

# On type specimens of some Palaearctic Miridae in the Hungarian Museum of Natural History (Heteroptera)

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An incomplete list of type specimens in the collection is given. Lectotypes of 51 species-group taxa are designated. The following new synonymy is established: *Anapus kirschbaumi* (Stål, 1858) = *A. pectoralis* Horváth, 1904, **syn. n.**; *Orthops frenatus* (Horváth, 1894), **stat. n.** = *O. kalmi* var. *frenatus* = *O. kalmi* var. *orientalis* (Reuter, 1896), **syn. n.** *Lygus taiwanus* Poppius, 1915 is transferred to *Lygocoris* (s. str.) (**comb. n.**).

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## Introduction

In August 1996 I had an opportunity to work incomplete three days in the Heteroptera collection of the Hungarian National Museum of Natural History, Budapest (HNHM), for examination of type specimens of Palaearctic Miridae and lectotype designation. The list below is not a complete list of types preserved in the museum. In some difficult groups I abstained from lectotype designations, some types were on loan in the time of my visit, and for location of some types I did not have sufficient time.

The Heteroptera collection of the Museum is mostly accumulated and identified by the famous Hungarian entomologist Geza Horváth, but in addition to type specimens of most taxa described by him also some types of O.M. Reuter, B. Poppius, and N. Kormilev are represented. The collection includes also many syntypes of species described by contemporaries of Horváth and sent to him in exchange. Carvalho (1980) published information on most types of Miridae from Taiwan described by Poppius. I consider his indications "type" as lectotype designations, because in some species he distinguished "type" and "cotype(s)". However, in a few cases the specimen named by him "type" did not belong to the type series, and such lectotype designation is invalid.

In the list below, for each taxon information is given in the following sequence:

1. The species (variety) name, author, date, name of original genus (for varieties also name of species and rank). Names of taxa for which lectotypes are designated in this paper are asterisked. For bibliographic references see the World catalogue of Miridae by Schuh (1995).

2. Category of types: HT - holotype, LT - lectotype, PLT - paralectotype(s), ST - sytype(s).

3. Number and sex of specimens, state of preservation (for badly damaged specimens only).

4. Mode of preparation: gc - glued on card, gt - glued on triangle, mpn - micropinned, pn - pinned.

5. Label(s). They are separated from each other by oblique stroke and numbered in case of several type specimens with similar labels. Printed labels or their parts are not marked, but printed words before or between handwritten text are marked with [p]. Handwritten labels are marked [h], with addition of the following abbreviations when the handwriting is known: By - Bykov, H - Horváth, Hb - Hoberlandt, K - Kormilev, P - Poppius, R - Reuter, S - Seidenstücker, W - Wagner. Text on the underside of labels is marked [us]; text with red underlining is marked [rl]. Printed label "coll. Horváth" is cited as "CH".

## List of types

\**alacer* Horváth, 1927 (*Myrmecophyes*). LT: ♂, gc, Arus, circ. Lenkoran, 1-8.V.1907/ Mus. Caucas. 26-07/ *M. alacer* n. sp. [h] det. Horváth. PLT: 4 ♀, on 3 pins, similar labels.

\**amplus* Horváth, 1905 (*Deraeocoris ater* var.). LT: ♀, gc, (1) Japonia [p], Tokio [h], Matsumura/ (2) *Deraeocoris ater* Jak. var. *amplus* Horv. [hH]/ (3) *Deraeocoris ater* Jak. v. *amplus* Horv. [h] det. Horváth/ (4) CH. PLT: 2 ♂ [sic!], 1 ♀, as LT but without label (2).

\**antennalis* Reuter, 1904 (*Orthotylus*). LT: ♂, gc, I. Canar. Becker/ Teneriffe, Orotava [p] II, 1901 [h, us]/ *antennalis* [h, rl] det. Reuter/ *Orthotylus antennalis* Reut. [hH]/ *O. antennalis* Reut. [h] det. Horváth. There are in the collection additional 8 specimens of both sexes apparently not examined by Reuter. Currently *Canariocoris* id.

