

## Nomenclature in the genus *Phorastes* Kirkaldy, 1900 (Heteroptera: Reduviidae, Peiratinae)

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ABSTRACT. — Obviously, confusion has arisen in the denomination of the two known species of the genus *Phorastes* Kirkaldy, 1900, leaving one of them unnamed. Consequently, *Phorastes boehringeri* Prosen & Martínez, 1960, is synonymised with *Cimex femoratus* Degeer, 1773. The other species is here named *Phorastes incognitus* nova species.

Degeer<sup>1)</sup> described *Cimex femoratus* after a Surinam specimen in 1773. The species was placed by Stål in *Phorus* in 1862, renamed to *Phorastes* by Kirkaldy in 1900. (See for complete synonymy and literature: Lent & Jurberg, 1966: 297, 303.)

Prosen & Martínez, 1960, described *Phorastes boehringeri* which allegedly could be distinguished from what they considered to be the "especie genotípica" by the colour patterns of the hemelytra, antennae and legs. They illustrated their paper with a coloured figure of the male holotype.

Lent & Jurberg published in 1966 a richly illustrated revision of the genus in which they also studied the genital characters, recognizing only two species: *femoratus* Degeer, and *boehringeri* Prosen & Martínez.

The author studied Degeer's holotype in the Stockholm Museum in 1964, and made a coloured diapostive from the specimen which is reproduced here in black and white (fig. 1). At the same occasion he compared topotypic specimens with the type. It now turned out that the specimen Prosen & Martínez described and depicted as *boehringeri*, in fact belongs to Degeer's *femoratus*. Obviously they regarded the other south Brazilian species as the "especie genotípica". So this species remained unnamed and undescribed, while *boehringeri* must be regarded as a junior synonym of *femoratus*.

Presumably misled by Prosen & Martínez' paper, also Lent & Jurberg wrongly interpreted Degeer's species concept. This regrettable mistake of names, however, does not alter the value of the essential aspects of their revision.

The two species can easily be distinguished by the following characters, also manifest in the figures 2 and 4 on page 299 of Lent & Jurberg's paper, made respectively after a south Brazilian and a Surinam specimen. The former species, *Phorastes incognitus* nova species, has the pronotal hind lobe red, the mid-femora black, and the clavus almost entirely yellowish.

The latter, *Phorastes femoratus* (Degeer), has the pronotal hind lobe black, the mid-femora red, and the clavus for their basal  $\frac{2}{3}$  black. The correct synonymy should be as follows:

*Phorastes femoratus* (Degeer) (fig. 1)

*Cimex femoratus* Degeer, 1773: 346-347, pl. 35, figs. 4-6.

*Cimex arcuatus* Gmelin, 1788, 1 (4): 2181.

*Phorus femoratus*; Stål, 1862: 458.

*Phorus femoratus*; Stål, 1866: 255.

*Pirates lepidus* Walker, 1873: 101, 105.

*Phorastes femoratus*; Kirkaldy, 1900: 243.

*Phorastes boehringeri* Prosen & Martínez, 1960: 91-93, pl. Nov. syn.

*Phorastes boehringeri*; Lent & Jurberg, 1966: 308, figs. 4, 6, 8, 10, 12, 14, 16, 33-54.

<sup>1)</sup> For the correct rendering of Carl Degeer's surname, see: R. L. Coe, 1943. — *Ent. mon. Mag.* 79: 151-152.



Fig. 1. *Cimex femoratus* Degeer, 1773, holotype, ♀, clearly showing the black posterior lobe of the pronotum, and the for  $\frac{2}{3}$  black clavus (clavus of the partly detached right wing is folded upwards).

Fig. 2. *Phorastes incognitus* n. sp., holotype, ♂, showing the red pronotal hind lobe and the light coloured clavus. Photographs taken by the author.

