYPE [p, red label] // PARATYPE [p in blue] / Oravelia / pege / D & C [hw, white label with blue margins]’.

**Current status.** Valid species (see FROESCHNER 1988).

## Family VELIIDAE Brullé, 1836

Subfamily Microveliinae China & Usinger, 1949 (1860)

### *Microvelia (Microvelia) angolensis* Hoberlandt, 1951

*Microvelia (Microvelia) angolensis* Hoberlandt, 1951a: 24–27, Figs 48–57 (original description).

Five paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Dundo, Lunda / Angola [p] III. 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] No. 608.3 [hw] / coll. A. B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / angolensis / n. sp. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂♂ [p] // Mus. Nat. Pragae / Inv. [p] 1209 [hw, orange label]’.

PARATYPES (2 ♂♂ apter.): ‘Dundo, Lunda / Angola [p] III. 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] No. 608.3 [hw] / coll. A. B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / angolensis / n. sp. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1210, 1211 [respectively; hw, orange label]’.

PARATYPE (♂ apter.): ‘N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M. Z. / (608.3) 1950 [hw] / Dundo Lunda III. 1948 / lgt. A. Machado [hw, white label with black frame submarginally] // Paratypus [p] / Microvelia (s. str.) / angolensis / apt. ♂ sp.n. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’. (The specimen is mounted on a slide, male genitalia and all legs except the right hind leg are removed; male genitalia, and one fore and both middle legs mounted on two separate slides. All the slides deposited in Slide Box 2).

PARATYPE (♀ apter.): ‘Dundo, Lunda / Angola [p] III. 48 [hw] / A B Machado lgt. [p] // Ang. [p] No. 608.3 [hw] / coll. A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / angolensis / n. sp. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀|♀|♀|♀ [p] // Mus. Nat. Pragae / Inv. [p] 1212 [hw, orange label]’.

**Current status.** Valid species.

### *Microvelia arca* Drake, 1958

*Microvelia arca* Drake, 1958: 59–60, Fig. 1 (original description).

Three paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘Linha Facao / St. Catarina / Bras. [p] V [hw] 57 / F. Plaumann [p] // C. J. Drake / Coll. 1956 [p] // ♂ [p] // PARATYPE / By C. J. Drake [p] / Microvelia / arca [hw, red label]’.

PARATYPE (1 ♀ apter.): ‘Linha Facao / St. Catarina / Bras. [p] V [hw] 57 / F. Plaumann [p] // C. J. Drake / Coll. 1956 [p] // ♀ [p] // PARATYPE / By C. J. Drake [p] / Microvelia / arca [hw, red label]’.

**Current status.** Valid species, not attributed to any subgenus (see HECKMAN 2011, MOREIRA et al. 2011).

### *Microvelia buenoi* Drake, 1920

*Microvelia buenoi* Drake, 1920: 20–21 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Cranberry Lake / N. Y. 7. 19-19 [p] // C. J. Drake / Collector [p] // Bean / Pond [hw] // Paratype [p] / Microvelia / buenoi / Drake [hw, red label] // ♂|♂|♂ [p]’.

**Current status.** Valid species: *Microvelia (Microvelia) buenoi* Drake, 1920 (see SMITH 1988a, ANDERSEN 1995, KANYUKOVA 2006, AUKEMA et al. 2013).

### *Microvelia (Pseudovelina) crinita* Hoberlandt, 1951

*Microvelia (Pseudovelina) crinita* Hoberlandt, 1951a: 36–38, Figs 103–113 (original description).

Parts of the holotype and one paratype are deposited in NMPC:

HOLOTYPE (♂): Two slides (Slide Box 2), one including antenna, fore, middle and hind leg, and the other one including male genitalia, labelled: ‘N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M.Z. / (880.4) 1950 [hw] / Tshikapa Dundo, Lunda / VI.-VII. 48 lgt. A. Machado [hw, white label with black frame submarginally] // Holotypus [p] / Microvelia / (Pseudovelina subgen. n.) / crinita sp.n. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’. (Body of the holotype returned to the Dundo Museum, Angola).

PARATYPE (♀ apter.): ‘VI.-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No 880.4 [hw] / coll A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia (Pseudovelina subgen. n.) / crinita / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀|♀|♀|♀ [p]’.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) crinita* (Hoberlandt, 1951) (see LINNAVUORI 1977, ANDERSEN 1983).

***Microvelia cubana* Drake, 1951**

*Microvelia cubana* Drake, 1951a: 41–42 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Habana / II-24.43 Cuba / S. C. Bruner [hw] // PARATYPE / By C. J. Drake [p] / *Microvelia* / *cubana* [hw, red label] // ♂ [p]’.

**Current status.** Valid species: *Microvelia (Microvelia) cubana* Drake, 1951 (see SMITH 1988a).

***Microvelia (Pseudovelina) dahli* Hoberlandt, 1958**

*Microvelia (Pseudovelina) dahli* Hoberlandt, 1958: 1354–1356, Figs 1–5 (original description).

Six paratypes are deposited in NMPC:

PARATYPE (♂ macr.): ‘Cameroun - 1949-50 [p] / 26[hw]/[p]II[hw] – [p] 85 [hw] / Lok. [p] 174 [hw] / J. B.-S. J. D. [p] // n. sp. [hw] // Paratypus [p] ♂ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’.

PARATYPE (♂ macr.): ‘Cameroun 1949-50 / 13/12 - 222 / Lok. 174 / J.B.-S. J.D. [hw] // Paratypus [p] ♂ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’. (Male genitalia dissected and stored in a set of two microslides attached to pieces of cards and placed on the same pin).

PARATYPE (♂ macr.): ‘Cameroun 1949-50 / 26/II. loc. 124/85 / J. B.-S. J. D. [hw] // Paratypus [p] ♂ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’. (Left antenna, fore and hind leg, hemelytron, and male genitalia dissected and stored in a set of four microslides attached to pieces of cards and placed on the same pin).

PARATYPE (♀ macr.): ‘Cameroun - 1949-50 / 27/II – 84 / Lok. 174 / J. B. – S. J. D. [hw] // Paratypus [p] ♀ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’.

PARATYPE (♀ macr.): ‘Cameroun 1949-50 / 26/II – 85 / Lok 174 / J. B. – S. J. D. [hw] // Paratypus [p] ♀ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’.

PARATYPE (♀ macr.): ‘Cameroun - 1949-50 / 20/12 – 264 / Lok. 174 / J. B.–S. J. D. [hw] // Paratypus [p] ♀ / *Microvelia* / (*Pseudovelina*) / *dahli* n. sp. [hw] / Det. L. Hoberlandt, 19[p]58 [hw, red label]’.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) dahli dahli* (Hoberlandt, 1958) (see LINNAVUORI 1977, ANDERSEN 1983).

***Microvelia hozari* Hoberlandt, 1952**

*Microvelia hozari* Hoberlandt, 1952: 29–32, Pl. VII: Figs 50–55, Pl. X: Fig. 71 (original description, differential diagnosis).

The holotype and 79 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Holotypus [p, red label] // Holotypus [p] / *Microvelia* / *hozari* sp. n. / apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // ♂ [p] // Mus. Nat. Pragae / Inv. [p] 1077 [hw, orange label]’.

PARATYPES (15 ♂ apter.): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / *Microvelia* / *hozari* sp. n. / apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1088, 1090, 1091, 1092, 1093, 1094 [respectively; hw, orange label]’.

PARATYPE (♀ apter.): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Allotypus [p, red label] // Allotypus [p] / *Microvelia* / *hozari* sp. n. / apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // ♀ [p] // Mus. Nat. Pragae / Inv. [p] 1086 [hw, orange label]’.

- PARATYPES (19 ♀♀ apter.): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / hozari sp. n. / apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1097, 1098, 1099, 1100, 1101, 1103, 1104, 1105, 1106, 1107, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1118 [respectively; hw, orange label]’.
- PARATYPES (3 ♀♀ apter.): ‘Suluhan, Toros / Anat. 1[p]0.[hw] VIII. 47 / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / hozari sp. n. / apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1119, 1120, 1121 [respectively; hw, orange label]’.
- PARATYPES (♂ macr.): ‘Afrin near / Musabeyli [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / hozari sp. n. / f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // ♂ [p] // Mus. Nat. Pragae / Inv. [p] 1122 [hw, orange label]’.
- PARATYPES (14 ♂♂ macr.): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / hozari sp. n. / f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1137 [respectively; hw, orange label]’.
- PARATYPES (21 ♀♀ macr.): ‘Kilis [hw] / Anat. [p] 20.VIII.47 [hw] / Exp. N. Mus. ČSR [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / hozari sp. n. / f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]48 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1138, 1139, 1140, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159 [respectively; hw, orange label]’.
- PARATYPES (♂ apter.): ‘Paratypus [hw, red pencil] / Microvelia / hozari sp. n. / f. apt. ♂ / Kilis, Anatolia / 20.VIII.47 / Exp. N. Mus. [hw, white label with black frame submarginally] // Caput, antenna / thorax / abdomen / L. Hoberlandt [hw, white label with black frame submarginally]’. (Specimen mounted on a slide; Slide Box 2).
- PARATYPES (♂ apter., ♀ apter.): ‘Paratypus [hw, red pencil] / Microvelia / hozari sp. n. / f. apt. ♂ + ♀ / Kilis, Anatolia / 20.VIII.47 / Exp. N. Mus. [hw, white label with black frame submarginally] // Corpora / L. Hoberlandt [hw, white label with black frame submarginally]’. (Specimens mounted on a single slide; Slide Box 2).

**Note.** Collection also contains 10 slides with various body parts of paratype specimens (Slide Box 2).

**Current status.** Valid species: *Microvelia (Picaultia) hozari* Hoberlandt, 1952 (see ANDERSEN 1995, ANDERSEN & WEIR 2003, AUKEMA et al. 2013).

### *Microvelia inannana* Drake & Hottes, 1952

*Microvelia inannana* Drake & Hottes, 1952: 67 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀ apter.): ‘Tigre, B. Aires / Arg. Dec. 10, 1938 / Carl J. Drake [p] // Paratype [p] / Microvelia / inannana / D & H [hw, red label] // ♀ [p]’.

**Current status.** Valid species, not attributed to any subgenus (see HECKMAN 2011, MOREIRA et al. 2011).

### *Microvelia japonica* Esaki & Miyamoto, 1955

*Microvelia japonica* Esaki & Miyamoto, 1955: 179, 187–190, Figs 7A–M, Pl. 25: Fig. A, Pl. 29: Figs E–F (original description, key).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘(Kyushu) / Wakasugi-yama / Chikuzen / 28. VII. 1948 / S. Miyamoto [hw] // ♂ [p] // PARATYPUS / Microvelia / japonica / Esaki et Miyamoto / reverse: [Kyushu] / Wakasugi-yama / Chikuzen / 28. VII. 1948 / S. Miyamoto [hw] // PARATYPUS / MICROVELIA / JAPONICA / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘(Kyushu) / Wakasugi-yama / Chikuzen / 28. VII. 1948 / S. Miyamoto [hw] // ♀ [p] // PARATYPUS / *MICROVELIA / JAPONICA* / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species: *Microvelia (Picaultia) japonica* Esaki & Miyamoto, 1955 (see ANDERSEN 1995, ANDERSEN & WEIR 2003, AUKEMA et al. 2013).

### *Microvelia (Microvelia) kamassanguensis* Hoberlandt, 1951

*Microvelia (Microvelia) kamassanguensis* Hoberlandt, 1951: 28–30, Figs 69–72 (original description).

The holotype and one paratype (allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘16.I.48 Kamassangu [hw] / Dundo, Angola / A. B. Machado lg. [p] // Ang. [p] No. 333.3 [hw] / coll.A.B.Machado [p] // Holotypus [p, red label] // Holotypus [p] / *Microvelia / kamassangu- / ensis* sp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂ [p]’. (The specimen is mounted on a piece of card; left hind leg, right antenna and all legs on the right side dissected, mounted on two slides deposited in Slide Box 2).

PARATYPE (♀ apter.): ‘16.I.48 Kamassangu [hw] / Dundo, Angola / A B Machado lgt. [p] // Ang. [p] No. 333.3 [hw] / coll.A.B Machado [p] // Allotypus [p, red label] // Allotypus [p] / *Microvelia / kamassangu- / ensis* sp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀♀ [p]’.

**Current status.** Valid species.

### *Microvelia kyushuensis* Esaki & Miyamoto, 1955

*Microvelia kyushuensis* Esaki & Miyamoto, 1955: 172, 178, 181–185, Figs 2a, 6A–I, Pl. 24, Pl. 27: Figs E–F (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘(Kyushu) / Kurume / Chikugo / 2. IX. 1952 / S. Miyamoto [hw] // ♂ [p] // PARATYPUS / *Microvelia / kyushuensis* / Esaki et Miyamoto / reverse: [Kyushu] / Kurume / Chikugo / 2. IX. 1952 / S. Miyamoto [hw] // PARATYPUS / *MICROVELIA / KYUSHUENSIS* / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘(Kyushu) / Kurume / Chikugo / 2. IX. 1952 / S. Miyamoto [hw] // ♀ [p] // PARATYPUS / *MICROVELIA / KYUSHUENSIS* / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species: *Microvelia (Pacifcovelia) kyushuensis* Esaki & Miyamoto, 1955 (see ANDERSEN 1995, ANDERSEN & WEIR 2003, AUKEMA et al. 2013).

### *Microvelia lacunana* Drake & Plaumann, 1953

*Microvelia lacunana* Drake & Plaumann, 1953: 415–416 (original description).

One paratype (allotype) is deposited in NMPC:

PARATYPE (♀ macr.): ‘1953 [p, vertical line] / Brasilien / Rio Caragualà / 21° 48’ B. 52° 27’ L. / Fritz Plaumann [p, horizontal lines] / 400 m [p, vertical line; white label with light blue vertical lines and black frame submarginally] // Allotype [p] / *Microvelia / lacunana* / D & P. [hw, red label] // ♀ [p]’.

**Current status.** Valid species: *Xiphovelia lacunana* (Drake & Plaumann, 1953) (see POLHEMUS 1977, HECKMAN 2011, MOREIRA et al. 2011). However, ZETTEL (2012c: 100) expressed serious doubts concerning placement of this Nearctic species in *Xiphovelia*; further revision seems necessary to elucidate its generic placement.

***Microvelia (Pseudovelina) lansburyi* Hoberlandt, 1956**

*Microvelia (Pseudovelina) lansburyi* Hoberlandt, 1956: 181–184, Figs 1–9 (original description).

Ten paratypes are deposited in NMPC:

- PARATYPE (♂ apter.): GBG. / 239. F [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 26. xi. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♂ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♂ apter.): ‘GBG. / 339.C [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 29. viii. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♂ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’. (Left antenna, right fore and hind leg, and male genitalia dissected and stored in a set of three microslides attached to pieces of card and placed on the same pin).
- PARATYPE (♂ apter.): ‘GBG. / 566.C [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 28. v. 1952 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♂ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♂ apter.): ‘GBG. / 585.A [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 29. v. 1952 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♂ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’. (Antenna and all legs on the left side and male genitalia dissected and stored in a set of three microslides attached to pieces of card and placed on the same pin).
- PARATYPE (♀ apter.): GBG. / 269. B [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 29. v. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♀ apter.): ‘GBG. / 339. C. [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 29. viii. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♀ apter.): ‘GBG. / 443.F [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 1. xii. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina* sbg. n.) / *lansburyi* sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♀ apter.): ‘GBG. / 478. E. [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 28. xii. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♀ apter.): ‘GBG. / 585. A [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 29. v. 1951 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.
- PARATYPE (♀ apter.): ‘GBG. / 607. G. [hw, vertical lines] / CAPE PROVINCE / Great Berg River [p] / 9. ix. 1952 [hw] / A. D. Harrison / C.S.I.R. Stream Survey [p] // Paratypus [p] ♀ / *Microvelia* / (*Stenovelina*) / *lansburyi* sbg. sp. n. [hw] / Det. L. Hoberlandt, 19[p]54 [hw, red label]’.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) lansburyi* (Hoberlandt, 1956) (see ANDERSEN 1983).

***Microvelia limaiana* Drake, 1951**

*Microvelia limaiana* Drake, 1951b: 79–80 (original description).