\**arenarius* Horváth, 1884 (*Labops*). LT: ♂, mpn, R.Palota, 30.8.83 [hH]. PLT: 1 ♀, on the same pin. Junior synonym of *Anapus longicornis* Jakovlev, 1882.

\**benardi* Horváth, 1914 (*Heterocordylus*). LT: ♂, gc, Museum Paris, Corse, foret de Valdoniello, prés

la maison fre de Popaja (prairies), G. Benard capt., E.-G. Dehaut, 1909/ Juillet/ alt. 1057 m/ *Heterocordylus benardi* [h] det. Horváth/ CH/ typus. PLT: 1 ♂ with damaged hemelytra, as LT, but with additional label "Heterocordylus benardi Horv." [hH].

\**bipartitus* Horváth, 1884 (*Deraeocoris trifasciatus* var.). LT: ♀, pn, Körtvélyes [p], 24.6.83 [h].

\**carbonarius* Horváth, 1888 (*Sthenarus*). LT: ♂, gc, genitalia glued on card below, (1) Carpathes, Sinaia, Valachie, A.L. Montandon/ (2) *Sthenarus carbonarius* Horv. [h] det. Horváth/ (3) *Sthenarus carbonarius* Horv. [hH]/ (4) CH. PLT: 2 ♂, 1 ♀, as LT, but without label (3). Currently *Phoenicocoris* id.

\**carduellus* Horváth, 1888 (*Psallus*). LT: ♂, pn, Lesina, Novak/ *Psallus carduellus* Horv. [h] det. Horváth/ CH. PLT: 1 ♀ and 1 damaged specimen, as LT. Identification label in Horváth's handwriting is at a pin of a specimen from Neum which is lost. Currently *Nanopsallus* id.

\**carpathicus* Horváth, 1882 (*Poeciloscytus (Systratiotus)*). LT: ♂, gc, Késmárk [p], 1.8.81 [h]. PLT: ♂, gc, Késmárk [p], 3.8.81 [h]. Currently *Polymerus* id.

\**chrysopsilus* Reuter, 1878 (*Psallus*). LT: ♀, head missing, gt, Csorna Kleva, Pável, 75, jul. [h]/ *Psallus chrysopsilus* Reut. [h] det. Horváth/ *Psallus chrysopsilus* Reut. [hR]/ CH.

\**collaris* Horváth, 1907 (*Pycnopterna striata* var.). LT: ♀ (judging from the original description, abdomen missing), reglued on card, Italia, Vallombrosa [hH]/ v. *collaris* H. [hH, r] Coll. Horváth/ *P. striata* L. var. *collaris* Horv. [hH]/ *P. striata* L. v. *collaris* Horv. [h] det. Horváth/ CH. Currently *Miris* id.

\**conformis* Horváth, 1894 (*Maurodactylus nigricornis* var.). LT: ♂, mpn, (1) Caucasus [p], Akstafa [h], 7.6.94 [h, us]/ (2) *M. albidus* Kol. v. *conformis* Horv. [h] det. Horváth/ (3) *albidus* Kol. var. *conformis* Horv. [hH]/ (4) CH. PLT: 1 ♀ on the same pin; 1 ♂ and 1 ♂ on one pin, as LT, but without label (3). Junior synonym of *M. albidus* (Kolenati, 1845).

\**consobrinus* Horváth, 1904 (*Dichrooscytus*). LT: ♀, gc, Kok-Djajak/ Turkestan, Almásy/ *Dichrooscytus consobrinus* Horv. [hH]/ *Dichrooscytus consobrinus* Horv. [h] det. Horváth.

\**conviva* Horváth, 1907 (*Deraeocoris trifasciatus* var.). LT: ♀, pn, Balcan, Corfu, Paganetti '03/ *trifasciatus* L. var. *conviva* Horv. [hH]/ *C. trifasciatus* L. v. *conviva* Horv. [h] det. Horváth/ CH.

\**facetus* Horváth, 1907 (*Laemocoris*). LT: ♀, gc, (1) N. Africa [p], Tunis [h], Matsum./ (2) Typus/ (3) *Laemocoris facetus* Horv. [hH]/ (4) *Laemocoris facetus* Horv. [h] det. Horváth/ (5) CH. PLT: 1 ♀, as LT but without label (3).