Material studied. — Holotype of *Cimex femoratus* Degeer, ♀, 147/81 [Suriname] (Naturhistoriska Riksmuseet, Stockholm). Holotype of *Pirates lepidus* Walker, ♀, Para (British Museum (Natural History), London). 1 ♀, Suriname, Wederzorg, 24.VI.1938, D. C. Geijskes (det. H. C. Blöte). 4 ♂, 3 ♀, Suriname, Kabelstation, bank of Suriname River, in grass bunches, 18-22.X.1958; 1 ♀, id. id., 19.V.1961, P. H. van Doesburg (Rijksmuseum van Natuurlijke Historie, Leiden). 1 ♂, Brasil, Misiones, Eldorado, 11.1963, P. Wygodzinsky, No. 1726 Hemiptera (Instituto Oswaldo Cruz, Rio de Janeiro). 1 ♀, Argentina, Santa Fé (Chaco), Las Ganzas, bords du Rio las Ganzas, 25 kil. à l'O d'Ocampo, E. R. Wagner, 1903 (det. R. Jeannel) (Muséum National d'Histoire Naturelle, Paris). 1 ♀, Porto Vello [? Pôrto Velho, Guaporé, Brasil], I. '12, Benton (American Museum of Natural History, New York).

*Phorastes incognitus* nova species (fig. 2)

"especie genotípica"; Prosen & Martínez, 1960: 93.

*Phorastes femoratus*; Lent & Jurberg (nec Degeer), 1966: 303 (listed, synonymy), figs. 2 (dorsal aspect), 3, 5, 7, 9, 11, 13, 15, 18-32 (genitalia, abdomen).

Similar to *P. femoratus* (Degeer) in size, habitus, structures and ornamentation except for the following differences: constriction behind shoulders ("waist") less accentuated; scutellum with less deep impressions; head, anterior lobe of pronotum, scutellum, and underside of the thorax black with a bluish lustre; pronotum and scutellum a little more shining than in *femoratus*; fore femora and hind lobe of pronotum red, middle femora brownish black; fore wings: entire exocorium, base of clavus, anal- and cross veins red, rest of clavus yellow with the mid-

dle  $\frac{1}{3}$  white, and with a dark streak near the scutellum; endocorium yellow, broadly white distally, with some small dark marks between; rest of wing similar to that of *femoratus*. Abdominal and genital characters as described and depicted by Lent & Jurberg under *femoratus*. Measurements (in mm): holotype, total length: 11.6, including wings: 11.8; length of fore wings: 8.25; width of head: 1.23, pronotum: 2.34, waist: 1.74, abdomen: 2.60; length of antennal segments, 1: 0.57, 2: 1.6, 3: 1.4, 4: -; allotype, total length: 11.0, width of head: 1.17, pronotum: 2.08, waist: 1.77, abdomen: 2.46; length of fore wings (not surpassing tip of abdomen): 6.9; length of antennal segments, 1: 0.46, 2: 1.3, 3: 1.3, 4: -.

Material studied. — Holotype (fig. 2), ♂, Amparo (São Paulo), S. Brasil, E. le Moul. Allotype, Cuyaba, Mtt. Grosso, Brasil. Holotype and allotype are in the collection of the Rijksmuseum van Natuurlijke Historie, Leiden. Paratypes: 1 ♂, Misiones, env. de San-Ignacio, Villa Lutecia, E. R. Wagner, 1910 (Muséum National d'Histoire Naturelle, Paris). 1 ♂, Brasil, Supergasbras, Campinas, SP, BR, 07.XII.1978, T. R. G. Silva/ZUEC 3089 (Museum Unicamp, Campinas). 1 ♂, Columb. Mer. 3233 (Museum für Naturkunde, Berlin). 1 ♀, Riacho del Oro, W. Sörensen (Zoologisk Museum, Copenhagen). 1 ♀, Bolivia, Prov. Sara, Steinbach/Phorastes femoratus DeGeer, det. H. G. Barber (American Museum of Natural History, New York). 1 ♂, Brasil; 1 ♀, Venezuela, Merida; 1 ♀, Panama, Boucard (Naturhistoriska Riksmuseet, Stockholm).

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