Eight paratypes are deposited in NMPC:

- PARATYPE (♂ apter.): ‘Nova Teutonia / St. Catarina / Bras. [p] VI. 10 [hw] 1950 / Fritz Plaumann [p] / PARATYPE / By C. J. Drake [p] / *Microvelia* / *limaiana* [hw, red label] // *Microvelia* / *limaiana* / Drak. [hw, white label with black frame submarginally] // ♂♂♂ [p]’.
- PARATYPES (5 ♂♂ apter.): ‘Nova Teutonia / St. Catarina / Bras. [p] VI. 10 [hw] 1950 / Fritz Plaumann [p] // PARATYPE / By C. J. Drake [p] / *Microvelia* / *limaiana* [hw, red label] // ♂ [p]’.
- PARATYPES (2 ♀♀: 1 ♀ apter., 1 ♀ macr.): ‘Nova Teutonia / St. Catarina / Bras. [p] VI. 10 [hw] 1950 / Fritz Plaumann [p] // PARATYPE / By C. J. Drake [p] / *Microvelia* / *limaiana* [hw, red label] // ♀♀♀ [p]’.



**Current status.** Valid species, not attributed to any subgenus (see HECKMAN 2011, MOREIRA et al. 2011).

### *Microvelia (Pseudovelina) lundaensis* Hoberlandt, 1951

*Microvelia (Pseudovelina) lundaensis* Hoberlandt, 1951a: 33–35, Figs 92–102 (original description).

Parts of the holotype and two paratypes are deposited in NMPC:

HOLOTYPE (♂ apter.): Two slides (Slide Box 2), one including antenna, fore, middle and hind leg, and the other one including male genitalia, labelled: 'N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M.Z. / (880.4) 1950 [hw] / Tshikapa Dundo, Lunda / VI.-VII. 48 lgt. A. Machado [hw, white label with black frame submarginally] // Holotypus [p] / Microvelia / (Pseudovelina subgen. n.) / lundaensis sp.n. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]'. (Body of the holotype returned to the Dundo Museum, Angola).

PARATYPE (♂ macr.): 'VI.-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No 880.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia (Pseudovelina subg. n.) / lundaensis / sp. n. f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂♂♂ [p]'.

PARATYPE (♀ apter.): 'VI.-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt [p] // Ang. [p] No 880.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia (Pseudovelina subg. n.) / lundaensis / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀♀♀♀ [p]'.

**Note.** Collection also includes one slide with hemelytron of an additional paratype specimen.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) lundaensis* (Hoberlandt, 1951) (see ANDERSEN 1983).

### *Microvelia (Trichovelina) machadoi* Hoberlandt, 1951

*Microvelia (Trichovelina) machadoi* Hoberlandt, 1951a: 38–41, Figs 114–125 (original description).

Parts of the holotype and one paratype are deposited in NMPC:

HOLOTYPE (♂ apter.): Two slides (Slide Box 2), one including antenna, fore, middle and hind leg, and the other one including male genitalia, labelled: 'N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M.Z. / (880.4) 1950 [hw] / Tshikapa Dundo, Lunda / VI.-VII. 48 lgt. A. Machado [hw, white label with black frame submarginally] // Holotypus [p] / Microvelia / (Trichovelina subgen. n.) / machadoi sp.n. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]'. (Body of the holotype returned to the Dundo Museum, Angola).

PARATYPE (♀ apter.): 'VI.-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No 880.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Microvelia / (Trichovelina subg. n.) / machadoi / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀♀♀♀ [p]'.

**Current status.** Valid species: *Pseudovelina (Trichovelina) machadoi* (Hoberlandt, 1951) (see LINNAVUORI 1975, 1977; ANDERSEN 1983).

### *Microvelia novana* Drake & Plaumann, 1955

*Microvelia novana* Drake & Plaumann, 1955: 22–23 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀ apter.): 'Nova Teutonia / St. Catarina / Bras. [p] XI – [hw] 195[p]3 [hw] / Fritz Plaumann [p] // Paratype [p] / Microvelia / novana / D.& P. [hw, red label] // ♀ [p]'.

**Current status.** Valid species, not attributed to any subgenus (see HECKMAN 2011, MOREIRA et al. 2011).

***Microvelia portoricensis* Drake, 1951**

*Microvelia portoricensis* Drake, 1951a: 40–41 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♀ macr.): ‘Mayaguez, Puerto / Rico, 4-4. 36 / H. D. Tate [p] // ♀ [p] // Paratype [p] / *Microvelia* / *portoricensis* / Drake. [hw, red label]’.

PARATYPE (♀ apter.): ‘Mayaguez, Puerto / Rico, 4-4. 36 / H. D. Tate [p] // ♀ [p] // Paratype / By C. J. Drake [p] / *Microvelia* / *portoricensis* [hw, red label]’.

**Current status.** Valid species, not attributed to any subgenus (see MALDONADO-CAPRILES & NAVARRO 1967).

***Microvelia (Microvelia) priesneri* Hoberlandt, 1951**

*Microvelia (Microvelia) priesneri* Hoberlandt, 1951b: 271–275, Figs 1–9 (original description, key).

The holotype and one paratype are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Alex. [hw] / Egypt. [p] 12.9.33 [hw] / Dr. H. Priesner [p, white label with black frame submarginally] // Holotypus [p, red label] // Holotypus [p] / *Microvelia* (s. str.) / *priesneri* sp. n. / f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]51 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1213 [hw, orange label]’. (The specimen is card-mounted; antenna and all legs on the left side, and genitalia dissected, stored in a set of three microslides attached to three pieces of card placed on the same pin).

PARATYPE (♀ apter.): ‘Alex. [hw] / Egypt. [p] 12.9.33 [hw] / Dr. H. Priesner [p, white label with black frame submarginally] // Paratypus [p, red label] // Paratypus [p] / *Microvelia* (s. str.) / *priesneri* sp. n. / f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]51 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1214 [hw, orange label]’.

**Current status.** Junior synonym of *Microvelia (Picaultia) popovi* Brown, 1951 (see LINNAVUORI 1986, ANDERSEN 1995, ANDERSEN & WEIR 2003, AUKEMA et al. 2013).

***Microvelia (Microvelia) silvestris* Hoberlandt, 1951**

*Microvelia (Microvelia) silvestris* Hoberlandt, 1951a: 28, 30–32, Figs 73–82 (original description).

The holotype is deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Dundo, Lunda / Angola [p] 10.XI.48 [hw] / A. B. Machado lgt. [p] // Ang. [p] No. 1209.2 [hw] / coll.A.B Machado // Holotypus [p, red label] // Holotypus [p] / *Microvelia* / *silvestris* / sp. n. f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂♂♂♂ [p]’. (The specimen is card-mounted; left antenna, hemelytron, and all legs dissected, mounted on two separate slides deposited in Slide Box 2).

**Current status.** Valid species.

***Microvelia (Trichovelina) troilos* Linnavuori, 1975**

*Microvelia (Trichovelina) troilos* Linnavuori, 1975: 50–53, Figs 19–25 (original description, key).

PARATYPE (♀ apter.): ‘Côte d’Ivoire / Bouaké / IV-1964 / leg.R.H.Cobben [p] // Paratype / micr. (*Trichovelina* / *troilos* Linn. ♀ [sic!; hw, pale green label]’.

**Current status.** Valid species: *Pseudovelina (Trichovelina) troilos* (Linnavuori, 1975) (see LINNAVUORI 1977, ANDERSEN 1983).

***Microvelia tshingandana* Linnavuori & Weber, 1974**

*Microvelia tshingandana* Linnavuori & Weber, 1974: 331–332, Figs 1a–e (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Zentral-Afrika [hw] // Tshinganda - Qache / 2450 m 5.4.72 / Statzner leg. [hw] // ♂ [p] // Paratypus / *Microvelia* / *tshingandana* / Lv. et Hb. [hw, red label]’.

**Current status.** Valid species, not attributed to any subgenus.

***Microvelia (Microvelia) vilhenai* Hoberlandt, 1951**

*Microvelia (Microvelia) vilhenai* Hoberlandt, 1951a: 31–33, Figs 83–91 (original description).

Seven paratypes are deposited in NMPC:

PARATYPES (4 ♂♂ apter.): ‘Dundo, Lunda / Angola [p] VI. 49 [hw] / A. B. Machado lgt. [p] // Ang. [p] No 1525.12 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / *Microvelia* / *vilhenai* / sp. n. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPES (3 ♀♀ apter.): ‘Dundo, Lunda / Angola [p] VI. 49 [hw] / A. B. Machado lgt. [p] // Ang. [p] No 1525.12 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / *Microvelia* / *vilhenai* / sp. n. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

**Note.** Collection also includes two slides, one with antenna, fore, middle and hind leg, the other one with male genitalia, of an additional paratype specimen.

**Current status.** Valid species (see POISSON 1957).

***Pseudovelina heissi* Hecher, 2006**

*Pseudovelina heissi* Hecher, 2006: 436, 447–455, Figs 2, 12, 33–35, 46, 49, 58 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘Philippinen: Catanduanes / W Bato / Maribini Falls / 6.3.1999 / leg. H. Zettel (194) [p] // ♂ [p] // Paratypus / *Pseudovelina* / *heissi* sp.n. / des. Hecher 2006 [p, red label]’.

PARATYPE (♀ apter.): ‘Philippinen: Camarines Sur / 20km E Naga, 3km E Carolina / Mainit Spring (Hydro) / 20.2.1998, leg.Zettel (142) [p] // ♀ [p] // Paratypus / *Pseudovelina* / *heissi* sp.n. / des. Hecher 2006 [p, red label]’.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) heissi* Hecher, 2006.

***Pseudovelina polhemi* Hecher, 2006**

*Pseudovelina polhemi* Hecher, 2006: 436, 438–440, 450–451, 453–454, Figs 11, 16–18, 43, 57–58 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘Philippinen: La Union / Bacnotan, Don Mariano / Marcos Mem. State Univ. / Casiaman Falls, 24.10. / 2002, leg.H.Zettel (312) [p] // ♂ [p] // Paratypus / *Pseudovelina* / *polhemi* sp. n. / des. Hecher 2006 [p, red label]’.

PARATYPE (♀ apter.): ‘Philippinen: La Union / Bacnotan, Don Mariano / Marcos Mem. State Univ. / Casiaman Falls, 24.10. / 2002, leg.H.Zettel (312) [p] // ♀ [p] // Paratypus / *Pseudovelina* / *polhemi* sp. n. / des. Hecher 2006 [p, red label]’.

**Current status.** Valid species: *Pseudovelina (Pseudovelina) polhemi* Hecher, 2006.

***Pseudovelgia schoenigi* Hecher & Bongo, 2006**

*Pseudovelgia schoenigi* Hecher & Bongo, 2006: 92–98, Figs 1–9 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘Philippinen: Masbate Isl. / 3.5 km SE Masbate, Tugbo / Tugbo River / 2.3.1998 / leg. H. Zettel (152) [p] // 1 [hw] // ♂ [p] // Paratypus / Pseudovelgia / schoenigi sp.n., des. / Hecher & Bongo 2005 [p, red label]’ (The specimen is card-mounted, the detached male genitalia glued to the same piece of card).

PARATYPE (♂ apter.): ‘Philippinen: Masbate Isl. / 2 km S Baleno / stream, 4.3.1998 / leg. H. Zettel (154) [p] // ♂ [p] // Paratypus / Pseudovelgia / schoenigi sp.n., des. / Hecher & Bongo 2005 [p, red label]’. (The specimen is card-mounted, glued on its dorsum).

**Current status.** Valid species: *Pseudovelgia (Pseudovelgia) schoenigi* Hecher & Bongo, 2005.

***Pseudovelgia ullrichi* Hecher, 2005**

*Pseudovelgia ullrichi* Hecher, 2005: 56–57, 59, 62–64, Figs 1, 13–19 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘11 VIII 1998 Thaild. / Mae Hong Son / Mae Nam Cottage // N 019° 19’59.0” / in Pai River / E 097° 57’ 13.0” [p] // among floating / debris / Dr. W. Ullrich leg. [p] // Dr. Wolfgang G. / ULLRICH / collection [p] // ♂ [p] // Paratypus / Pseudovelgia / ullrichi sp.n. / des. C. Hecher 2004 [p, red label]’.

PARATYPE (♀ apter.): ‘11 VIII 1998 Thaild. / Mae Hong Son / Mae Nam Cottage // N 019° 19’59.0” / in Pai River / E 097° 57’ 13.0” [p] // among floating / debris / Dr. W. Ullrich leg. [p] // Dr. Wolfgang G. / ULLRICH / collection [p] // ♀ [p] // Paratypus / Pseudovelgia / ullrichi sp.n. / des. C. Hecher 2004 [p, red label]’.

**Current status.** Valid species: *Pseudovelgia (Pseudovelgia) ullrichi* Hecher, 2005.

***Pseudovelgia tibialis* Esaki & Miyamoto, 1955**

*Pseudovelgia tibialis* Esaki & Miyamoto, 1955: 174–176, 179, 193–199, Figs 3A–D, 4D, 8A–E, 9A–J, Pl. 25: Fig. B, Pl. 29: Figs A–C (original description, key).

Four paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘(Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // ♂ [p] // PARATYPUS / PSEUDOVELLIA / TIBIALIS / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘(Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // ♀ [p] // PARATYPUS / Pseudovelgia / tibialis / Esaki et Miyamoto / reverse: (Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // PARATYPUS / PSEUDOVELLIA / TIBIALIS / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♂ macr.): ‘(Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // ♂ [p] // PARATYPUS / Pseudovelgia / tibialis / Esaki et Miyamoto / reverse: (Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // PARATYPUS / PSEUDOVELLIA / TIBIALIS / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♂ macr.): ‘(Kyushu) / Mt. Kirishima / Hyuga / 28. IX. 1952 / R. Morimoto [hw] // ♀ [p] // PARATYPUS / PSEUDOVELLIA / TIBIALIS / Esaki & Miyamoto, 1955 / labelled: P. KMENT 2013 [p, red label]’. (Detached antennal segment III and IV of both antennae glued on a separate piece of card).

**Current status.** Valid species: *Pseudovelgia tibialis tibialis* Esaki & Miyamoto, 1955 (see MIYAMOTO & LEE 1963; ANDERSEN 1983, 1995a; YE et al. 2013a).

***Xiphoveloidea chinai* Hoberlandt, 1951**

*Xiphoveloidea chinai* Hoberlandt, 1951a: 12, 17–22, 25, Figs 17–38 (original description, differential diagnosis).

Thirteen paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘VI-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No 880.4 [hw] / coll.A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPES (4 ♀♀ apter.): ‘VI-VII.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No 880.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♂ macr.): ‘Dundo, Lunda / Angola [p] III. 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] 411.7 [hw] / coll. A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♂ macr.): ‘Dundo, Lunda / Angola II-III.48 [hw] / A B Machado lgt [p] // Ang. [p] No 411 [hw] / coll. A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPES (3 ♀♀ macr.): ‘Dundo, Lunda / Angola [p] III. 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] 411.7 [hw] / coll.A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPES (2 ♀♀ macr.): ‘Dundo, Lunda / Angola II-III.48 [hw] / A B Machado lgt [p] // Ang. [p] No 411 [hw] / coll.A.B. Machado [p] // Paratypus [p, red label] // Paratypus [p] / Xiphoveloidea / chinai gen. et / sp. n.f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

**Note.** Collection also includes six slides with various body parts of additional macropterous paratypes, and three slides with body parts of additional apterous paratypes (Slide Box 2).

**Current status.** Valid species (see LINNAVUORI 1977).

***Xiphoveloidea pulchella* Hoberlandt, 1951**

*Xiphoveloidea pulchella* Hoberlandt, 1951a: 22–25, Figs 39–47 (original description, differential diagnosis).

Parts of the holotype are deposited in NMPC:

HOLOTYPE (♂ apter.): Four slides (Slide Box 2), one including antenna, one with fore, middle and hind leg, the two remaining slides including male genitalia, labelled: ‘N. Mus. Praha / č. k. [p] / Heteroptera / Zpr. M.Z. / (880.4) 1950 [hw] / Tshikapa Angola / VI.-VII. 48 lgt. A. Machado [hw, white label with black frame submarginally] // Holotypus [p] / Xiphoveloidea / pulchella / sp. n. / apter. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.  
(Body of the holotype returned to the Dundo Museum, Angola).