\**formosus* Horváth, 1923 (*Mimocoris*). LT: ♂, gc, (1) Corsica, Bocognano, Juli '14, Gulde/ (2) *Mimocoris formosus* Horv. [hH]/ (3) *Mimocoris formosus* Horv. [h] det. Horváth/ (4) CH. PLT: 5 ♀, gc, Corsica, Vizzavona, Juli '14, Gulde/ labels (3) and (4). Junior synonym of *Mimocoris rugicollis* (A. Costa, 1853).

\**frenatus* Horváth, 1894 (*Lygus kalmi* var.). LT: ♀, gc, (1) Armenia [p], Nikolaevka [hH]/ (2) *L. kalmi* L. var. *frenatus* Horv. [hH]/ (3) *Lygus* var. *frenatus* Horv. [h] det. Horváth/ (4) CH. PLT: 1 ♀, as LT, but without label (2). Currently *Orthops frenatus* (Horváth, 1894), **stat. n.** = *O. kalmi* var. *orientalis* (Reuter, 1896), **syn. n.** - Note: The variety discussed

represents a separate species. The same species was described again as *Lygus kalmi* var. *orientalis* Reuter, 1896 from Transcaucasia and Turkestan (lectotype, here designated: ♂, Iskander [= Iskander Kul' Lake in Tadzhikistan], Finnish Zoological Museum, Helsinki). *O. frenatus* differs from *O. kalmi* (Linnaeus, 1758), *O. campestris* (Linnaeus, 1758) and *O. basalis* (Costa, 1853) in the brown line on external side of each tibia from its base to the middle (in the 3 species compared, external side of tibia is entirely pale or with a brown spot at the knee; rarely the brown line is present, but interrupted near the knee) and other details of coloration. *O. frenatus* is found in Armenia (Charentsevan, Erevan), Iran (Tebriz), Turkmenistan, Tadzhikistan, Uzbekistan, Kirgizia, and Kazakhstan.

\**frontosum* Horváth, 1898 (*Piezocranum*). LT: ♀, gc, Algeria [p], Msila [h]/ *frontosum* (type) [h] Coll. Horváth/ *Pachytomella frontosa* Horv. [hH]/ *Pachytomella frontosa* Horv. [h] det. Horváth/ CH/ Holotypus [Holo added by Josifov]/ *Dasysestus sordidus* Fb. Josifov det. [hJ]. Junior synonym of *Dasysestus sordidus* Fieber, 1864.

\**heterocerus* Horváth, 1927 (*Myrmecophyes*). LT: ♂, gc, Caucasus, Armen. Geb., Leder, Reitter/ *M. heterocerus* Horv. [h] det. Horváth/ typus/ Lectotypus [p] *Myrmecophyes heterocerus* Horv., Bykov det. 68 [hBy]. PLT: 1 ♂, 8 ♀, 2 larvae, as LT, but "Paralectotypus" in the last label. - Note: LT designation was not published by Bykov.

\**hueeberi* Horváth, 1907 (*Calocoris pilicornis* var.). LT: ♂, gt, (1) Germania, Tuttlingen [hH]/ (2) *C. pilicornis* Pz. v. *Hueeberi* [h] det. Horváth/ (3) *pilicornis* Pz. var. *Hueeberi* Horv. [hH]/ (4) CH. PLT: ♂, gt, Germania [p], Blaubeuren [hH]/ labels (2) and (4).

\**instabilis* Reuter, 1904 (*Psallus*). LT: ♂, gc, (1) I. Canar., Becker/ (2) Teneriffe, Orotava [p], 1901 II (h, us)/ (3) *instabilis* R. [h, r] det. Reuter/ (4) *Psallus instabilis* Reut. [hR]/ (5) *P. instabilis* Reut. [h] det. Horváth. PLT: ♂, as LT, but "1901 I" and without label (4). Currently *Lindbergopsallus* id.

\**jakowleffi* Horváth, 1906 (*Chorosomella*). LT: ♂, gc, (1) Tauria [p], Eupatoria [hH]/ (2) *Chorosomella jakowleffi* Horv. [h] det. Horváth/ (3) *Chorosomella jakowleffi* Horv. [hH]/ (4) CH. PLT: 2 ♀, as LT but without label (3).

