

Type specimens of Miridae described by Ph.R. Uhler from Japan (Heteroptera)

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Information on the sex and locality of holotypes of *Lygus* [now *Alloeotomus*] *simpplus* Uhl. and *Dicyphus* [now *Onomaus*] *lautus* Uhl. is given. The conflict between designated neotype and rediscovered original type material of *Calocoris* [now *Adelphocoris*] *variabilis* Uhl. is discussed.

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Uhler (1896) published a paper on Hemiptera from Japan presented to the U.S. National Museum of Natural History (USNM) by Prof. K. Mizukuri. Three new species of Miridae were described in this paper. Uhler indicated the number of specimens, but neither their sex nor localities where they were collected. For each species he indicated "Type. - No. ..., U.S.N.M.". It is very probable that the latter statements were added by editors (in other papers, Uhler did not designate types) and that the labels with respective numbers were added to specimens by O. Heidemann, then curator of the Hemiptera collection in the USNM (the numbers are handwritten by him, not by Uhler), but these published statements are equivalent to holotype designations and so interpreted below. The type specimens are kept in the USNM and were examined by the authors. The dates on the labels indicate the year in Meiji era [25 = 1892 A.D.], month and day. The names of localities given in Japanese are transliterated here. All localities are in environs of Gifu (Honshu). The following abbreviations are used in characteristics of the labels: h - handwritten, p - printed, st - stamped, rl - red type label. On carded specimens, the collecting labels are placed on

the verso side of cards. Labels added by authors of this paper are not cited.

Lygus simpplus Uhler, 1896. Described from two specimens with indication "Type. - No. 3116, U.S.N.M.". Holotype: ♀, carded, labelled "25.7.6, Gifu Mts" [h], "*Lygus simpplus* Uhler" [h], "Type No. 3116 U.S.N.M." [rl]. Paratype not located. Present combination: *Alloeotomus simpplus*.

Dicyphus lautus Uhler, 1896. Described from nine specimens with indication "Type. - No. 3101, U.S.N.M.". Holotype: ♀, carded, labelled "25.7.18, Ibuki" [h], "1255" [h], "*Dicyphus lautus* Uhler" [h], "Type No. 3101 U.S.N.M." [rl]. Paratypes not located. Present combination: *Onomaus lautus*.

Calocoris variabilis Uhler, 1896. Described from ten specimens with indication "Type. - No. 3102, U.S.N.M.". Some colour variants were described by Uhler after the main description. Eight specimens of the original type series were found in the USNM, most of them in the "unidentified material". They belong to five species of two genera, as follows: (1) *Adelphocoris variabilis* (Uhler, 1896) (corresponds to the main description and subsequent interpretation, e.g. by Yasunaga, 1990): 1 ♂, carded, "25.7.29, Ibuki

Mts, ♀ [sic]” [st]; 1 ♂, 1 ♀, pinned, “Japan, Mitsukuri” [p], “25.7.18, Ibuki” [h]; (2) *A. suturalis* (Jakovlev, 1882): 1 ♂, carded, “25.8.0, Ibuki Mts” [st], “*Calocoris variabilis* Uhler, Japan” [handwritten by Uhler]; 1 ♀, pinned, “Japan, Mitsukuri” [p], “25.8.0, Ibuki Mts, ♀” [st]; (3) *A. reichelii* (Fieber, 1836): 1 ♀, pinned, “Japan, Mitsukuri” [p], “25.7.29, Ibuki Mts, ♀” [st]; (4) *A. tenebrosus* (Reuter, 1875): 1 ♀, carded, “25.7.29, Ibuki Mts, ♀” [st]; (5) *Orientalis tricolor* (Scott, 1880): 1 ♂, carded, “25.7.29, Ibuki Mts, ♂” [st], “*Calocoris variabilis* Uhler” [handwritten by Heidemann], “Type No. 3102 U.S.N.M.” [rl].

T. Yasunaga received from the USNM for examination three presumed type specimens of *C. variabilis* (the other were not revealed at that time). They belonged to *Orientalis tricolor*, *Adelphocoris suturalis* and *A. triannulatus* (Stål, 1858) respectively. As none of them fitted the main description by Uhler and subsequent usage of the name, Yasunaga (1993) designated a neotype from recently collected material. Actually, the specimen of *A. triannulatus*, judging from its labels, did not belong to the type series, but the other two do so. Moreover, the specimen

belonging to *Orientalis tricolor* (see above) should be formally considered as the holotype, but in that case *A. variabilis* will remain without name. As there is a conflict between the neotype and re-discovered original type material, the case should be addressed to the International Commission on Zoological Nomenclature.

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