**Current status.** Valid species (see DRAKE & HUSSEY 1955).

## Subfamily Perittopinae China &amp; Usinger, 1949

***Perittopus asiaticus* Zettel, 2001**

*Perittopus asiaticus* Zettel, 2001: 110–113, 116, 118, Figs 2, 6, 14–15, 22, 25 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPES (2 ♀♀: 1 ♀ apter., 1 ♀ macr.): ‘Malaysia: Penang Isl. / Penang Hill, Jelang / Waterfall, 560 m, 10.1. / 1996, leg. Schwendinger [p] // ♀ [p] // P a r a t y p u s / Perittopus / asiaticus sp.n. / des. H. Zettel 2000 [p, red label]’.

**Current status.** Valid species (see CHEN et al. 2005, AUKEMA et al. 2013, YE et al. 2013b).

***Perittopus borneensis* Zettel, 2001**

*Perittopus borneensis* Zettel, 2001: 111–116, 118, Figs 1, 12–13, 17, 23, 27 (original description, key).

Three paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ macr.): ‘Malaysia, Sabah, Crocker / Range, Kaningau env., stream near / Liang cave 13.6. 1998 / J. Kodada & F. Čiampor lgt. [p] // ♂ [p] // P a r a t y p u s / Perittopus / borneensis sp.n. / des. H. Zettel 2000 [p, red label]’.

PARATYPE (♂ apter.): ‘Malaysia, Sabah, Batu / Punggul Resort env., 24.VI.- / 1.VII.1995, 11b, shaded stream / 1.5–2.0 m wide, flowing through / dense primary forest [p] // ♂ [p] // P a r a t y p u s / Perittopus / borneensis sp.n. / des. H. Zettel 2000 [p, red label]’.

PARATYPE (♀ apter.): ‘Malaysia, Sabah, Batu / Punggul Resort env., 24.VI.- / 1.VII.1995, 11b, shaded stream / 1.5–2.0 m wide, flowing through / dense primary forest [p] // ♀ [p] // P a r a t y p u s / Perittopus / borneensis sp.n. / des. H. Zettel 2000 [p, red label]’.

**Current status.** Valid species (see CHEN et al. 2005).

## Subfamily Rhagoveliinae China &amp; Usinger, 1949

***Rhagovelia abalienata* Hoberlandt, 1951**

*Rhagovelia abalienata* Hoberlandt, 1951: 5–7, 10–11, Figs 7–15 (original description, keys to males and females).

The holotype and 7 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label] // Holotypus [p] / Rhagovelia / abalienata / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label] // Paratypus [p] / Rhagovelia / abalienata / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

(The specimen is card-mounted; left hind leg, and right middle and hind leg missing. Dissected male genitalia mounted on a microslide on a piece of card attached to the same pin; one middle and one hind leg mounted on two separate slides stored in Slide Box 3).

PARATYPE (♂ apter.): ‘Paratypus [p, red label] // Vohémar / Madagascar [p] // Paratypus [p] / Rhagovelia / abalienata / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Allotypus [p, red label] // Allotypus [p] / Rhagovelia / abalienata / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPES (4 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label] // Paratypus [p] / Rhagovelia / abalienata / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

**Current status.** Valid species.

***Rhagovelia atrispina* J. T. Polhemus, 1977**

*Rhagovelia atrispina* Polhemus, 1977: 645–646 (original description).

Four paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘MEX. ,Mich. / Tacambaro / CL1033; 23-IV-64 / J.T. & M.S. Polhemus [p] // ♂ [p] // PARATYPE / Rhagovelia / atrispina / J.T.Polhemus [p, red label]’.

PARATYPES (2 ♀♀ apter.): ‘MEX. ,Mich. / Tacambaro / CL1033; 23-IV-64 / J.T. & M.S. Polhemus [p] // ♀ [p] // PARATYPE / Rhagovelia / atrispina / J.T.Polhemus [p, red label]’.

**Current status.** Valid species (see POLHEMUS 1997, PADILLA-GIL & MOREIRA 2013).

***Rhagovelia canlaonensis* Zettel, 1996**

*Rhagovelia canlaonensis* Zettel, 1996: 113, 118–120, 130–134, 136, 139, Figs 6, 11, 18, 32, 37, 56, 63 (original description, key).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘PHILIPPINEN: Negros / SE Bacolod, Mambucal / Seven Falls, 15.-16.3. / 900 m, lg. Zettel 1994(39a) [p] // ♂ [p] // P a r a t y p u s / Rhagovelia / canlaonensis sp. n. / des. H. Zettel 1994 [p, red label]’.

PARATYPE (♀ apter.): ‘PHILIPPINEN: Negros / Umg. Canlaon City / Pula, 9.2.1994 / leg. Seyfert & Graindl [p] // 30.11.1992 [p] // ♀ [p] // P a r a t y p u s / Rhagovelia / canlaonensis sp. n. / des. H. Zettel 1994 [p, red label]’.

**Current status.** Valid species (see CHEN et al. 2005).

***Rhagovelia excellentis* Drake & Harris, 1927**

*Rhagovelia excellentis* Drake & Harris, 1927: 134–135 (original description).

Two paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘Dolores, Colo. / Aug. 15, 1925 / C. J. Drake // ♂ [p] // PARATYPE [p] / Rhagovelia / excellentis / Drake + Harris [hw, red label]’.

**Current status.** Junior synonym of *Rhagovelia distincta* Champion, 1898 (see GOULD 1931, SMITH 1988a, POLHEMUS 1997, PADILLA-GIL & MOREIRA 2013).

***Rhagovelia graindli* Zettel, 2012**

*Rhagovelia graindli* Zettel, 2012c: 84, 89, 93–97, Figs 9–11, 32–33, 43 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘PHILIPPINEN: Mindanao / Lanao del Norte, W. Iligan / Tinago Falls, 13.11.1996 / leg. H. Zettel (95) [p] // ♂ [p] // P A R A T Y P U S / Rhagovelia / graindli sp.n. / des. H. Zettel 2012 [p, red label]’.

PARATYPE (♀ apter.): ‘PHILIPPINEN: Mindanao / Lanao del Norte, W. Iligan / Tinago Falls, 13.11.1996 / leg. H. Zettel (95) [p] // ♀ [p] // P A R A T Y P U S / Rhagovelia / graindli sp.n. / des. H. Zettel 2012 [p, red label]’.

**Current status.** Valid species.

***Rhagovelia heissi* Zettel & Bongo, 2006**

*Rhagovelia heissi* Zettel & Bongo, 2006: 737–741, Figs 1–10 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPES (2 ♂♂ apter.): ‘Philippines: Cebu, Boljoon / (Pobl.), river at Lusapon / Bridge, freshwater, 5. 12. / 2005, leg. H. Zettel (437) [p] // ♂ [p] // Paratypus / Rhagovelia / heissi sp.n., des. / Zettel & Bongo 2005 [p, red label]’.

(Both paratypes are mounted on triangular cards and attached to the same pin with two locality labels).

**Current status.** Valid species.

***Rhagovelia hovana* Hoberlandt, 1941**

*Rhagovelia hovana* Hoberlandt, 1941a: 72–73, Figs 7–8 (original description).

The holotype and 8 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // Rhagovelia / hovana n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; both antennae, all legs on the right side, and pygophore dissected, mounted on four separate slides stored in Slide Box 3).

PARATYPES (3 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // Rhagovelia / hovana n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Allotypus [p, red label with black margins] // Rhagovelia / hovana n. sp. ♀ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; left antenna and all middle and hind legs missing. The antenna and one middle and one hind leg mounted on a separate slide stored in Slide Box 3).

PARATYPES (3 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // Rhagovelia / hovana n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♀): ‘Madagascar / Env. de Rogez [p] // Paratypus [p, red label with black margins] // Rhagovelia / hovana n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

**Current status.** Valid species (see HOBERLANDT 1951c, POISSON 1963).

### *Rhagovelia impensa* Bacon, 1956

*Rhagovelia impensa* Bacon, 1956: 817, 827–829, Pl. 6: Fig. 8 (original description, key).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Peru S. A. / Lagunas Villa / Dept. Lima / Je. 8 to Ju. 1-34 [p] // Collected by / F. Woytkowski [p] // P A R A T Y P E / Rhagovelia [p] / impensa [hw] / John A. Bacon [p, blue label] // Rhagovelia / impensa / Bacon [hw] / Det H. B. Hungerford [p, white label with black frame submarginally] // ♂ [p]’.

PARATYPE (♂ apter.): ‘Peru S. A. / Lagunas Villa / Dept. Lima / Je. 8 to Ju. 1-34 [p] // Collected by / F. Woytkowski [p] // ♂ [p] // P A R A T Y P E / Rhagovelia [p] / impensa [hw] / John A. Bacon [p, blue label]’.

**Current status.** Valid species (see POLHEMUS 1997, HECKMAN 2011, PADILLA-GIL & MOREIRA 2013).

### *Rhagovelia inexpectata* Zettel, 2000

*Rhagovelia inexpectata* Zettel, 2000b: 176–178, Figs 1–7 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ macr.): ‘Thailand: Phrae Prov., / 50km NE Phrae, Hua Kaet / Kaet river, 17.-18.11. / 1995, leg. H. Zettel (17b) [p] // ♂ [p] // P a r a t y p u s / Rhagovelia / inexpectata sp.n. / des. H. Zettel 1998 [p, red label]’.

PARATYPE (♀ macr.): ‘Thailand: Phetchabun Prov., / Nam Nao NP, Heo Sai / 25.11.1995 / leg. H. Zettel (24) [p] // ♀ [p] // P a r a t y p u s / Rhagovelia / inexpectata sp.n. / des. H. Zettel 1998 [p, red label]’.

**Current status.** Valid species

### *Rhagovelia madagascariensis* Hoberlandt, 1941

*Rhagovelia madagascariensis* Hoberlandt, 1941a: 71–72, Figs 5–6 (original description).

The holotype and 18 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // Rhagovelia / madagascariensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; antenna and all legs on left side missing. Pygophore dissected, male genitalia mounted on four separate slides deposited in Slide Box 3).

PARATYPES (5 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // Rhagovelia / madagascariensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.



PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Allotypus [p, red label with black margins] // *Rhagovelia / madagascariensis* / n. sp. ♀ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; left antenna and all legs on left side dissected and mounted on a separate slide deposited in Slide Box 3).

PARATYPES (12 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // *Rhagovelia / madagascariensis* / n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

**Note.** Collection also includes seven slides containing various body parts originating from paratypes (Slide Box 3).

**Current status.** Valid species (see HOBERLANDT 1951c, POISSON 1963).

### *Rhagovelia madari* Hoberlandt, 1941

*Rhagovelia madari* Hoberlandt, 1941: 69–70, Figs 3–4, 14 (original description).

The holotype and 3 paratypes are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // *Rhagovelia / madari* n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; left antenna, all legs on left side, and fore and middle tibia and tarsus on right side, and pygophore dissected, mounted on four separate slides deposited in Slide Box 3).

PARATYPES (2 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // *Rhagovelia / madari* n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♂ apter.): ‘Madagascar / Env. de Rogez [p] // Paratypus [p, red label with black margins] // *Rhagovelia / madari* n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

**Current status.** Valid species (see HOBERLANDT 1951c).

### *Rhagovelia mindoroensis* Zettel, 1994

*Rhagovelia mindoroensis* Zettel, 1994: 226–227, 229–230, 232–233, Figs 1–5, 9–10, 13, 15 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘PHILIPPINEN: Mindoro or. / Tamaraw Beach, Talipanan / River, W Puerto Galera / leg. H.ZETTEL (19) [p] // 30.11.1992 [p] // ♂ [p] // P A R A T Y P U S / *Rhagovelia / mindoroensis* sp. n. / des. H.Zettel 1993 [p, red label]’.

PARATYPE (♀ apter.): ‘PHILIPPINEN: Mindoro or. / Tamaraw Beach, Talipanan / River, W Puerto Galera / leg. H.ZETTEL (19) [p] // 30.11.1992 [p] // ♀ [p] // P A R A T Y P U S / *Rhagovelia / mindoroensis* sp. n. / des. H.Zettel 1993 [p, red label]’.

**Current status.** Valid species (see ZETTEL 1996, CHEN et al. 2005).

### *Rhagovelia orba* Hoberlandt, 1941

*Rhagovelia orba* Hoberlandt, 1941a: 71 (original description).

The holotype and one paratype are deposited in NMPC:

HOLOTYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // *Rhagovelia / orba* n. sp. ♀ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; right antenna and all legs on left side dissected, mounted on a separate slide stored in Slide Box 3).

PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // *Rhagovelia / orba* n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

**Current status.** Junior synonym of *Rhagovelia pexa* Hoberlandt, 1941 (see HOBERLANDT 1951c, POLHEMUS & ANDERSEN 2010).

***Rhagovelia ornata* Bacon, 1948**

*Rhagovelia ornata* Bacon, 1948: 80–81, Fig. 9 (original description).

Four paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Bolivia S.A. / Miguelito / May, 1938 / A. M. Olalla [p] // PARATYPE / Rhagovelia / ornata / John A. Bacon [p, blue label] // Rhagovelia / ornata / Bacon [hw] / Det. H. B. Hungerford [p, white label with black frame submarginally] // ♂ [p]’.

PARATYPE (♂ apter.): ‘Bolivia S.A. / Miguelito / May, 1938 / A. M. Olalla [p] // PARATYPE / Rhagovelia / ornata / John A. Bacon [p, blue label] // ♂ [p]’.

PARATYPES (2 ♀♀ apter.): ‘Bolivia S.A. / Miguelito / May, 1938 / A. M. Olalla [p] // PARATYPE / Rhagovelia / ornata / John A. Bacon [p, blue label] // ♀ [p]’.

**Current status.** Valid species (see POLHEMUS 1997, HECKMAN 2011, PADILLA-GIL & MOREIRA 2013).

***Rhagovelia pexa* Hoberlandt, 1941**

*Rhagovelia pexa* Hoberlandt, 1941a: 68–69, Figs 1–2, 13 (original description).

The holotype and six paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; right antenna, middle and hind leg, and pygophore dissected, mounted on four separate slides deposited in Slide Box 3).

PARATYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♂ apter.): ‘Ambania / Madagascar / Mus Praha // Paratypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♂ apter.): ‘Madagascar / Env. de Rogez // Paratypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Allotypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♀ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; left metatibia and metatarsus missing. Right antenna and all legs on right side dissected, mounted on a separate microscopic slide deposited in Slide Box 3).

PARATYPES (2 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // Rhagovelia / pexa n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

**Note.** Collection also includes ten slides with various body parts from paratypes (Slide Box 3).

**Current status.** Valid species (see HOBERLANDT 1951c).

***Rhagovelia reuteri* Hoberlandt, 1951**

*Rhagovelia reuteri* Hoberlandt, 1951c: 2–4, 10–11, Figs 1–6 (original description, keys to males and females).

The holotype and two paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Holotypus [p, red label] // Rogez / Madagascar / Mus. Praha [p] / 800 m [hw] // Holotypus [p] / Rhagovelia / reuteri / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw]’. (The specimen is card-mounted; left fore leg missing; right hind leg and pygophore dissected, mounted on two separate slides deposited in Slide Box 3).

PARATYPE (♀ apter.): ‘Rogez / Madagascar / Mus. Praha [p] / 800 m [hw] // Allotypus [p, red label] // Allotypus [p] / Rhagovelia / reuteri / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw]’.

PARATYPE (♀ apter.): ‘Paratypus [p, red label] // Rogez / Madagascar / Mus. Praha [p] / 800 m [hw] // Paratypus [p] / Rhagovelia / reuteri / sp. n. f. apt. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw]’.

**Current status.** Valid species (see POLHEMUS & ANDERSEN 2010).

***Rhagovelia rigovae* Zettel, 2012**

*Rhagovelia rigovae* Zettel, 2012c: 84, 89, 93, 97–100, Figs 12–14, 34–36, 44–45 (original description).

Two paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘Philippines, Luzon: Lagunas, / Mt. Banahaw above Kinabu- / hayan, 800 m, creek in degraded rainforest, 25.XI. 1995, / J. Kodada & B. Rigová lgt. [p] // ♂ [p] // PARATYPE US / *Rhagovelia / rigovae* sp.n. / des. H. Zettel 2012 [p, red label]’.

PARATYPE (♀ apter.): ‘Philippines, Luzon: Lagunas, / Mt. Banahaw above Kinabu- / hayan, 800 m, creek in degraded rainforest, 25.XI. 1995, / J. Kodada & B. Rigová lgt. [p] // ♀ [p] // PARATYPE US / *Rhagovelia / rigovae* sp.n. / des. H. Zettel 2012 [p, red label]’.