\**larvatus* Horváth, 1884 (*Deraeocoris olivaceus* var.). LT: ♂, pn, Nagymihály [p], Chyzer, 1881 [h].

\**longipennis* Horváth, 1909 (*Tuponia*). LT: ♂, gc, I. Canar., Becker/ Teneriffe, Guimar [p], 1901 III [h, us]/ *longipennis* [h, r] det. Horváth/ *Tuponia longipennis* [h] det. Horváth/ *Tuponia longipennis* Horv. [hH]/ CH.

\**micantulus* Horváth, 1905 (*Halticus*). LT: ♂, gc, (1) Japonia, Matsumura/ (2) Sendai [hH]/ (3) *Halticus micantulus* Horv. [hH]/ (4) *Halticus micantulus* Horv. [h] det. Horváth/ CH. PLT: 2 ♂, as LT but without label (3). Currently *Ectmetopterus* id.

\**moestus* Reuter, 1876 (*Criocoris*). LT: ♀, gt, Buda [p] 8.7.74 [hH]/ *moestus* Rt. (type) [hH]/ *Criocoris sulcicornis* Kb. [h] det. Horváth/ CH. Junior synonym of *C. sulcicornis* (Kirschbaum, 1856).

*montandoni* Reuter, 1899 (*Macrotylus*). Represented in HNHM by 1 teneral female from Plžinešti with identification label handwritten by Horváth. The original description was made apparently from

one female specimen ("in specimine") collected by Montandon in Plăinești ("Plaineschi"). Sienkiewicz (1964: 22, 23) indicated as "Type" a specimen in the Bucharest Museum from Grădiștea (which is not the type locality) and listed 5 specimens in MGAB from Plăinești under *Acrotelus caspicus*. Wagner (1973: 107) designated the female in HNHM as LT. The latter was also accepted as "typ." by Josifov (1993: 56). However the HNHM specimen is hardly that examined by Reuter. It has no darkening ("nebulo") on corium and the antennae (for which Reuter indicated the length of 2nd segment) are turned under the body, covered by glue and not seen. Junior synonym of *Acrotelus caspicus* (Reuter, 1879).

\**novaki* Horváth, 1885 (*Deraeocoris schach* var.). LT: ♂, gc, (1) Spalato, Reitter, 79 [hH]/ (2) *C. schach* Fabr. var. *Novaki* Horv. [hH]/ (3) *Capsus schach* Fabr. v. *Novaki* Horv. [h] det. Horváth/ (4) CH. PLT: 1 ♂, 1 ♀, pn, Lesina, Novak/ labels (3) and (4); 1 ♀, pn, Lesina (Novak) [hH]/ labels (3) and (4); 1 ♂, 1 ♀, gc, Dalmatia, Spalato [hH]/ labels (3) and (4); 1 ♀, Dalmatian, Ragusa, Reitter/ labels (3) and (4).

\**pallidicornis* Horváth, 1904 (*Maurodactylus albidus* var.). LT: ♀, gc, (1) Ilysk/ (2) Turkestan, Almásy [p] 15 V [h, us]/ (3) *albidus* Kol. var. *pallidicornis* [hH]/ (4) *M. albidus* v. *pallidicornis* Horv. [h] det. Horváth. PLT: 11 ♀, as LT, but without label (3); 1 ♀, as other LT but Kok-Dschigdé instead Ilysk and dated 27.V.

\**pallidulus* Reuter, 1904 (*Orthotylus*). LT: ♀, gc, Austria [p], Wien [h], Prater, 24.5.99 [hH, us]/ *pallidulus* Rt. [h, rl] Coll. Horváth/ *Orthotylus pallidulus* Reut. [h] det. Horváth/ *Orthotylus pallidulus* Reut. [hH]/ CH.

\**pallidus* Horváth, 1905 (*Deraeocoris*). LT: ♀, gc, Ins. Jesso, Sapporo/ Japonia, Matsumura/ *Deraeocoris pallidus* Horv. [hH]/ *Deraeocoris pallidus* Horv. [h] det. Horváth/ CH. Valid name: *D. kerzhneri* Josifov, 1983.

