

New synonymies in the East Palaearctic Miridae (Heteroptera)

T. Yasunaga & I.M. Kerzhner

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The following new synonymies are established: *Bryocoris* Fallén, 1829 = *Cobalorrhynchus* Reuter, 1906; *B. biquadrangulifer* (Reuter, 1906), comb. n. = *B. convexicollis* Hsiao, 1941; *Cheilocapsus* Kirkaldy, 1902 = *Parapantilius* Reuter, 1903; *Cheilocapsidea* Poppius, 1915, gen. dist. (not syn. of *Creontiades* Distant, 1883) = *Carvalhopantilius* Yasunaga, 1995. *Cheilocapsus miyamotoi* Yasunaga, nom. n. is proposed for *Parapantilius flavomarginatus* Miyamoto & Yasunaga, 1989.

T. Yasunaga, Biological Laboratory, Hokkaido University of Education, Ainosato 5-3-1, Sapporo, 002 Japan.

I.M. Kerzhner, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St.Petersburg 190034, Russia.

Bryocoris Fallén, 1829 (type species *Capsus pteridis* Fallén, 1807) = *Cobalorrhynchus* Reuter, 1906 (type species *Cobalorrhynchus biquadrangulifer* Reuter, 1906), **syn. n.** See the species synonymy below.

Bryocoris biquadrangulifer (Reuter, 1906), **comb. n.** (*Cobalorrhynchus*) = *B. convexicollis* Hsiao, 1941, **syn. n.** The above synonymies are based on comparison of the holotype of *C. biquadrangulifer* (Zool. Inst. St.Petersburg) with the original description of *B. convexicollis*.

Cheilocapsus Kirkaldy, 1902 = *Parapantilius* Reuter, 1903, **syn. n.** *Cheilocapsus* was described for a single species, *Ch. flavomarginatus* Kirkaldy, 1902 from Burma. The lectotype of this species (designated here, badly damaged female, labelled "Birmania, Chan Yoma, Gribodo" [handwritten] and "*Cheilocapsus flavomarginatus* Kirk. ♀ type" [handwritten by Kirkaldy], Zool. Museum Helsinki) was examined by the senior author who dissected its genitalia. It proved to be a species very closely related to *Parapantilius taiwanicus*. Accordingly, the above generic synonymy is established and the species of *Parapantilius* are transferred to *Cheilocapsus* with replacement of one resulting secondary homonym: *Cheilocapsus tibetanus* (Reuter, 1903), **comb. n.**, *Cheilocapsus taiwanicus* (Yasunaga, 1994), **comb. n.**, *Cheilocapsus miyamotoi* Yasunaga, **nom. n.** (= *Parapantilius flavomarginatus* Miyamoto & Yasunaga, 1989, a junior secondary homonym of *Cheilocapsus flavomarginatus* Kirkaldy, 1902).

Cheilocapsidea Poppius, 1915, gen. dist. (not synonym of *Creontiades* Distant, 1883) = *Carvalhopan-*

tilius Yasunaga, 1995, **syn. n.** *Cheilocapsidea* was described for a single species, *Megacoelum insignis* Distant, 1909 from India. The holotype of this species (female, labelled "United Provinces, Mussoorie, Distant Coll., 1911-383", Mus. Nat. Hist. London) and the specimen examined by Poppius when describing the new genus (male, labelled "Museum Paris, Kurseong, R. Oberthür, 1899" and "*Cheilocapsidea* gen. n. *insignis* (Dist.)", Zool. Mus. Helsinki) have been examined by the senior author. The examination shows that *Cheilocapsidea* is not a junior synonym of *Creontiades* as given by Carvalho (1952), but a senior synonym of the recently described genus *Carvalhopantilius*. Accordingly, new combinations should be established: *Cheilocapsidea pura* (Yasunaga, 1995), **comb. n.** for *Carvalhopantilius purus*, and *Cheilocapsidea rufescens* (Yasunaga, 1995), **comb. n.** for *Carvalhopantilius rufescens*. Both latter species are from Taiwan and not synonymous with the type species.

Redescriptions of *Cheilocapsus flavomarginatus* and *Cheilocapsidea insignis* will be published by the senior author separately.

Reference

Carvalho, J.C.M. 1952. On the major classification of the Miridae (Hemiptera). (With keys to subfamilies and tribes and a catalogue of the world genera). *An. Acad. Brasil. Ci.*, 24: 31-110.

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