**Current status.** Valid species.

***Rhagovelia tesari* Hoberlandt, 1941**

*Rhagovelia tesari* Hoberlandt, 1941: 73–75, Figs 9–12, 15 (original description).

The holotype and 21 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // *Rhagovelia / tesari* n. sp. ♂ [hw] / L. Hoberlandt det. [p] // ♂♂ [p]’. (The specimen is card-mounted; left mesotibia and tarsus missing. Right antenna and all legs on right side, and pygophore dissected, mounted on four separate slides deposited in Slide Box 3).

PARATYPES (13 ♂♂: 2 ♂♂ apter., 11 ♂♂ macr.): ‘Vohémar / Madagascar [p] // Holotypus [p, red label with black margins] // *Rhagovelia / tesari* n. sp. ♂ [hw] / L. Hoberlandt det. [p] // ♂♂ [p]’.

PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Allotypus [p, red label with black margins] // *Rhagovelia / tesari* n. sp. ♀ [hw] / L. Hoberlandt det. [p] // ♀♀ [p]’.

PARATYPES (7 ♀♀ macr.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black margins] // *Rhagovelia / tesari* n. sp. ♀ [hw] / L. Hoberlandt det. [p]’.

**Note.** Collection also contains eleven slides with various body parts originating from paratypes (Slide Box 3).

**Current status.** Valid species: *Rhagovelia tesari tesari* Hoberlandt, 1941 (see HOBERLANDT 1951c, POLHEMUS & ANDERSEN 2010).

***Rhagovelia tesari flavomarginata* Hoberlandt, 1951**

*Rhagovelia tesari flavomarginata* Hoberlandt, 1951c: 7–11, Figs 16–23 (original description, keys to males and females).

The holotype and 3 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Rogez / Madagascar / Mus Praha [p] / 800 m [hw] // Holotypus [p, red label] // Holotypus [p] / *Rhagovelia / flavomarginata* / sp. n. f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♂ [p]’. (The specimen is card-mounted; right hind leg is missing).

PARATYPES (2 ♂♂ macr.): ‘Rogez / Madagascar / Mus Praha [p] / 800 m [hw] // Paratypus [p, red label] // Paratypus [p] / *Rhagovelia / flavomarginata* / sp. n. f. macr. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’. (Both specimens card-mounted; one of them with left hemelytron, all legs on right side, and pygophore dissected, mounted on two separate slides deposited in Slide Box 3).

PARATYPE (♀ macr.): ‘Rogez / Madagascar / Mus Praha [p] / 800 m [hw] // Allotypus [p, red label] // Allotypus [p] / *Rhagovelia / flavomarginata* / sp. n. f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // ♀♀ [p]’.

**Current status.** Valid subspecies (see POISSON 1963).

***Rhagovelia trepida* Bacon, 1948**

*Rhagovelia trepida* Bacon, 1948: 84–85, Fig. 4 (original description).

Four paratypes are deposited in NMPC:

PARATYPES (3 ♂♂ apter.): ‘Sao Paulo Braz. [p] / XI. II. [hw] 193[p]5 [hw] / Nat. Sci Mus. / Via A. M. Olalla // P A R A T Y P E / Rhagovelia / trepida / John A. Bacon [p, blue label] // ♂ [p]’.

PARATYPE (♀ apter.): ‘Sao Paulo Braz. [p] / XI. II. [hw] 193[p]5 [hw] / Nat. Sci Mus. / Via A. M. Olalla // P A R A T Y P E / Rhagovelia / trepida / John A. Bacon [p, blue label] // Rhagovelia / trepida / Bacon [hw] / Det H B Hungerford [p, white label with black frame submarginally] // ♀ [p]’.

**Current status.** Valid species (see POLHEMUS 1997, HECKMAN 2011, MOREIRA et al. 2011, PADILLA-GIL & MOREIRA 2013).

## Subfamily Veliinae Brullé, 1836

***Angilia (Angilia) aeterna* Hoberlandt, 1946**

*Angilia (Angilia) aeterna* Hoberlandt, 1946: 55–58, Figs 1a–b, 2a–e (original description).

Four paratypes are deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Maradi, Nigérie / Saha[r]a mer. / X 1936, Škulina [p] // Holotypus [p, red label] // *Angilia / aeterna* n. sp. / ♂ [hw] / L. Hoberlandt det. [p]’ (Holotype card-mounted; left antennal segments II–IV, protarsus, middle leg, metatarsus and hemelytron, and right antennal segments III–IV, apical protarsomeres, middle and hind leg, and pygophore dissected, mounted on six separate slides stored in Slide Box 2).

**Current status.** Valid species (see LINNAVUORI 1971).

***Paravelia bullialata* J. T. Polhemus & D. A. Polhemus, 1984**

*Paravelia bullialata* Polhemus & Polhemus, 1984: 342–343, 348–349, Figs 4, 5a (original description).

Four paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ macr.): ‘SURINAME / N. Nieser [p] // 1st Trib. Colakreek / 8-IX-’69 SN[p] 118 A [hw] / 55°14’ 5°27’ [p] // PARATYPE / Paravelia / bullialata / J. & D. Polhemus [p, pink label] // ♂ [p]’.

PARATYPES (2 ♀♀ macr.): ‘SURINAME / N. Nieser [p] // 1st Trib. Colakreek / 8-IX-’69 SN[p] 118 A [hw] / 55°14’ 5°27’ [p] // PARATYPE / Paravelia / bullialata / J. & D. Polhemus [p, pink label] // ♀ [p]’.

**Current status.** Valid species (see HECKMAN 2011, MOREIRA et al. 2011).

***Velia filippii anatolica* Tamanini, 1951**

*Velia filippii anatolica* Tamanini, 1951a: 1–3, Figs B, D–F, L, N–Q (original description).

The holotype and 93 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Büricek, Toros / Anat. 29-31 7 47 / Exp. N Mus. ČSR. [p] // *V. anatolica* / holot. - / Toros 29. VII. 47. [hw, card with attached microslides containing dissected male genitalia] // Holotypus [p] / *Velia Filippii*. T. / subsp. anatolica / n. subsp. [hw] / DET- L. TAMANINI 19 [p, red label] // Mus. Nat. Pragae / Inv [p] 1216 [hw, orange label]’.

PARATYPE (♂): ‘Büricek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // PARATYPUS [p] / *Velia Filippii*. T. / sbsp. / anatolica / n. sbps. ♂ [hw] / DET- L. TAMANINI 19 [p, red label] // Mus. Nat. Pragae / Inv [p] 1220 [hw, orange label]’.

- PARATYPES (31 ♂♂ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // Paratypus [p, red label] // Mus. Nat. Pragae / Inv [p] 1217, 1218, 1219, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248 [respectively; hw, orange label] // ♂ [p] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPES (29 ♂♂ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // Paratypus [p] ♂ [hw, red label] // Mus. Nat. Pragae / Inv [p] 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277 [respectively; hw, orange label] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♂ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // Mus. Nat. Pragae / Inv [p] 1278 [hw, orange label] // ♂ [p] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPES (10 ♂♂ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // ♂ [p] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♂ macr.): ‘Sultan dağ [hw] / Anat. [p] 4.IX.47 2000 m [hw] / Exp. N. Mus. ČSR. [p] // *Velia* [hw] / 19[p]48 *nervosa* Horv. [hw] / L. Hoberlandt det. [p] ♂ [hw] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♀ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // Allotypus [p] / *Velia filippii* / T. / subsp. *anatolica* / nov. subsp. [hw] / DET- L. TAMANINI 19 [p, red label] // Mus. Nat. Pragae / Inv [p] 1279 [hw, orange label]’.
- PARATYPE (♀ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // PARATYPUS [p] / *Velia filippii*. T. / subsp. *anatolica* / n. subsp. ♀ [hw] / DET- L. TAMANINI 19 [p, red label] // Mus. Nat. Pragae / Inv [p] 1280 [hw, orange label]’.
- PARATYPES (13 ♀♀ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // Paratypus [p] ♀ [hw, red label] // Mus. Nat. Pragae / Inv [p] 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293 [respectively; hw, orange label] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPES (2 ♀♀ macr.): ‘Bürücek, Toros / Anat. 29-31 7. 47 / Exp. N. Mus. ČSR. [p] // *Velia* [hw] / 19[p]48 *nervosa* Horv. [hw] / L. Hoberlandt det. [p] ♀ [hw] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♀ macr.): ‘Sultan dağ [hw] / Anat. [p] 4.IX.47 2000 m [hw] / Exp. N. Mus. ČSR. [p] // *Velia* [hw] / 19[p]48 *nervosa* Horv. [hw] / L. Hoberlandt det. [p] ♀ [hw] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♀ macr.): ‘Sultan dağ [hw] / Anat. [p] 4.IX.47 2000 m [hw] / Exp. N. Mus. ČSR. [p] // ♀ [p] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.
- PARATYPE (♀ macr.): ‘Sultan dağ, 2000 m [hw] / Anat. [p] 4.IX.47 [hw] / Exp. N. Mus. ČSR. [p] // ♀ [p] // PARATYPUS / *VELIA* / *FILIPPII ANATOLICA* / Tamanini, 1951 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Velia (Plesiovelia) affinis affinis* Kolenati, 1857 (see TAMANINI 1952, 1953; ANDERSEN 1995a).

### *Velia affinis* var. *obscura* Tamanini, 1953

*Velia affinis* var. *obscura* Tamanini, 1953: 140–141 (original description).

Three paratypes are deposited in NMPC:

- PARATYPE (♂ macr.): ‘Jerusalem, Palestine [hw, pencil, illegible] // ♂ [p] // Paratypus [p] / *Velia affinis* / Kol. / f. *obscura* f.n. [hw] / DET. L. TAMANINI 195[p]3 [hw, red label]’.
- PARATYPE (♀ apter.): ‘Jerusalem / Palestine [p in blue] 26/II. [hw] / Houška 94[p in blue]6 [hw] // *Velia* [hw] 19[p]51 *filippii* Tam [hw] / L. Hoberlandt det. [p] ♀ [hw] // Paratypus [p] / *Velia affinis* / f. *obscura* f. n. [hw] / DET. L.

TAMANINI 195[p] 3 [hw, red label]’.

PARATYPE (♀ apter.): ‘Jerusalem / Palestine [p in blue] 26/II. [hw] / Houška 94[p in blue]6 [hw] // Paratypus [p] / *Velia affinis* Kol. / f. obscura f. n. [hw] / DET. L. TAMANINI 195[p] 3 [hw, red label]’.

**Current status.** As the name was intentionally proposed merely for the dark coloured variety (TAMANINI 1953) it is an unavailable name according to ICZN (1999) (see ANDERSEN 1995a).

### *Velia gridellii* Tamanini, 1947

*Velia gridellii* Tamanini, 1947: 23, 25, 28, 30–31, 35, 41, 52, 54–56, Figs 33–34, 75–78, 100 (original description, key).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘TRENTINO / Val Lagarina [p] / Bordala 8.9.46 [hw] // *Velia* ♂ / *Gridellii* Tam. [hw] / paratypus [hw, red ink] / Det. Tamanini L. [hw]’.

PARATYPE (♀ apter.): ‘TRENTINO / Val Lagarina [p] / Bordala 8.9.46 [hw] // *Velia* ♀ / *Gridellii* Tam. [hw] / paratypus [hw, red ink] / Det. Tamanini L. [hw]’.

**Current status.** Valid species: *Velia (Plesiovelia) gridellii* Tamanini, 1947 (see ANDERSEN 1995a).

### *Velia hoberlandti* Tamanini, 1951

*Velia hoberlandti* Tamanini, 1951b: 5–10, Figs 2E–I, 3A–C, 4I–N (original description).

The holotype and three paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Is. Baleares [hw] / Palma. [p] // *Velia* / *Hoberlandti* / Palma. ♂ [hw; card with attached microslides] // Coll. L. Salvator [p] // Holotypus [p] / *Velia* ♂ / *Hoberlandti* / n. sp. [hw] / DET- L. TAMANINI 19[p]49 [hw, red label]’. (The specimen is card-mounted, right middle leg missing; genitalia dissected, mounted on microslides attached to the same pin).

PARATYPE (♀ macr.): ‘Is. Baleares [hw] / Alfabia. [p] // Coll. L. Salvator [p] // Allotypus [p] / *Velia* ♀ / *Hoberlandti* / n. sp. [hw] / DET- L. TAMANINI 19[p]49 [hw, red label]’.

PARATYPE (♀ macr.): ‘Is. Baleares [hw] / Inea. [p] // Coll. L. Salvator [p] // PARATYPUS [p] / *Velia* ♀ / *Hoberlandti* / n. sp. [hw] / DET- L. TAMANINI [p] 49 [hw, red label]’.

PARATYPE (♀ apter.): ‘Is. Baleares [hw] / Es Prat / de S. Jordi. [p] // Coll. L. Salvator [p] // PARATYPUS [p] / *Velia* ♀ / *Hoberlandti* / n. sp. [hw] / DET- L. TAMANINI [p] 49 [hw, red label]’.

**Current status.** Valid species: *Velia (Plesiovelia) hoberlandti* Tamanini, 1951 (see ANDERSEN 1995a).

### *Velia mancinii* Tamanini, 1947

*Velia mancinii* Tamanini, 1947: 25, 27–28, 30–31, 53, 57, 63, 66–69, Figs 47–49, 107–108, 113–114, 133, 136 (original description, key).

The holotype and three paratypes (including the allotype) are deposited in NMPC:

PARATYPE (♀): ‘Kresnensko def. / 24. 6. 38 Bulg. Maced. / Igt. L. Hoberlandt. [p] // Collectio / L. Hoberlandt [p] // *Velia* [hw] / 19[p]41 rivulorum Fab. / apt. [hw] / L. Hoberlandt det. [p] ♀ [hw] // *Velia* ♀ / *Mancinii* [hw] / paratypus. [hw, red ink] Tam. [hw] / DET. TAMANINI L. [p] // Mus. Nat. Pragae / Inv. [p] 1215 [hw, orange label]’.

**Current status.** Valid species: *Velia (Plesiovelia) mancinii mancinii* Tamanini, 1947 (see TAMANINI 1955, ANDERSEN 1995a, KANYUKOVA 2006).

***Velia noualhierii* Puton, 1889**

*Velia noualhierii* Puton, 1889: 307–308 (original description).

One syntype is deposited in NMPC:

SYNTYPE (♂ apter.): ‘La Chiffah / Algérie [p, blue label with black frame submarginally] // M. Noualhier. [p] // ♂ [p] // *Velia* / Noualhierii / Put. [hw] // SYNTYPUS / *VELIA* / *NOUALHIERII* / Puton, 1889 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species: *Velia (Plesiovelia) noualhierii noualhierii* Puton, 1889 (see TAMANINI 1968, ANDERSEN 1995a).

***Velia obenbergeri* Hoberlandt, 1941**

*Velia obenbergeri* Hoberlandt, 1941b: 162–163, Figs 6, 19–20 (original description).

The holotype and 10 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Insula / Gaudos [p] // 15. V. 1938 / Táborský [hw] // Holotypus [p, red label with black margins] // *Velia* [hw] / 19[p]41 / obenbergeri n sp. [hw] / L. Hoberlandt det. [p] ♂ [hw]’. (The specimen is card-mounted; right antenna, all legs on right side, and pygophore dissected, mounted on two separate slides in Slide Box 4).

PARATYPES (3 ♂♂ apter.): ‘Insula / Gaudos [p] // 15. V. 1938 / Táborský [hw] // Paratypus [p, red label with black margins] // *Velia* [hw] / 19[p]41 / obenbergeri n sp. [hw] / L. Hoberlandt det. [p] ♂ [hw]’.

PARATYPE (♂ apter.): ‘Insula / Gaudos [p] // 15. V. 1938 / Dr. K. Táborský [hw] // Paratypus [p, red label with black margins] // Collectio / L. Hoberlandt [p] // *Velia* [hw] / 19[p]41 / obenbergeri n sp. ♂ [hw] / L. Hoberlandt det. [p]’.

PARATYPE (♀ apter.): ‘Insula / Gaudos [p] // 15. V. 1938 / Táborský [hw] // Allotypus [p, red label with black margins] // *Velia* [hw] / 19[p]41 / obenbergeri n sp. [hw] / L. Hoberlandt det. [p] ♀ [hw]’.

PARATYPES (5 ♀♀ apter.): ‘Insula / Gaudos [p] // 15. V. 1938 / Táborský [hw] // Paratypus [p, red label with black margins] // *Velia* [hw] / 19[p]41 / obenbergeri n sp. [hw] / L. Hoberlandt det. [p] ♀ [hw]’.