\**pallidus* Horváth, 1887 (*Miridius*). LT: ♂, mpn, Duino, 15.6.84 [hH]/ *Miridius pallidus* Horv. [h] det. Horváth/ CH. PLT: 1 ♂ and 1 ♀ on one pin, as LT; 1 ♂ and 1 ♀ on one pin, as LT, but with additional label "Miridius pallidus Horv." [hH].

\**pectoralis* Horváth, 1904 (*Anapus*). The holotype of this species, a male from Przhheval'sk, was examined. The following synonymy is established: *Anapus kirschbaumi* (Stål, 1858) = *A. pectoralis* Horváth, 1904, *syn. n.*

\**pekinensis* Horváth, 1901 (*Polymerus*). LT: ♀, gc, China, Peking/ Exp. Zichy, leg. Csiki/ *Polymerus pekinensis* Horv. [hH]/ *P. pekinensis* Horv. [h] det. Horváth.

\**pernix* Horváth, 1906 (*Cyphodema*). LT: ♀, reglued on card, genitalia on a separate card [typical preparation by Seidenstücker], Konia bis Kaisarie/ Asia min. Penther '02/ *Cyphodema pernix* Horv. [h] det. Horváth/ CH. PLT: 2 ♂, 1 ♀, as LT, one of these males with additional label "Cyphodema pernix Horv. [hH]". Two additional syntypes were destroyed by dermestids.

\**persimilis* Poppius, 1915 (*Allodapus*). LT: ♂ (sic!), gc, Formosa, Sauter/ Takao/ *Allodapus persimilis* n. sp. [hP]. Currently *Halodapus* id. - Note: Poppius stated in the original description that he described the species from two females deposited in the museums in Helsinki and Budapest respectively. Carvalho

(1980) published notes on the specimen in Budapest. Schuh (1984) stated that the "holotype ... has been lost", only a pin with labels remained. Apparently he had in mind the specimen in Helsinki collection.

\**pontica* Horváth, 1888 (*Byrsoptera*). LT: ♂, gc, (1) Tauria Retowski [p], Friedenthal, 25.VI.86 [h, us]/ (2) *pontica* Horv. (type) [h] Coll. Horváth/ (3) *Byrsoptera pontica* Horv. [h] det. Horváth/ (4) *Byrsopterapontica* Horv. [hH]/ (5) CH. PLT: 1 ♀, as LT, but without label (4). Currently *Orthonotus* id.

\**punctigera* Horváth, 1881 (*Pachytoma*). It is not clear from the original description whether it was based on one or more specimens; actually 4 ♀ (and 2 larvae) are in HNHM. Currently *Dimorphocoris* id.

\**putoni* Horváth, 1888 (*Calocoris*). LT: ♂, gc, Syrien, Kaifa, Reitter/ *Calocoris putoni* Horv. [hH]/ *Calocoris putoni* Horv. [h] det. Horváth/ CH/ typus. - Note: A similarly labelled second male belongs to Horváth's var. β and cannot be considered type.

\**regalis* Horváth, 1884 (*Deraeocoris trifasciatus* var.). LT: ♀, pn, Gödöllő [p], Gammel, 1875 [h]. PLT: 1 ♀, pn, Körtvélyes [p], 12.6.83 [h].

\**retovskii* Reuter, 1885 (*Plagiognathus*). LT: ♀, gc, Thauria, Retowski [p], Theodosia, 24.5.83 [h, us]/ *Plagiognathus retovskii* Reut. [h] det. Horváth/ *Plagiognathus retovskii* Reut. Typ [hR]/ CH. Junior synonym of *P. bicolor* (Jakovlev, 1880).

\**reuteri* Horváth, 1882 (*Calocoris*). Wagner (1968: 158) designated a lectotype, but did not label the specimen accordingly. I added respective label to the following specimen: ♂, reglued on card by Wagner, Brussa, Merkl, 1882/ *Calocoris reuteri* Horv. [hH]/ *Calocoris reuteri* Horv. [h] det. Horváth/ CH/ typus.