**Note.** Collection also includes seven additional slides containing various body parts originating from paratypes, and one slide containing head with antennae, and one fore, middle and hind leg, indicated as originating from the holotype, evidently by mistake; the slides are deposited in Slide Box 4.

**Current status.** Junior synonym of *Velia (Plesiovelia) rhadamantha rhadamantha* Hoberlandt, 1941 (see TAMANINI 1947, ANDERSEN 1995a).

***Velia obenbergeri cresia* Hoberlandt, 1941**

*Velia obenbergeri cresia* Hoberlandt, 1941b: 163 (original description).

The holotype is deposited in NMPC:

HOLOTYPE (♀ apter.): ‘Knossos, Creta / Mařan et Štěp. / 1934 Coll. Bartoň [p] // Holotypus [p, red label with black margins] // *Velia* [hw] 19[p]41 obenbergeri / cresia n. ♀ [hw] / L. Hoberlandt det. [p] // *Velia* [hw] ♀ [hw, red ink] / rhadamantha [hw] / immatura [hw, i in black ink, rest in red ink] Hoberl. [hw] / DET. TAMANINI L. [p]’. (The specimen is card-mounted, immature; left mesotibia, mesotarsus and hind leg, and apical segments of both antennae missing).

**Current status.** Junior synonym of *Velia (Plesiovelia) rhadamantha rhadamantha* Hoberlandt, 1941 (see TAMANINI 1947, ANDERSEN 1995a).

***Velia pelagonensis* Hoberlandt, 1941**

*Velia pelagonensis* Hoberlandt, 1941b: 163–164, Figs 7, 21–23 (original description).

The holotype and one paratype is deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Kresnensko def. / 26. 6. 38 Bulg. Maced. / lgt. L. Hoberlandt. [p] // Collectio / L. Hoberlandt [p] // Holotypus [p, red label with black margins] // Velia [hw] / 19[p]41 pelagonensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (The specimen is card-mounted; right antenna, all legs on right side, and pygophore dissected, mounted on four separate slides deposited in Slide Box 4).

PARATYPE (♂ apter.): ‘Issari, Pelopon. / Mařan et Štěp. / 1935 Coll. Bartoň [p] // Paratypus [p, red label with black margins] // Velia / pelagonensis n. sp. / ♂ [hw] / L. Hoberlandt det. [p]’.

**Current status.** Valid species: *Velia (Plesiovelia) pelagonensis* Hoberlandt, 1941 (see ANDERSEN 1995a).

***Velia pueblana* Drake, 1951**

*Velia pueblana* Drake, 1951c: 376–378 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Tampico, Mexico / July 16, 1950 / Drake & Hottes [p] // PARATYPE / By C. J. Drake [p] / Velia / bueblana [sic!] / Drake [hw, red label] // ♂ [p]’.

PARATYPE (♀ apter.): ‘Valles, Mexico / July 17, 1950 / Drake & Hottes [p] // PARATYPE / By C. J. Drake [p] / Velia / pueblana / Drake [hw, red label] // ♀ [p] // Velia / pueblana / Drake [hw, white label with black frame submarginally]’.

**Current status.** Valid species: *Stridulivelia (Aenictovelina) pueblana* (Drake, 1951) (DRAKE & MENKE 1962; POLHEMUS 1976, 1979).

***Velia rhadamantha* Hoberlandt, 1941**

*Velia rhadamantha* Hoberlandt, 1941b: 160–162, Figs 4–5, 16–18 (original description).

The holotype and 7 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ macr.): ‘Knossos, Creta / Mařan et Štěp. / 1934. Coll Bartoň [p] // Holotypus [p, red label with black margins] // Velia [hw] / 19[p]41 rhadamantha / n. sp. ♂ [hw] / L. Hoberlandt det. [p]’ (see Figs 1–2).

PARATYPE (♂ macr.): ‘Knossos, Creta / Mařan et Štěp. / 1934. Coll Bartoň [p] // Paratypus [p, red label with black margins] // Velia [hw] / 19[p]41 rhadamantha / n. sp. ♂ [hw] / L. Hoberlandt det. [p]’. (Male genitalia dissected, glued on a separate piece of card attached to the same pin).

PARATYPE (♂ macr.): ‘Nida - Ida montes / Creta, V, 1934 / Coll Bartoň [p] // Paratypus [p, red label with upper and bottom margins black] // Velia [hw] / 19[p]41 rhadamantha / n. sp. [hw] / L. Hoberlandt det. [p] ♂ [hw]’. (The specimen is card-mounted, left antenna, all legs on left side, and pygophore are dissected, mounted in three separate slides stored in Slide Box 4).

PARATYPE (♀ macr.): ‘Knossos, Creta / Mařan et Štěp. / 1934 Coll Bartoň [p] // Allotypus [p, red label with black margins] // Velia [hw] / 19[p]41 rhadamantha / L. Hoberlandt det. [p] / n. sp. ♀ [hw]’.

PARATYPE (♀ macr.): ‘Knossos, Creta / Mařan et Štěp. / 1934. Coll Bartoň [p] // Paratypus [p, red label with black margins] // Collectio / L. Hoberlandt [p] // Velia [hw] / 19[p]41 rhadamantha / n. sp. [hw] / L. Hoberlandt det. [p] ♀ [hw]’.

PARATYPES (3 ♀♀ macr.): ‘Knossos, Creta / Mařan et Štěp. / 1934. Coll Bartoň [p] // Paratypus [p, red label with black margins] // Velia [hw] / 19[p]41 rhadamantha / n. sp. [hw] / L. Hoberlandt det. [p] ♀ [hw]’.

**Note.** Collection also includes three separate slides containing head with antennae, all legs and male genitalia, originally indicated as originating from the holotype, clearly in mistake (Slide Box 4).



**Current status.** Valid species: *Velia (Plesiovelia) rhadamantha rhadamantha* Hoberlandt, 1941 (see TAMANINI 1947, 1965; ANDERSEN 1995a).

**Remark.** The status of the single male paratype from Nida-Ida Mts. is controversial. HOBERLANDT (1941b) did not explicitly mention the specimen as paratype in the original description, as he did in case of paratypes from Knossos. However, the original labels of the specimen and the slides of its dissected body parts clearly state Hoberlandt's intention to include it as paratype, and absence of the statement is merely an omission in the original text.

### *Velia saulii* var. *serbica* Tamanini, 1951

*Velia saulii* Tam. var. *serbica* Tamanini, 1951b: 2–3, Figs 1A–B (original description).

The holotype is deposited in NMPC:

HOLOTYPE (♀ apter.): 'Peristeri / Serbia mer. / Dr. Purkyně [p] // Holotypus [p] / *Velia* ♀ / *Saulii* Tam. / v. *serbica* / nov. var. [hw] / DET- L. TAMANINI 19[p]49 [hw, red label].

**Current status.** Valid species: *Velia (Plesiovelia) serbica* Tamanini, 1951; upgraded to subspecies rank by TAMANINI (1955, 1959) and to species rank by TAMANINI (1970) (see also ANDERSEN 1995a).

### *Velia tersa* Drake & Harris, 1941

*Velia tersa* Drake & Harris, 1941: 338–339 (original description).

Three paratypes are deposited in NMPC:

PARATYPE (♂ apter.): 'Trinidad. B. W. I. / Oct. 27-29, 1938 / Carl J. Drake [p] // ♂ [p] // PARATYPE [p] / *Velia* / *tersa* / D & H [hw, red label]'.

PARATYPES (2 ♀♀ apter.): 'Trinidad. B. W. I. / Oct. 27-29, 1938 / Carl J. Drake [p] // ♀ [p] // PARATYPE [p] / *Velia* / *tersa* / D & H [hw, red label]'.

**Current status.** Valid species: *Stridulivelia (Stridulivelia) tersa* (Drake & Harris, 1941) (see DRAKE & MENKE 1962; POLHEMUS 1976, 1979; POLHEMUS & SPANGLER 1995; HECKMAN 2011; MOREIRA et al. 2011).

## Family GERRIDAE Leach, 1815

Subfamily Charmatometrinae Matsuda, 1960

### *Brachymetra anduze* Drake & Harris, 1942

*Brachymetra anduze* Drake & Harris, 1942: 95–96 (original description); RUHOFF (1968): 30 (list of taxa described by Drake); ARISTIZÁBAL (2002): 127, 136 (diagnosis).

*Brachymetra anduzei* (incorrect subsequent spelling): HARRIS & DRAKE (1945): 212 (list); DRAKE & ROZE (1954): 227 (distribution); DRAKE (1957): 128 (differential diagnosis).

*Brachymetra anduzei* (incorrect subsequent spelling): MATSUDA (1960): 236–237, 240, 524–525, Fig. 538 (morphology, variability); HECKMAN (2011): 132 (key).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): 'Los Lechozos [hw] D. F. [p] / Venezuela [p] 3-13-38 [hw] / G. Vivas Berthier [p] // ♂ [p] // *Brachymetra* / *anduzei* [hw] / PARATYPE [p, red label]'. (Male genitalia dissected, glued on a separate triangular piece of card attached to the same pin).

**Current status.** Valid species (see ARISTIZÁBAL 2002, HECKMAN 2011).

**Remark.** DRAKE & HARRIS (1942) dedicated the newly described species to Dr. Pablo J. Anduze, mentioning the name three times as *Brachymetra anduze*, which is therefore the only original spelling. The species epithet, *anduze*, thus represents a noun in apposition, which contradicts the Recommendation 31A of the ICZN (1999) which however does not make the name unavailable. Subsequently, only RUHOFF (1968) and ARISTIZÁBAL (2002) listed the name as *B. anduze*. HARRIS & DRAKE (1945), DRAKE & ROZE (1954), and DRAKE (1957) listed the name as *B. anduzeei*, while MATSUDA (1960) and HECKMAN (2011) used the name as *B. anduzei*, but neither of them commented on the change of the spelling or mentioned the original spelling at all so their actions cannot be regarded as emendations. As an incorrect transliteration or latinization of the name are not considered inadvertent errors by ICZN (1999: 32.5.1), *Brachymetra anduze* must be accepted as the correct original spelling, *B. anduzeei* and *B. anduzei* being incorrect subsequent spellings.

Subfamily Eotrechinae Matsuda, 1960

*Amemboa (Amemboa) aquafrigida* Zettel & Chen, 1997

*Amemboa (Amemboa) aquafrigida* Zettel & Chen, 1997: 94–97, 100, Figs 2, 5–6, 9 (original description).

Four paratypes are deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♂ apter.): ‘Thailand: Petchabun / Nam Nao NP, Prom Laeng / 22.III.1994 / leg. W.D.Shepard (1040) [p] // ♂ [p] // P a r a t y p u s / Amemboa (s.str.) / aquafrigida sp.n. / des. Zettel & Chen 1996 [p, red label]’.

PARATYPE (♂ apter.): ‘Thailand: Phetchabun Prov. / Nam Nao NP, Huai Phrom / Laeng. 24.11.1995 / leg. H. Zettel (22) [p] // ♂ [p] // P a r a t y p u s / Amemboa (s.str.) / aquafrigida sp.n. / des. Zettel & Chen 1996 [p, red label]’.

PARATYPE (♀ apter.): ‘Thailand: Phetchabun Prov. / Nam Nao NP, Huai Phrom / Laeng. 24.11.1995 / leg. H. Zettel (22) [p] // ♀ [p] // P a r a t y p u s / Amemboa (s.str.) / aquafrigida sp.n. / des. Zettel & Chen 1996 [p, red label]’.

PARATYPE (♀ apter.): ‘Thailand: Petchabun / Nam Nao NP, Huai Ya / Krue, 14.III.1994 / leg. W.D.Shepard (1039) [p] // ♀ [p] // P a r a t y p u s / Amemboa (s.str.) / aquafrigida sp.n. / des. Zettel & Chen 1996 [p, red label]’.

**Current status.** Valid species.

Subfamily Gerrinae Leach, 1815

Tribe Gerrini Leach, 1815

*Gerris (Gerris) caucasicus* Kanyukova, 1982

*Gerris (Gerris) caucasicus* Kanyukova, 1982: 66, 72, 74, 88–90, 92, Figs 29, 82–85 (original description, key).

Two paratypes are deposited in NMPC:

PARATYPE (♂ macr.): ‘Кумбаши, морце / Ленкоран. у. [p] 23.IV.[hw] / *Кириченко* 909 [p] [= Kumbashi, mortse, Lenkoran. u., Kiritschenko, 23.iv.1909] // Paratypus [p, red label] // *Gerris / caucasicus* Kan. / Kanyukova det. [hw] // ♂ [p] // PARATYPUS / *GERRIS / CAUCASICUS* / Kanyukova, 1982, labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ macr.): ‘Кумбаши, морце / Ленкоран. у. / *Кириченко* [p] 23.IV.[hw] 909 [p] [= Kumbashi, mortse, Lenkoran. u., Kiritschenko, 23.iv.1909] // Paratypus [p, red label] ♀ [p] // PARATYPUS / *GERRIS / CAUCASICUS* / Kanyukova, 1982, labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species (see ANDERSEN 1994, 1995a,b; KANYUKOVA 2006; FENT et al. 2011; AUKEMA et al. 2013; DAMGAARD et al. in press).

***Gerris (Gerris) comatus* Drake & Hottes, 1925**

*Gerris (Gerris) comatus* Drake & Hottes, 1925: 48–49 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ macr.): ‘Ames. Iowa [p] / X-18 [hw] 192[p]4 [hw] / C. [p] J. [hw] Drake [p] // H G Barber / Colln 1950 [p] // PARATYPE [p] / *Gerris / comatus* / D + H [hw, red label] // *Gerris / comatus* / D. & H. [hw, white label with black frame submarginally] // ♂ [p]’.

**Current status.** Valid species: *Gerris (Gerris) comatus* Drake & Hottes, 1925 (see SMITH 1988b; ANDERSEN 1994, 1995b; DAMGAARD et al. in press).

***Gerris dissortis* Drake & Harris, 1930**

*Gerris dissortis* Drake & Harris, 1930: 145–146 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ macr.): ‘Jack River [hw] Ont. [p] / 21. v. [hw] 1927 / G. S. Walley [p] // PARATYPE [p] / *Gerris / dissortis* / D. & H. [hw, red label] // ♂ [p]’.

**Current status.** Valid species: *Limnoporus dissortis* (Drake & Harris, 1930) (see SMITH 1988b, ANDERSEN & SPENCE 1992, ANDERSEN 1995b, DAMGAARD et al. in press).

***Gerris kiritshenkoi* Kanyukova, 1979**

*Gerris kiritshenkoi* Kanyukova, 1979: 51–53, Figs 1–9 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Алексеевка Лен- / кор. р-н, Талыш [p] / 13 [hw] / *Вельтищев* [p] IX [hw] 938 [p] [= Alekseevka Lenkor. r-n, Talysh, 13.xi.1938, Vel'tishchev lgt.] // Г. Насияку. [hw] [= G. Nasiyaku.] // ♂ [p] // Paratypus [p] *Gerris (G.) / kiritshenkoi / Kanyukova E.* [hw, red label]’.

PARATYPE (♀ apter.): ‘Алексеевка Лен- / кор. р-н, Талыш [p] / 13 [hw] / *Вельтищев* [p] IX [hw] 938 [p] [= Alekseevka Lenkor. r-n, Talysh, 13.xi.1938, Vel'tishchev lgt.] // Г. Насияку. [hw] [= G. Nasiyaku.] // ♀ [p] // Paratypus [p] *Gerris (G.) / kiritshenkoi / Kanyukova E.* [hw, red label]’.

**Current status.** Valid species: *Gerris (Gerriselloides) kiritshenkoi* Kanyukova, 1979 (see ANDERSEN 1994, 1995a,b; KANYUKOVA 2006; DAMGAARD et al. in press).

***Gerris paludum palmonii* Wagner, 1954**

*Gerris paludum palmonii* Wagner, 1954: 205–207, Figs 1–3 (upper row), 4, 6, 8, 10, 13 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ brach.): ‘Tabgha 24.8.42 / (Genezareth Sea) [hw] / Palestina / J. Houška lg. [p] // *Gerris (Aquarius) / paludum* Fab. [hw] / L. Hoberlandt det. [p] ♂ [hw] // PARATYPOID [p] / *G. paludum / palmonii* n. sbsp. [hw] / F. Wagner det. [p, pink label]’.

PARATYPE (♀ brach.): ‘Tabgha 24.8.42 / (Genezareth sea) [hw] / Palestina / J. Houška lg. [p] // *Gerris (Aquarius) / paludum* Fab. [hw] / L. Hoberlandt det. [p] ♀ [hw] // PARATYPOID [p] / *G. paludum / palmonii* n. sbsp. [hw] / F. Wagner det. [p, pink label]’.

**Current status.** Junior synonym of *Aquarius paludum paludum* (Fabricius, 1794) (see POISSON 1965b; KANYUKOVA 1982; ANDERSEN 1990, 1995a,b; DAMGAARD et al. in press).

***Limnogonus (Limnogonus) buxtoni fijiensis* Andersen, 1975**

*Limnogonus (Limnogonus) buxtoni fijiensis* Andersen, 1975: 29–30, 38, 49, 56–59, Figs 128–129, 164–165, 167, 178–179 (original description, key).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Vitilevu / Fiji [p] // Vatuthere, Nr. / Nandarivatu [p] / IX.8-38 2200' [hw] // Stream [p] // ECZimmerman / Collector [p] // ♂ [hw, yellow label] // PARATYPE / *Limnogonus / buxtoni* Esaki ssp. / *fijiensis* Andersen [p] / ♂ [hw] 19[p]70[hw] / Det. N. Møller Andersen [p]’.

**Current status.** Valid subspecies (see ANDERSEN 1995b, DAMGAARD et al. in press).

***Limnogonus (Limnogonus) hungerfordi* Andersen, 1975**

*Limnogonus (Limnogonus) hungerfordi* Andersen, 1975: 28–30, 44–47, Figs 115, 120–122 (original description, key).

One paratype is deposited in NMPC:

PARATYPE (♂ mact.): ‘E.DUTCH NEW GUINEA: / Jutefa Bay.Pim. / Sealevel-100 ft. ii.1936. / L.E.Cheesman. / B.M.1936-271. [p] // PARATYPE / *Limnogonus / hungerfordi* Andersen [p] / ♂ [hw] 19[p]70[hw] / Det. N. Møller Andersen [p]’.

**Current status.** Valid species (see ANDERSEN 1995b, ANDERSEN & WEIR 2004, CHEN et al. 2005, DAMGAARD et al. in press).

***Tenagogonus madagascariensis* Hoberlandt, 1947**

*Tenagogonus madagascariensis* Hoberlandt, 1947: 105–112, 3 unpaginated plates with 14 figures without consecutive numbering (original description).

The holotype and 73 paratypes (including the allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Madagascar / Inv, č, [p] // Holotypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* n. sp. [hw, blue ink] / L. Hoberlandt det. [p] ♂ [hw, blue ink] // Mus. Nat. Pragae / Inv. [p] 1322 [hw, orange label]’.

PARATYPES (2 ♂♂ apter.): ‘Madagascar / Inv, č, [p] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw, blue ink] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1324, 1347 [respectively; hw, orange label]’.

PARATYPES (6 ♂♂ apter.): ‘Madagascar / Inv, č, [p] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw] / L. Hoberlandt det. [p] / 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1327, 1328, 1331, 1334, 1338, 1339 [respectively; hw, orange label]’.

PARATYPE (♂ apter.): ‘Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw] / L. Hoberlandt det. [p] / 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1332 [hw, orange label]’.

PARATYPE (♂ apter.): ‘Madagascar / Inv, č, [p] Vohémar [hw] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1346 [hw, orange label]’.

PARATYPES (4 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1325, 1343, 1344, 1345 [respectively; hw, orange label]’.

PARATYPES (4 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // *Tenagogonus / madagascariensis* / n. sp. ♂ [hw] / L. Hoberlandt det. [p] 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1323, 1326, 1335, 1340, [respectively; hw, orange label]’.

- PARATYPES (4 ♂♂ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p] / 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1330, 1333, 1336, 1337 [respectively; hw, orange label]’.
- PARATYPES (6 ♂♂ apter.): ‘Ambanja / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p] 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1348, 1349, 1350, 1351, 1353, 1354 [respectively; hw, orange label]’.
- PARATYPE (♂ apter.): ‘Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♂ [hw] / L. Hoberlandt det. [p] 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1342 [hw, orange label]’. (Male genitalia dissected, mounted on two pointed pieces of card attached to the same pin).
- PARATYPE (♀ apter.): ‘Madagascar / Inv, č, [p] // Allotypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. [hw] / L. Hoberlandt det. [p] ♀ [hw] // Mus. Nat. Pragae / Inv. [p] 1356 [hw, orange label]’.
- PARATYPES (4 ♀♀ apter.): ‘Madagascar / Inv, č, [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1357, 1360, 1361, 1396 [respectively; hw, orange label]’.
- PARATYPES (11 ♀♀ apter.): ‘Madagascar / Inv, č, [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] / 46 [hw] // Mus. Nat. Pragae / Inv. [p] 1358, 1359, 1362, 1364, 1365, 1366, 1367, 1369, 1372, 1375, 1399 [respectively; hw, orange label]’.
- PARATYPES (3 ♀♀ apter.): ‘Madagascar / Inv. č, [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagasca- [hw] / 19[p]46 [hw] / riensis n. sp. ♀ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1381, 1385, 1386 [respectively; hw, orange label]’.
- PARATYPE (♀ apter.): ‘Madagascar / Muš [sic!] Pragense [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] / 46 [hw] // Mus. Nat. Pragae / Inv. [p] 1363 [hw, orange label]’.
- PARATYPES (9 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] / 46 [hw] // Mus. Nat. Pragae / Inv. [p] 1368, 1370, 1371, 1374, 1376, 1377, 1378, 1379, 1383 [respectively; hw, orange label]’.
- PARATYPES (9 ♀♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagasca- [hw] / 19[p]46 [hw] / riensis n. sp. ♀ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1380, 1382, 1387, 1388, 1389, 1390, 1391, 1392, 1393 [respectively; hw, orange label]’.
- PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / 19[p]46 / sis n. sp. ♀ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1384 [hw, orange label]’.
- PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] 1946 [hw] // Mus. Nat. Pragae / Inv. [p] 1395 [hw, orange label]’.
- PARATYPE (♀ apter.): ‘Vohémar / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. [hw] / L. Hoberlandt det. [p] ♀ [hw] // Mus. Nat. Pragae / Inv. [p] 1398 [hw, orange label]’.
- PARATYPE (♀ apter.): ‘Ambanja / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. ♀ [hw] / L. Hoberlandt det. [p] / 46 [hw] // Mus. Nat. Pragae / Inv. [p] 1401 [hw, orange label]’.
- PARATYPE (♀ apter.): ‘Ambanja / Madagascar [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / madagascariensis / n. sp. [hw] / L. Hoberlandt det. [p] ♀ [hw] // Mus. Nat. Pragae / Inv. [p] 1402 [hw, orange label]’.
- PARATYPE (♀ apter.): ‘Madagascar / Mus. Pragense [p] // Paratypus [p, red label with black upper and bottom margin] // Tenagogonus / 19[p]46 madagasca- / riensis n. sp. ♀ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1400 [hw, orange label]’.

**Current status.** Valid species (see POISSON 1965b, ANDERSEN 1995b, DAMGAARD et al. in press).

***Tenagonus madagascariensis f. fusca* Hoberlandt, 1947**

*Tenagonus madagascariensis* forma *fusca* Hoberlandt, 1947: 108 (original description).

Seventeen syntypes are deposited in NMPC:

SYNTYPE (♂ apter.): ‘Ambanja / Madagascar [p] // TYPUS [p, red label with black frame submarginally] // Tenag. mad. [hw] / 19[p]46[hw] / f. fusca n. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1414 [hw, orange label]’.

SYNTYPES (8 ♂♂ apter.): ‘Madagascar / Inv. č. [p] // TYPUS [p, red label with black frame submarginally] // Tenag. mad. [hw] / 19[p]46[hw] / f. fusca n. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1405, 1406, 1407, 1409, 1411, 1413, 1416, 1418 [respectively; hw, orange label]’.

SYNTYPES (8 ♂♂ apter.): ‘Vohémar / Madagascar [p] // TYPUS [p, red label with black frame submarginally] // Tenag. mad. [hw] / 19[p]46[hw] / f. fusca n. ♂ [hw] / L. Hoberlandt det. [p] // Mus. Nat. Pragae / Inv. [p] 1408, 1410, 1412, 1415, 1417, 1419, 1420, 1421 [respectively; hw, orange label]’.

**Current status.** Unavailable name. It is clear from the original description that Hoberlandt (1947) proposed this name merely for the colour variant occurring sympatrically with the typical form and therefore there is no doubt he meant an infraspecific entity within *Tenagonus madagascariensis* Hoberlandt, 1947.

Tribe Tachygerrini Andersen, 1975

***Gerris kahli* Drake & Harris, 1934**

*Gerris kahli* Drake & Harris, 1934: 185, 199–200 (original description, key).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Elvecia near / Mt. Turumquire, / Sucre, Venez. / G. Netting. [p] // Jan. [p] 22 [hw] / 19[p]30[hw] // Cam. Mus. / Acc. [p] 8696 [hw] // ♂ [p] // PARATYPE [p] / Gerris / kahli / D & H [hw, red label]’.

**Current status.** Junior synonym of *Eurygerris fuscinervis* Berg, 1898 (see MORALES-CASTAÑO & MOLANO-RENDÓN 2010, DAMGAARD et al. in press).

Subfamily Halobatinae Bianchi, 1896

Tribe Metrocorini Matsuda, 1960

***Eurymetra angolensis* Hoberlandt, 1951**

*Eurymetra angolensis* Hoberlandt, 1951a: 10–14, Figs 6–12 (original description).

Seven paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘16.I.48 Kamassangu [hw] / – Dundo, Angola / A. B. Machado lgt [p] // Angola [p] No. 333.4 [hw] / A. B. Machado lgt. [p] // Paratypus [p, red label] // Paratypus [p] / Eurymetra / angolensis / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 13 331 [hw, orange label]’.

PARATYPE (♂ apter.): ‘16.I.48 Kamassangu [hw] / – Dundo, Angola / A. B. Machado lgt [p] // Ang. [p] No. 333.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Eurymetra / angolensis / sp. n. f. apt. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 13 330 [hw, orange label]’.

PARATYPE (♀ macr.): ‘2.II.48 Tshikapa [hw] / Dundo, Angola / A. B. Machado lgt. [p] // Ang. [p] No. 354.8 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Eurymetra / angolensis / sp. n. f. macr. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 13 336 [hw, orange label]’.

PARATYPES (2 ♀♀ apter.): ‘16.I.48 Kamassangu [hw] / – Dundo, Angola / A. B. Machado lgt. // Angola [p] No. 333.4 [hw] / A B Machado lgt // Paratypus [p, red label] // Paratypus [p] / Eurymetra / angolensis / sp. n. f. apt.

♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 13 333, 13 335 [respectively; hw, orange label]’.

PARATYPES (2 ♀♀ apter.): ‘16.I.48 Kamassangu [hw] / – Dundo, Angola / A. B. Machado lgt // Ang. [p] No. 333.4 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / *Eurymetra* / *angolensis* / sp. n. f. apt.

♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 13 332, 13 334 [respectively; hw, orange label]’.

**Note.** Collection also includes three separate slides containing dissected legs and male genitalia originating from an additional paratype (Slide Box 4).

**Current status.** Valid subspecies: *Eurymetra natalensis angolensis* (see POISSON 1965b; LINNAUORI 1971, 1981).

### *Eurymetra manengolensis* Hoberlandt, 1952

*Eurymetra manengolensis* Hoberlandt, 1952b: 1–3, Figs 1–5 (original description).

The holotype is deposited in NMPC:

HOLOTYPE (♀ apter.): ‘Manengole / 800 m, IV. 49 / Cameroun / lgt. Tesárek [hw] // Holotypus [p, red label] // Holotypus [p] ♀ / *Eurymetra* / *manengolensis* n. sp. [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

**Current status.** Valid species: *Eurymetropsiella manengolensis* (Hoberlandt, 1952) (see POISSON 1965b, LINNAUORI 1981).

### *Metrocoris nieseri* Chen & Zettel, 1999

*Metrocoris nieseri* Chen & Zettel, 1999: 14–19, 29–31, Figs 1–3, 5–9, 12, 14, 30–31, 35 (original description).

One paratype is deposited in NMPC (exchange with Natural History Museum, Vienna):

PARATYPE (♀ apter.): ‘Thailand: Chiang Mai / Doi Sutep NP, Wang / Bua Boon, 24.III.1994 / leg. W.D.Shepard(1042) [p] // paratype [hw, red label] // ♀ [p] // *Metrocoris nieseri* / Chen & Zettel [p]’.

**Current status.** Valid species.

### Subfamily Ptilomerinae Bianchi, 1896

### *Potamometra macrokosos* Drake & Hoberlandt, 1965

*Potamometra macrokosos* Drake & Hoberlandt, 1965: 304, 306, 308–309, Figs 2b, 3e–f (original description, key).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Suisape, 1000 M. / Lichuan Distr. / W. Hupeh, China / VIII-[p] 6 [hw] -48 [p] // Gressitt & / Djou Collrs. // ♂ [p] // Paratype [p] / *Potamometra* / *macrocola* [sic!] / Drake [hw, red label]’.

**Current status.** Valid species (see CHEN & ANDERSEN 1993, ANDERSEN 1995).

### *Rheumatogonus intermedius* Hungerford, 1933

*Rheumatogonus intermedius* Hungerford, 1933: 3–4 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Baboera River / E Coast Sumatra / 9. 24. 31 / v d. Meer Mohr [p] // P A R A T Y P E / *Rheumatogonus* / *intermedius* / H. B. Hungerford [p, blue label] // Purch. from / Meer Mohr / See Pub. 1933

[p] // ♂ [p]’.

PARATYPE (♀ apter.): ‘Baboera River / E Coast Sumatra / 9. 24. 31 / v d. Meer Mohr [p] // P A R A T Y P E / Rheumatogonus / intermedius / H. B. Hungerford [p, blue label] // Purch. from / Meer Mohr / See Pub. 1933 [p] // ♀ [p]’.

**Current status.** Valid species (see CHEN & NIESER 2002, CHEN et al. 2005).

Subfamily Rhagadotarsinae Lundblad, 1933

***Rheumatobates clanis* Drake & Harris, 1932**

*Rheumatobates clanis* Drake & Harris, 1932: 157–158 (original description).

Five paratypes are deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘Rio Grande / British Honduras / Nov. 1931 [p] // PARATYPE [p] / Rheumatobates / clanis / D+H [hw, red label] // ♂ [p] // PARATYPUS / RHEUMATOBATES / CLANIS / Drake & Harris, 1932 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘Rio Grande / British Honduras / Nov. 1931 [p] // PARATYPE [p] / Rheumatobates / clanis / D+H [hw, red label] // ♀ [p]’.

PARATYPES (2 ♀♀ apter.): ‘Rio Grande / British Honduras / Nov. 1931 [p] // PARATYPE [p] / Rheumatobates / clanis / D+H [hw, red label] // ♀ [p] // PARATYPUS / RHEUMATOBATES / CLANIS / Drake & Harris, 1932 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species (see SMITH 1988b, CASTRO-VARGAS & MORALES-CASTAÑO 2011).

Subfamily Trepobatinae Matsuda, 1960

Tribe Metrobatini J. T. Polhemus & D. A. Polhemus, 1993

***Rheumatometra philarete* Kirkaldy, 1902**

*Rheumatometra philarete* Kirkaldy, 1902: 281 (original description).

*Rheumatometra philarete*: ANDERSEN & WEIR (1998): 517 (lectotype designation).

Two paralectotypes are deposited in NMPC:

PARALECTOTYPES (♂+♀ apter.): ‘VICTORIA / Alexandra / F. L. Billinghamurst. [p] // ♂ [p] // ♀ [p] // R [hw] Paratype [p] / philarete / Kirk [Drake’s hw, red label] // PARALECTOTYPUS / RHEUMATOMETRA / PHILARETE / Kirkaldy, 1902 / labelled: P. KMENT 2013 [p, red label]’. (Both specimens mounted on a single piece of card).

**Current status.** Valid species (see POLHEMUS & POLHEMUS 1993; ANDERSEN & WEIR 1998, 2004).

Tribe Naboandelini J. T. Polhemus & D. A. Polhemus, 1993

***Naboandelus africanus* Hoberlandt, 1951**

*Naboandelus africanus* Hoberlandt, 1951a: 12, 14–16, Figs 13–16 (original description).