\**rivalis* Horváth, 1894 (*Oncotylus*). LT: ♂, reglued on card by Seidenstücker, with original card pinned below, (1) Armenia [p], Nikolaevka [h], 15.6.93 [h, us]/ (2) *Oncotylus rivalis* Horv. [hH]/ (3) CH/ (4) *Oncotylus rivalis* Horv. [h] det. Horváth/ (5) *rivalis* Horv. (type) [h] Coll. Horváth/ (6) *Oncotylus rivalis* Horv. [h]/ (7) Coll. Mus. Nat. Hung./ (8) *Thermocoris rivalis* (Horv.) [hS] det. Seidenstücker 1957. PLT: 1 ♀, gc, labels (1), (5), (4), (6), (3). Currently *Thermocoris* id.

\**rubriceps* Horváth, 1907 (*Deraeocoris trifasciatus* var.). LT: ♀, gc, Caucas [p], Borshom [h]/ *trifasciatus* L. var. *rubriceps* Horv. [hH]/ *C. trifasciatus* L. v. *rubriceps* Horv. det. Horváth/ CH.

\**rubrinerve* Horváth, 1905 (*Stenodema*). LT: ♀, gc, (1) Japonia [p] Tokio [h] Matsumura/ (2) *Miris rubrinervis* [h] det. Horváth/ (3) *Miris rubrinervis* [hH]/ (4) CH. PLT: 1 ♀, as LT, but without label (3).

\**ruffemur* Horváth, 1911 (*Calocoris sexpunctatus* var.). LT: ♀, gc, Tunisia, Vibert/ Camp de la Santé [hH]/ *sexpunctatus* Fabr. var. *ruffemur* Horv. [hH]/ *C. sexpunctatus* Fabr. v. *ruffemur* Horv. [h] det. Horváth/ CH. Junior synonym of *C. nemoralis* (Fabricius, 1787).

\**rutilans* Horváth, 1888 (*Lygus*). LT: ♀, mpn, (1) Innsbruck, Thalh., 1887 [hH]/ (2) *rutilans* H. [hH, rl], Coll. Horváth/ (3) *L. pratensis* L. v. *rutilans* Horv. [h] det. Horváth/ (4) CH/ (5) *Lygus rutilans* Horv. Lectotype design. by Štys 62 [hŠt]/ (6) *Lygus punctatus* Ztt. ♀ det. Štys [hŠt]. PLT: ♀ with labels (1), (2), (6) and "pratensis L. var. rutilans Horv." [hH]. Junior synonym of *Lygus punctatus* (Zetterstedt, 1838). - Note: LT designation was not published by Štys.

\**sanguineotincta* Reuter, 1904 (*Psallus instabilis* var.). LT: ♀, gc, I. Canar., Becker/ Teneriffe, Orotava [p], 1901 I (h, us)/ *instabilis* Reut. v. *sanguineotincta* [h, rl] det. Reuter/ *instabilis* Reut. var. *sanguineotinctus* Rt. [hR]/ (5) *instabilis* v. *sanguineotinctus* Reut. [h] det. Horváth. Currently *Lindbergopsallus* id.

*satrapes* Horváth, 1907 (*Megalocoleus*). The species was described from males and females collected at Ain-el-Hadjar, Hammam-bou-Hadjar, Bou-Thelis, Tarfaia, and El-Kantour. Wagner (1972: 121) indicated as "Typus" a specimen from HNHM collected at Boufarik, but the only specimen in HNHM is a female labelled Hadjar, Alg., Forel [h]/ *Megalocoleus satrapes* Horv. [h] det. Horváth/ *Megalocoleus satrapes* Horv. [hH]/ CH/ Holotypus [Holo handwritten, possibly by Wagner]. It is apparently the specimen examined by Wagner. Junior synonym of *M. lunula* (Fieber, 1861).

\**seminitens* Horváth, 1904 (*Scirtetellus*). LT: ♂, gc, Turkestan, Almásy/ Santasch VII.6 [h]/ *seminitens* [hH, rl] det. Horváth/ *Scirtetellus seminitens* Horv. [hH]/ *Scirtetellus seminitens* Horv. [h] det. Horváth/ CH.