The holotype and one paratype (allotype) are deposited in NMPC:

HOLOTYPE (♂ apter.): ‘Dundo, Lunda / Angola [p] II- 48 [hw] / A B Machado lg. [p] // Ang. [p] No 398.4 [hw] / coll. A.B.Machado [p] // Holotypus [p, red label] // Holotypus [p] / Naboandelus / africanus / n. sp. ♂ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.



PARATYPE (♀ apter.): ‘Dundo, Lunda / Angola [p] II- 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] No 398.4 [hw] / coll.A.B.Machado [p] // Allotypus [p, red label] // Allotypus [p] / Naboandelus / africanus / n. sp. ♀ [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

**Current status.** Valid species (see POISSON 1965b, LINNAVUORI 1981, POLHEMUS & POLHEMUS 2002).

### *Naboandelus bergewini pygmaeus* Linnavuori, 1971

*Naboandelus bergewini* Bgr. ssp. *pygmaea* Linnavuori, 1971: 360–361 (original description).

*Naboandelus bergewini pygmaea*: LINNAVUORI (1975): 45–46 (diagnosis), LINNAVUORI (1981): 17 (list), ANDERSEN (1995): 97 (catalogue), POLHEMUS & POLHEMUS (2002): 293 (catalogue).

Nine paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. II. 63 / Linnavuori [p] // ♂ [p] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPES (2 ♂♂ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. 2. 63 / Linnavuori [p] // ♂ [p] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. II. 63 / Linnavuori [p] // Naboandelus / bergewini ssp. / pygmaeus Lv. / paratypes [hw] // ♀ [p] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPES (3 ♀♀ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. II. 63 / Linnavuori [p] // ♀ [p] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. 2. 63 / Linnavuori [p] // ♀ [p] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

PARATYPE (♀ apter.): ‘Sudan. Kordofan / Lake Keilak / 8–11. 2. 63 / Linnavuori [p] // ♀ [p] // Naboandelus / bergewini / pygmaeus / Lv. [hw] // PARATYPUS / *NABOANDELUS* / *BERGEVINI PYGMAEA* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid subspecies: *Naboandelus bergewini pygmaeus* Linnavuori, 1971 (see LINNAVUORI 1975, 1981; ANDERSEN 1995; POLHEMUS & POLHEMUS 2002).

**Remark.** LINNAVUORI (1971) cited the subspecies epithet as *pygmaea*; *pygmaeus* (-a, -um) is a Latin adjective meaning ‘of or pertaining to a pygmy or dwarf, especially to the mythical Pygmaei of Africa; short; of reduced stature’. This spelling was accepted in all the subsequent papers (LINNAVUORI 1975 1981; ANDERSEN 1995; POLHEMUS & POLHEMUS 2002). However, as the genus name *Naboandelus* Distant, 1910 (type species *N. signatus* Distant, 1910 – see DISTANT 1910) is undoubtedly a masculine, the correct spelling of the subspecies must be *Naboandelus bergewini pygmaeus* (see ICZN 1999: 31.2, 34.2).

### *Naboandelus patrizii migrans* Linnavuori, 1971

*Naboandelus patrizii* Mc. ssp. *migrans* Linnavuori, 1971: 361 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂ apter.): ‘Sudan, Khartoum / 30. VI. - 3. VII. 1961 / R. Linnavuori leg [p, blue label] // ♂ [p] // Naboandelus / patrizii / migrans / Lv. [hw] // PARATYPUS / *NABOANDELUS* / *PATRIZII MIGRANS* / Linnavuori, 1971 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid subspecies (see LINNAVUORI 1981, POLHEMUS & POLHEMUS 2002).

## Tribe Trepobatini Matsuda, 1960

***Telmatometra indentata* Kenaga, 1941**

*Telmatometra indentata* Kenaga, 1941: 173, 179–180, 183, Figs 2a–c (original description, key).

Three paratypes deposited in NMPC:

PARATYPES (2 ♂♂ apter.): ‘Bolivia S. A. / R. Beni Cachuela / Esperanza 9-37 / A. M. Olalla [p] // ♂ [p, yellow label] // P A R A T Y P E / *Telmatometra / indentata / Eugena Kenaga [p, blue label]*’.

PARATYPE (♀ apter.): ‘Bolivia S. A. / R. Beni Cachuela / Esperanza 9-37 / A. M. Olalla [p] // ♀ [p] // P A R A T Y P E / *Telmatometra / indentata / Eugena Kenaga [p, blue label]*’.

**Current status.** Valid species (see MATSUDA 1960; POLHEMUS & POLHEMUS 1995b, 2002; HECKMAN 2011).

***Trepobates citatus* Drake & Chapman, 1953**

*Trepobates citatus* Drake & Chapman, 1953: 111–112 (original description).

Four paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Apopka, Fla. [p] / XII - 17 - [hw] 195[p]2 [hw] / H. C. Chapman [p] // ♂ [p] // Paratype [p] / *Trepobates / citatus / D. & C. [hw, red label]*’.

PARATYPE (♂ apter.): ‘Apopka, Fla. [p] / XI - 10 [hw] 195[p]2 [hw] / H. C. Chapman [p] // ♂ [p] // Paratype [p] / *Trepobates / citatus / D. & C. [hw, red label]*’.

PARATYPE (♀ apter.): ‘Apopka, Fla. [p] / XI - 11 - [hw] 195[p]2 [hw] / H. C. Chapman [p] // ♀ [p] // Paratype [p] / *Trepobates / citatus / D. & C. [hw, red label]*’.

PARATYPE (♀ apter.): ‘Apopka, Fla. [p] / XI - 10 [hw] 195[p]2 [hw] / H. C. Chapman [p] // ♀ [p] // Paratype [p] / *Trepobates / citatus / D. & C. [hw, red label]*’.

**Current status.** Junior synonym of *Trepobates subnitidus* Esaki, 1926 (see KITTLE 1991; POLHEMUS & POLHEMUS 1995b, 2002).

***Trepobates knighti* Drake & Harris, 1928**

*Trepobates knighti* Drake & Harris, 1928: 28–29 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀ macr.): ‘Ames. Iowa [p] / 7-29- [hw] 192[p]4 [hw] / C. J. Drake [p] // ♂ [p] // PARATYPE [p] / *Trepobates / knighti n. sp. / Drake + Harris [hw, red label]*’.

**Current status.** Valid species (see SMITH 1988b; POLHEMUS & POLHEMUS 1995b, 2002).

***Trepobates panamensis* Drake & Hottes, 1952**

*Trepobates panamensis* Drake & Hottes, 1952b: 35–37 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂ apter.): ‘Panama, Pan. / Aug. 13. 1934 / L. J. Rozeboom [p] // ♂ [p] // Paratype [p] / *Trepobates / panamensis / D. + H. [hw, red label]*’.

PARATYPE (♀ macr.): ‘Canal Zone / Pan. 2 – 10. 39 / C. J. Drake // ♀ [p] // Paratype [p] / *Trepobates / panamensis / D. + H. [hw, red label]*’.

**Current status.** Valid species (see FROESCHNER 1999; POLHEMUS & POLHEMUS 1995b, 2002; HECKMAN 2011).

***Trepobates vazquezae* Drake & Hottes, 1951**

*Trepobates vazquezae* Drake & Hottes, 1951a: 141–143 (original description).

Nine paratypes are deposited in NMPC:

PARATYPES (4 ♂♂ macr.): ‘Acapulco, Mex. / Aug. 3, 1951 / Drake & Hottes [p] // ♂ [p] // Paratype [p] / *Trepobates* / *vazquezae* / D + H [hw, red label]’.

PARATYPE (♀ apter.): ‘Acapulco, Mex. / Aug. 3, 1951 / Drake & Hottes [p] // ♀ [p] // Paratype [p] / *Trepobates* / *vazquezae* / D + H [hw, red label] // *Trepobates* / *vazquezae* / D. & H. [hw, white label with black frame submarginally]’.

PARATYPES (4 ♀♀: 2 ♀♀ apter., 2 ♀♀ macr.): ‘Acapulco, Mex. / Aug. 3, 1951 / Drake & Hottes [p] // ♀ [p] // Paratype [p] / *Trepobates* / *vazquezae* / D + H [hw, red label]’.

**Current status.** Valid species (see MATSUDA 1960; POLHEMUS & POLHEMUS 1995b, 2002).

**Family SALDIDAE Amyot & Serville, 1843**

Subfamily Chiloxanthinae Cobben, 1959

***Chiloxanthus pilosus* var. *zaitzevi* Kiritshenko, 1916**

*Chiloxanthus pilosus* var. *zaitzevi* Kiritshenko, 1916: 2 (original description).

*Chiloxanthus pilosus* var. *zaitzevi*: VINOKUROV (2006): 704 (lectotype designation).

Two paralectotypes are deposited in NMPC:

PARALECTOTYPE (♂): ‘Карская тундра / с. Тобольск. губ. / ФЗайцев [p] 27 [hw] VII 09 [p] [= Karskaya tundra / s. Tobol’s. gub., F. Zaytsev, 27.vii.09] // COTYPUS ♂ / *Acanthia* (*Chiloxanthus*) / *pilosus* Fall. var. / *zaitzevi* Kir. 1916 [hw, violet label] // PARALECTOTYPUS / *CHILOXANTHUS* / *PILOSUS* var. *ZAITZEVI* / Kiritshenko, 1916 / labelled: P. KMENT 2013 [p, red label]’.

PARALECTOTYPE (♀): ‘Карская тундра / с. Тобольск. губ. / ФЗайцев [p] 27 [hw] VII 09 [p] [= Karskaya tundra / s. Tobol’s. gub., F. Zaytsev, 27.vii.09] // COTYPUS ♀ / *Acanthia* (*Chiloxanthus*) / *pilosus* Fall. var. / *zaitzevi* Kir. 1916 [hw, violet label] // PARALECTOTYPUS / *CHILOXANTHUS* / *PILOSUS* var. *ZAITZEVI* / Kiritshenko, 1916 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Chiloxanthus arcticus* (J. Sahlberg, 1878) (see BIANCHI & KIRITSHENKO 1923, SCHUH et al. 1987, LINDSKOG 1995, VINOKUROV 2005, AUKEMA et al. 2013).

Subfamily Saldinae Amyot & Serville, 1843

Tribe Saldoidini Reuter, 1912

***Acanthia (Acanthia) angulosa* Kiritshenko, 1912**

*Acanthia* (s. str.) *angulosa* Kiritshenko, 1912: 548–549 (original description).

*Acanthia angulosa*: VINOKUROV (2006): 703 (lectotype designation).

One paralectotype is deposited in NMPC:

PARALECTOTYPE (♀): ‘ВЕРХ. Р. Хи – ЧЮ, БАС / ГОЛУБОЙ 13-14000’ / КОЗЛОВЬ. сеп. VII 00 [p] [= verkh. r. Khi-Chyu, bas Goluboy, 13-14,000 ft, Kozlov’.ser.vii 00] // Type [p in red, white label with black frame submarginally] // COTYPUS / *Acanthia* (s. str.) ♀ / *angulosa* Kir. 1911 [hw, violet label] // PARALECTOTYPUS / *ACANTHIA* / *ANGULOSA* / Kiritshenko, 1912 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Valid species: *Calacanthia angulosa* (Kiritshenko, 1912) (LINDSKOG 1975, 1995; COBBEN 1985; SCHUH et al. 1987; AUKEMA et al. 2013).

### *Macrosaldula indica* Vinokurov, 2013

*Macrosaldula indica*: VINOKUROV (2012a): 303–305, Figs 22–30 (original description) (unavailable name).

*Macrosaldula indica*: VINOKUROV (2012b): 854–857, Figs 22–30 (English translation of original description) (unavailable name).

*Macrosaldula indica* Vinokurov, 2013: 58 (diagnosis, valid holotype designation).

Three paratypes are deposited in NMPC:

PARATYPE (♂): 'INDIA [IN-11] Himachal Pradesh, / Kothi Vill. and environs, 32°18'N / 77°11'E, 2300-2600m, 29.05- / 8.06. 1999 Yu.M.Marusik [p] // ♂ [p] // **Paratypus** / *Macrosaldula indica* / Vinokur, 2011 [p, red label]'.

PARATYPE (♂): 'India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // **Paratypus** / *Macrosaldula indica* / Vinokurov, 2011 [p, red label]'. (Male genitalia dissected, glued on the same card as the specimen).

PARATYPE (♀): 'India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♀ [p] // **Paratypus** / *Macrosaldula indica* / Vinokurov, 2011 [p, red label]'. (Female genitalia dissected, glued on the same card as the specimen).

**Current status.** Valid species. VINOKUROV (2012a,b) provided detailed description of the taxon but failed to indicate unequivocally the depository of the holotype, which made the species name unavailable according to the provisions of ICZN (1999). VINOKUROV (2013) provided a diagnose and valid holotype designation, including its depository, making the name available from that publication.

### *Micracanthia drakei* Cobben, 1960

*Micracanthia drakei* Cobben, 1960: 56–59, Figs 45, 51, 53 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): '♂ [hw] // leg. R.H. Cobben [p] / St. Cruz - Krip / 3 - 2 [hw] 195[p]7 [hw] / Curaçao [hw, white label with black frame submarginally] // PARATYPE [p] / *Micracanthia* / drakei Cobben. [hw, red label]'.

PARATYPE (♀): '♀ [hw] // leg. R.H. Cobben [p] / Santa Cruz / brak. / 20 - 4 - [hw] 195[p]7 [hw] / Aruba [hw, white label with black frame submarginally] // PARATYPE [p] / *Micracanthia* / drakei Cobben. [hw, red label]'.

**Current status.** Valid species (see POLHEMUS 1985a, SCHUH et al. 1987).

### *Micracanthia husseyi* Drake & Chapman, 1952

*Micracanthia husseyi* Drake & Chapman, 1952: 148–150 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♀): 'Cocoa Fla / 20.XII-1952 / H.C.Chapman [hw] // Paratype [p] / *Micracanthia* / saltaica / D & C [hw, red label] // ♀ [p] // *Micracanthia* / husseyi / D & C [hw, white label with black frame submarginally]'.

PARATYPE (♀): 'Cocoa Fla / 20.XII-1952 / H.C.Chapman [hw] // Paratype [p] / *Micracanthia* / saltaica / D & C [hw, red label] // ♀ [p]'.

**Current status.** Valid species (see POLHEMUS 1985a, 1988; SCHUH et al. 1987).

### *Salda alpicola* J. Sahlberg, 1880

*Salda alpicola* J. Sahlberg, 1880: 8–11 (original description).

Two syntypes are deposited in NMPC:

SYNTYPE (♂): 'Salten / Baadfj. [hw] // J. Sahlb. [p] // Spec. typ. [p] // TYPUS [p, red label with black frame submarginally] // ♂ [p] // *Salda* / alpicola / J. Sahlb. / Det. J. Sahlberg [hw]'.

SYNTYPE (♀): ‘Salten / Baadfj. [hw] // J. Sahlb. [hw] // TYPUS [p, red label with black frame submarginally] // ♀ [p] // Salda / alpicola J. Sahlb. / Det. J. Sahlberg [hw]’.

**Current status.** Valid species: *Calacanthia apicola* (J. Sahlberg, 1880) (COBBEN 1959, SCHUH et al. 1987, LINDSKOG 1995).

### *Salda reuteri* Jakovlev, 1889

*Salda reuteri* Jakovlev, 1889: 66–68 (original description).

*Salda reuteri*: VINOKUROV (2006): 704 (lectotype designation).

Two paralectotypes are deposited in NMPC:

PARALECTOTYPE (♂): ‘Иркутскъ. / В. Яковлевъ [p] [= Irkutsk', V. Jakovlev'] // COTYPUS / Salda ♂ / reuteri Jak. 1889 [hw, violet label] // Mus. Nat. Pragae / Inv. [p] 11.128 [hw, orange label] // PARALECTOTYPUS / *SALDA* / *REUTERI* / Jakovlev, 1889 / labelled: P. KMENT 2013 [p, red label]’.

PARALECTOTYPE (♀): ‘Иркутскъ. / В. Яковлевъ [p] [= Irkutsk', V. Jakovlev'] // COTYPUS / Salda ♀ / reuteri Jak. 1889 [hw, violet label] // Mus. Nat. Pragae / Inv. [p] 11.129 [hw, orange label] // PARALECTOTYPUS / *SALDA* / *REUTERI* / Jakovlev, 1889 / labelled: P. KMENT 2013 [p, red label]’.

**Current status.** Junior synonym of *Saldula nobilis* Horváth, 1884 (see REUTER 1895, SCHUH et al. 1987, LINDSKOG 1995).

### *Saldula andrei* Drake, 1949

*Saldula andrei* Drake, 1949a: 3–4 (original description).

Three paratypes are deposited in NMPC:

PARATYPE (♀): ‘Aztec, N. M. / Aug. 26, 1937 / Drake & Andre [p] // Paratype [p] / Saldula / andrei / D. & C. [p, red label] // Saldula / andrei / C.J.D. Drake [hw, white label with black frame submarginally] // Mus. Nat. Pragae / Inv. [p] 1051 [hw, orange label] // ♀ [p]’.

PARATYPE (♀): ‘San Carlos, Ariz. / August 17, 1934 / Carl J. Drake [p] // Paratype [p] / Saldula / andrei / D. & C. [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1052 [hw, orange label] // ♀ [p]’.

PARATYPE (♀): ‘Eagle Nest Lake / New Mex IX, 1934 / Carl J. Drake [p] // Paratype [p] / Saldula / andrei / D & C. [hw, red label] // Saldula / andrei / C.J.D. Drake [hw, white label with black frame submarginally] // Mus. Nat. Pragae / Inv. [p] 1053 [hw, orange label] // ♀ [p]’.

**Current status.** Valid species: *Saldula andrei andrei* Drake, 1949 (see POLHEMUS 1985a, 1988; SCHUH et al. 1987).

### *Saldula azteca* Drake & Hottes, 1949

*Saldula azteca* Drake & Hottes, 1949: 177–179, Pl. X: Fig. III (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): Palisades, Colo. / Sept. Oct. 1949 / F.C.Hottes [p] // Paratype [p] / Saldula / azteca / D& H. [hw, red label] // ♂ [p] // Saldula / azteca / C.J.D. Drake [hw, white label with black frame submarginally] // Mus. Nat. Pragae / Inv. [p] 1054 [hw, orange label]’.

PARATYPE (♀): ‘Gateway, Colo. / Sept. 8, 1949 / Drake & Hottes [p] // Paratype [p] / Saldula / azteca / D& H. [hw, red label] // ♀ [p] // Mus. Nat. Pragae / Inv. [p] 1055 [hw, orange label]’.

**Current status.** Valid subspecies: *Saldula andrei azteca* Drake & Hottes, 1949 (see POLHEMUS 1985a, 1988; SCHUH et al. 1987).

***Saldula bassingeri* Drake, 1949**

*Saldula bassingeri* Drake, 1949b: 190–191 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): ‘Dolores, Colo. / Aug. 15. 1925 / C. J. Drake [p] // Paratype [p] / *Saldula / bassingeri* / D. & C [hw, red label] // *Saldula / bassingeri* / Drake [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1058 [hw, orange label] // ♂ [p]’.

PARATYPE (♀): ‘Riverside, Cal. [p] / Aug. 16, 1937 / Drake & Andre [p] // Paratype [p] / *Saldula / bassingeri* / D & C. [hw, red label] // *Saldula / bassingeri* / C.J.D. Drake [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1057 [hw, orange label] // ♀ [p]’.

**Current status.** Valid species (see SCHUH et al. 1987, POLHEMUS 1988).

***Saldula gidshaensis* Cobben, 1987**

*Saldula gidshaensis* Cobben, 1987a: 401–404, Figs 1a–c, Table 1 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀): ‘ETHIOPIE / Gidsha vallei [sic!] / Bronbeek 2400m. / 23-11’69 / Leg: R.H. Cobben [p] // ♀ [p] // Paratype / *Saldula / gidshaensis* / MS / R. H. Cobben 1980 [hw, green label].

**Current status.** Valid species (see also COBBEN 1987b).

***Saldula (Macrosaldula) kaszabi* Hoberlandt, 1971**

*Saldula (Macrosaldula) kaszabi* Hoberlandt, 1971: 145–149, Figs 1–2, 5, 8–11 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): ‘MONGOLIA, Uburchangaj / aimak, zw, Baga Bogd ul / und Arc Bogd ul, 1600m / 60 km WSW v. som. Chovd / Exp. Dr. Z. KASZAB, 1964 [p] // Nr. 172 / 22. VI. 1964 [p] // Paratypus [p] ♂ / *Saldula / kaszabi*, n. sp. [hw] / Det. L. Hoberlandt, 19[p]69 [hw, red label]. (Male genitalia dissected, remnants of pygophore glued on a pointed card, internal genitalia mounted on two microslides attached to separate pieces of card, all the cards pinned on the same pin).

PARATYPE (♀): ‘MONGOLIA, Südgobi aimak / somon Bulgan, 1350 m / Exp. Dr. Z. KASZAB, 1964 [p] // Nr. 159 / 20. VI. 1964 [p] // Paratypus [p] ♀ / *Saldula / kaszabi*, n. sp. [hw] / Det. L. Hoberlandt, 19[p]69 [hw, red label].

**Current status.** Valid species: *Macrosaldula kaszabi* (Hoberlandt, 1971) (see COBBEN 1985, SCHUH et al. 1987, LINDSKOG 1995).

***Saldula madonica* Seidenstücker, 1961**

*Saldula madonica* Seidenstücker, 1961: 41–46, Figs 5 11–12, 14, 16 (original description).

Two paratypes are deposited in NMPC:

PARATYPE (♂): ‘♂ [p] // SICILIA, Cefalu, Castelbuo- / no Stazione - Ponte Fiumara / 4. - 12.5.57, Seidenstücker [p] // PARATYPOID [p] / *Saldula / madonica* [hw] / det. Seidenstücker [p] n. sp. [hw, pink label with black frame submarginally]’.

PARATYPE (♀): ‘♀ [p] // SICILIA, Cefalu, Castelbuo- / no Stazione - Ponte Fiumara / 4. - 12.5.57, Seidenstücker [p] // PARATYPOID [p] / *Saldula / madonica* [hw] / det. Seidenstücker [p] n. sp. [hw, pink label with black frame submarginally]’.

**Current status.** Valid species: *Macrosaldula madonica* (Seidenstücker, 1961) (see COBBEN 1985, SCHUH et al. 1987, LINDSKOG 1995).

***Saldula opiparia* Drake & Hottes, 1955**

*Saldula opiparia* Drake & Hottes, 1955: 63–66, Fig. 6 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Salt Lake, Utah / Aug. 23, 1949 / Drake & Hottes [p] // Paratype [p] / *Saldula* / *opiparia* / D & H. [hw, red label] // ♂ [p] // *Saldula* / *opiparia* / D. & H. [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1059 [hw, orange label]’.

**Current status.** Valid species (see POLHEMUS 1985a, 1988; SCHUH et al. 1987).

***Saldula ourayi* Drake & Hottes, 1949**

*Saldula ourayi* Drake & Hottes, 1949: 179–180, Pl. X: Fig. IV (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Soap Lake, Wash. / Aug. 30, 1949 / Drake & Hottes [p] // Paratype [p] / *Saldula* / *ourayi* / D&H [hw, red label] // ♀ [p] // *Saldula* / *ourayi* / C.J.D. D & H. [hw, white label with black frame submarginally] // Mus. Nat. Pragae / Inv. [p] 1056 [hw]’.

**Current status.** Junior synonym of *Saldula dispersa* Uhler, 1893 (see POLHEMUS 1985b, 1988; SCHUH et al. 1987).

***Saldula penningtoni* Drake & Carvalho, 1948**

*Saldula penningtoni* Drake & Carvalho, 1948: 479 (original description).

One paratype is deposited in NMPC:

PARATYPE (♀): ‘Buenos Aires / Arg. 11-23-1938 / Carl J. Drake [p] // Paratype [p] / *Saldula* / *penningtoni* / D & C. [hw, red label] // *Saldula* / *penningtoni* / Drake / C.J.D. [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1062 [hw, orange label] // ♀ [p]’.

**Current status.** Valid species (see SCHUH et al. 1987).

***Saldula pericarti* Vinokurov, 2012**

*Saldula pericarti* Vinokurov, 2012a: 305–308, Figs 43–55 (original description).

The holotype and 50 paratypes are deposited in NMPC:

HOLOTYPE (♂): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg. [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // **Holotypus** / *Saldula pericarti* / Vinokurov, 2011 [p, red label]’.

PARATYPE (♂): ‘India Kashmir / Srinagar 5.000 ft / 22.V.–9.VI.52 / F.A.Kincl leg. [hw] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // Paratype / *Saldula pericarti* / Vinokurov sp.n. [p, red label]’.

PARATYPES (4 ♂♂): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // Paratype / *Saldula pericarti* / Vinokurov sp.n. [p, red label]’.

PARATYPES (3 ♂♂): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♂ [p] // Paratypus / *Saldula pericarti* / Vinokurov 2011 [p, red label]’.

PARATYPES (4 spec.): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // Paratype / *Saldula pericarti* / Vinokurov sp.n. [p, red label]’.

(Sex unidentified, specimens lacking apex of abdomen).

PARATYPE (1 spec.): ‘India Kasmir / Srinagar 5.000 ft / 22.V.–9.VI.52 / F.A.Kincl leg. [hw] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // Paratype / *Saldula pericarti* / Vinokurov sp.n. [p, red label]’. (Sex unidentified, specimen lacking apex of abdomen).

PARATYPES (2 ♀♀): ‘India Kasmir / Srinagar 5.000 ft / 22.V. – 9.VI.52 / F.A.Kincl leg. [hw] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♀ [p] // Paratypus / *Saldula pericarti* / Vinokurov, 2011 [p, red label]’.

PARATYPES (2 ♀♀): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♀ [p] // Paratype / *Saldula pericarti* / Vinokurov sp.n. [p, red label]’.

PARATYPES (34 ♀♀): ‘India, Kashmir [p] / Srinagar 5.000 ft [hw] / 22. V. – 9. VI. 52 / F. A. Kincl leg [p] // COLLECTIO / NATIONAL MUSEUM / Praha, Czech Republic [p] // ♀ [p] // Paratypus / *Saldula pericarti* / Vinokurov 2011 [p, red label]’.

**Current status.** Valid species (see also VINOKUROV 2012b).

### *Saldula trivialis* Cobben, 1961

*Saldula trivialis* Cobben, 1961: 102–105, Figs 26a–f, 28–29, 31, 32a–b, 35a–b (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘S. Karori / 13 - I - 24 / H. Hamilton [p] // ♂ [p] // Paratypus / *Saldula* / *trivialis* / R. H. Cobben . 1961 [hw, pink label]’.

**Current status.** Valid species (see SCHUH et al. 1987).

### *Saldula varionis* Drake & Hottes, 1950

*Saldula varionis* Drake & Hottes, 1950: 57, 59 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Gateway, Colo. / Sept. Oct. 1949 F. C. Hottes [p] // Paratype [p] / *Saldula* / *varionis* / D & H. [hw, red label] // *Saldula* / *varionis* / D. & H. [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1061 [hw, orange label] // ♂ [p]’.

**Current status.** Junior synonym of *Saldula balli* Drake, 1950 (see POLHEMUS 1985a, 1988; SCHUH et al. 1987).

### *Saldula verdica* Drake & Hottes, 1951

*Saldula verdica* Drake & Hottes, 1951b: 380–382, Fig. 1 (original description).

One paratype is deposited in NMPC:

PARATYPE (♂): ‘Nova Teutonia / St. Catarina / Bras. [p] 2.18 [hw] 1950 [p] / Fritz Plaumann [p] // Paratype [p] / *Saldula* / *verdica* / D. & H. [hw, red label] // ♂ [p] // *Saldula* / *penningtoni* / D & H [hw, white label with black frame submarginally] // Nat. Mus. Pragae / Inv. [p] 1060 [hw, orange label]’.

**Current status.** Valid species: *Rupisalda verdica* (Drake & Hottes, 1951) (see POLHEMUS 1985a, SCHUH et al. 1987).



**Family LEPTOPODIDAE Brullé, 1836**

Subfamily Leptopodinae Brullé, 1836

Tribe Leptopodini Brullé, 1836

***Patapius (Pseudopatapius) africanus* Drake & Hoberlandt, 1951***Patapius (Pseudopatapius) africanus* Drake & Hoberlandt, 1951: 10–13, Figs 1, 3–5 (original description).

The holotype and two paratypes are deposited in NMPC:

HOLOTYPE (♂): ‘Dundo, Lunda / Angola [p] XI. 48 [hw] / A B.Machado lgt. [p] // Ang. [p] 1197.7 [hw] coll.A.B Machado [p] // Holotypus [p, red label] // Holotypus [p] / Pseudopatapius / africanus gen. et sp. n. / ♂ C.J.Drake et [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’.

PARATYPE (♂): ‘Dundo, Lunda / Angola [p] XI. 48 [hw] / A B Machado lgt [p] // Ang. [p] 1197. 7 [hw] / coll.A. B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Pseudopatapius / africanus gen. et sp. n. / C.J.Drake et [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label]’. (Left antenna, right hemelytron, and apex of abdomen missing; male genitalia dissected, mounted on two separate slides deposited in Slide Box 5).

PARATYPE (♀): ‘Dundo, Lunda / Angola [p] VI. 48 [hw] / A. B. Machado lgt [p] // Luachimo [hw] / Ang. [p] 829. 16 [hw] / coll.A.B.Machado [p] // Paratypus [p, red label] // Paratypus [p] / Pseudopatapius / africanus gen. et sp. n. / ♀ C.J.Drake et [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1063 [hw, orange label]’.

**Current status.** Valid species (see POLHEMUS 1981, SCHUH et al. 1987).***Patapius (Pseudopatapius) angolensis* Drake & Hoberlandt, 1951***Patapius (Pseudopatapius) angolensis* Drake & Hoberlandt, 1951: 14–16, Fig. 6 (original description).

The holotype is deposited in NMPC:

HOLOTYPE (♂): ‘Dundo, Lunda / Angola [p] IV. 48 [hw] / A. B. Machado lgt. [p] // Ang. [p] No. 488. 2 [hw] / coll A.B.Machado [p] // Holotypus [p, red label] // Holotypus [p] / Pseudopatapius / angolensis gen. et sp. n. / ♂ C.J.Drake et [hw] / Det. L. Hoberlandt, 19[p]50 [hw, red label] // Mus. Nat. Pragae / Inv. [p] 1064 [hw, orange label]’.

**Current status.** Valid species (see POLHEMUS 1981, SCHUH et al. 1987).**Missing types****Family HELOTREPHIDAE Esaki & China, 1927**

Subfamily Helotrephinae Esaki &amp; China, 1927

Tribe Limnotrephini J. T. Polhemus, 1990

***Mixotrephes hoberlandti* Papáček, Štys & Tonner, 1989***Mixotrephes hoberlandti* Papáček, Štys & Tonner, 1989

HOLOTYPE (♂ brach.): ‘E Afghanistan, Nuristan, Bashgultal, 1300 m, 24.v.1953, leg. J. Klapperich’. (Dry mounted, fully dissected).

PARATYPES (5 ♂♂ brach., 2 ♂♂ macr., 9 ♀♀ brach., 1 ♀ macr., 5 larvae (1 instar 4, 4 instar 5): ‘E Afghanistan, Nuristan, Bashgultal, 1300 m, 24.v.1953, leg. J. Klapperich’.

PARATYPE (♀ brach.): ‘S. Iran: Makran, 2 km SE Minab, 21.v.1973, leg. Expedition of National Museum (Nat. Hist.) in Prague (locality no. 204)’. (Dry mounted, fully dissected).

**Current status.** Valid species: *Mixotrepes (Mixotrepes) hoberlandti* Papáček, Štys & Tonner, 1989 (see POLHEMUS 1995c, PAPÁČEK & ZETTEL 2004).

**Remarks.** According to the original description, holotype and larger portion of the paratypes are deposited in NMPC, with multiplicate specimens deposited in collections of P. Štys (Department of Zoology, Charles University, Praha), M. Papáček (Department of Biology, Pedagogical Faculty, České Budějovice), and J. T. Polhemus (University of Colorado Museum, Engelwood, USA) (PAPÁČEK et al. 1989). According to M. Papáček and P. Štys (pers. comm., 2013) the holotype and paratypes belonging to NMPC were returned after the description. Most probably the specimens were borrowed by L. Hoberlandt and taken home (even the collection box is missing) during his unfinished work on Iranian water bugs shortly before his death. So far we have failed to reclaim the material back from the care of his wife.

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