\**seminulum* Horváth, 1898 (*Piezocranum*). LT: ♀, gc, Hispania, Ciudad Real/ *seminulum* (type) [h] Coll. Horváth/ *Piezocranum seminumulum* Horv. [hH]/ *Piezocranum seminumulum* Horv. [h] det. Horváth/ CH/ typos.

*setiger* Reuter, 1896 (*Phytocoris*). Wagner (1967) wrote that he designated as LT a male from Lesina glued on one card with a female. Actually the species was described from females. One specimen in HNHM is a topotypical male with genitalia prepared by Wagner, but Wagner's labels "♂ Lectotypus" and "♀ Paratypoid" are under two females on one card. The specimen at the left is glued on its back and its ovipositor is clearly visible. It is evident that it is the specimen at the right, with the abdomen less clearly seen, which was misinterpreted by Wagner as male. Accordingly, I consider the specimen at the right as LT. The two specimens are labelled as follows: Lesina, Novak/ *setiger* Reut. type [hH]/ *Phytocoris setiger* Reut. [h] det. Horváth/ *Phytocoris setiger* Reut. [hH]/ CH/ ♂ [h] Lectotypus [p] *Phytocoris setiger* Reut. [hW] E. Wagner/ ♀ [hW] Paratypoid [p] *Phytocoris setiger* Reut. [hW] E. Wagner.

\**simulans* Horváth, 1918 (*Camponotidea fieberi* var.). LT: ♂, Asia min. Dr. Lendl/ Eregli 1906 VII/ *Fieberi* Reut. var. *simulans* Horv. [hH]. PLT: 2 ♂, 5 ♀ from Konia, Eregli and Skutari.

*skopljensis* Kormilev, 1939 (*Systellonotus*). STS: 1 ♂, gc, Skoplje, 10.V.932, NK [hK]; 1 ♀, gc, D. Nerezi (SK), 7.5.39, NK [hK]; 1 ♀, gc, Skoplje, 28.V.933, NK [hK]; all specimens labelled "*Systellonotus kiritshenkoi* Popp. = *skopljensis* Kor. [hHb] det. Hoberlandt 1962". Junior synonym of *S. discoidalis* (Horváth, 1894).

\**styx* Reuter, 1908 (*Orthocephalus*). LT: ♂, gc, (1) Askabad [hR]/ (2) Spec. typ./ (3) *Orthocephalus styx* Reut. [hR] O.M. Reuter det./ (4) *Orthocephalus styx* Reut. [h] det. Horváth/ (5) CH. PLT: ♀, as LT, but without label (3).

*taivanus* Poppius, 1915 (*Lygus*). Examination of the lectotype (Carvalho, 1980, as "typus") and paralectotypes allows us to precise the systematic po-

sition of this species: *Lygocoris* (*Lygocoris*) *taivanus* (Poppius, 1915), **comb. n.**

*taurica* Horváth, 1880 (*Pachytoma*). HT: ♀, gt, Tauria, Retowski [p], Theodosia, 1879 [h, us]/ *Dimorphocoris tauricus* Horv. [h] det. Horváth/ CH. Currently *Dimorphocoris* id. - Note: there are 1 ♂ and 3 ♀ with similar labels in HNHM; Horváth's identification label and museum label "type" are under the male, but the species was described from one female; two of the females were collected 13.VI.1880 and 24.V.1883 respectively and cannot be considered types (the original description was published in October 1880).

\**thoracicus* Horváth, 1909 (*Cyrtorhinus parviceps* var.). LT: ♀, gc, I. Canar., Becker/ Teneriffe, Orotava [p], 1901 IV [h, us]/ *parviceps* Rt. var. *thoracicus* [h, rl] det. Horváth/ *C. parviceps* Reut. v. *thoracicus* Horv. [h] det. Horváth [h] det. Horváth/ CH. Currently *Tytthus* id.

\**vittatus* Horváth, 1876 (*Lopus*). LT: ♂, gc (reglued by Schmitz), abdomen and genitalia in preparations, original labels "Pável" [hH] and "Pietrosz, 1875 jul. [hH]" glued by Schmitz on one card/ *Horvathia hieroglyphica* (Muls. et Rey), ♂, G. Schmitz det. 1973 [h]. Junior synonym of *Horvathia hieroglyphica* (Mulsant & Rey, 1852).

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