

# The identity of the Spinola Collection Corixidae (Heteroptera)

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In a catalogue prepared on the Hemiptera of the Massimiliano Spinola Collection in the Torino Museum, Italy, 16 species were placed under the generic name *Corixa*, and two under the generic name *Sigara*. In ten of the taxa, the author was claimed to have been Spinola himself. However, only two valid taxa have been generally accepted, and the rest are either synonymic or only collection names. The present paper reveals the true identity of all the species of the Corixidae in the Spinola Collection.

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Casale (1981) published a catalogue on the Hemiptera of the Massimiliano Spinola Collection preserved in Torino Museum, Italy. This catalogue included altogether 18 taxa of Corixidae, 16 of which were placed under the generic name *Corixa*, and two under *Sigara*. Since the list included several previously unpublished names, I decided to investigate the material to find out the identity of the taxa. In the following, the taxa are listed in the order given by Casale (1981): each entry is as it appears in the catalogue with the code numbers followed by explanations of the codes (= the author of the taxon, collecting locality, origin of the material, and the number of specimens, i.e. data from the collection boxes, not necessarily affixed to pins of the specimens). Separated by a colon, the true identity of each taxon follows with possible data affixed to the pins. Notes on synonymy, taxonomic status and other possible information are given at the end of the entries.

## Genus *Corixa*

*fossarum*, 44, 147, 20, 1 = Zetterstedt [correct author is Leach], Lapponia, Dahlbom, 1 ex.:

1♂ of *Sigara striata* (Linnaeus, 1758) with no label data affixed.

*undulata*, 391, 202, 20, 2 = Sahlberg [correct author is Fallén], Sweden, Dahlbom, 2 exx.: 1♀ *Sigara nigrolineata nigrolineata* (Fieber, 1848) and 1♂ *S. semistriata* (Fieber, 1848) with no label data affixed. — Note: *Sigara undulata* Fallén, 1814 is a synonym of *S. striata* (Linnaeus, 1758) (Jansson 1986b:72).

*albiceps*, 1, 53, 1, 1 = Spinola, Cap Bonne Espérance (= Cape of Good Hope), Buquet, 1 ex.: 1♂ of *Sigara wahlbergi* Lundblad, 1928, with head, pronotum and fore legs missing, no label data affixed. — Note: *C. albiceps* is a collection name, description never published.

*griseola*, 1, 53, 1, 4 = Spinola, Cap Bonne Espérance (= Cape of Good Hope), Buquet, 4 exx.: 3♂♂ (one without abdomen and one with genital capsule glued separately on card) and 1♀ of *Micronecta scutellaris pubescens* Hutchinson, 1940, with no label data affixed. — Note: *C. griseola* is a collection name, description never published. *Micronecta griseola* Horváth, 1899, is a completely different and valid species.

*carinata*, 391, 202, 20, 1 = Sahlberg, Sweden, Dahlbom, 1 ex.: 1♂ of *Arctocoris germari* (Fieber, 1848) with no label data affixed; speci-

men mostly eaten up by dermestids, but abdomen with genitalia remaining allow positive identification.

*foveiceps* [sic!], 1, 52, 32, 1 = Spinola (1852:234), Chile, Gay, 1 ex.: *Sigara forciceps* (Spinola), holotype male (described from a single specimen) with no label data affixed. — Note: Redescribed as *Sigara rehi* Jaczewski, 1930:147 and as *Sigara argentiniensis chichinal* Bachmann, 1960:38 (synonyms by Bachmann 1986:33).

*hieroglyphica*, 52, 208, 24, 5 and 52, 23, 95, 1 = Dufour, S. Séver, Dufour, 5 exx. and Dufour, Egypt, Waltl, 1 ex.: 1♂ 4♀♀ of *Corixa punctata* (Illiger, 1807), one of the females carrying handwritten labels “134 ?” and “Geoffroyi Fall. Suecia D. Dlbm” (= *geoffroyi* sensu Fallén from Sweden donated by Dahlbom) and 1♂ of *Corixa affinis* Leach, 1817 with no label data affixed. — Note: The label on the female from Sweden reveals that Casale (1981) had incorrect information about the collecting locality of this specimen. *Corixa geoffroyi* Leach, 1817 is a rejected and synonymic name for *C. punctata* (Illiger, 1807) (Opinion 281), while *Corisa hieroglyphica* Dufour, 1833 is a synonym of *Sigara* (*Vermicorixa*) *lateralis* (Leach, 1817) (China 1938).

*striata*, 1, 5/125, 0, 4 = Spinola (1837:57 [1840:57]), Germany/Italy, origin unknown, 4 exx.: 1♂ 1♀ of *Hesperocorixa sahlbergi* (Fieber, 1848) on one pin labeled “Suecia”; 1♂ and 1♀ of *H. sahlbergi* on separate pins labeled “Allemagne” and “Italie”; 1♂ of *H. linnaei* without label data. — Note: Altogether five specimens, which is one more than Casale (1981) listed, and also the collecting data (partly Sweden) differ from that given by Casale. Junior secondary homonym of *Notonecta striata* Linnaeus, 1758, no further action needed (Jansson 1986b).

*schellenbergii* [sic!], 1, 125, 0, 2 = Spinola (1837:57 [1840:57]), Italy, origin unknown, 2 exx.: 1♀ *Arctocorisa* sp. (damaged) and 1♀ *Callicorixa praeusta* (Fieber, 1848) without label data. — Note: Spinola gave a replacement name to “*Sigara striata* Fabr.” sensu Schellenberg (1800), which was conspecific with *S. distincta* (Fieber, 1848) (Jansson 1986b); the name was rejected as an unused senior synonym (Jansson 1987, Opinion 1524/1989).

*immaculata*, 1, 233, 35, 1: Spinola, Madagascar, Goudot, 1 ex.: 1♀ *Agraptocorixa gestroi*

(Kirkaldy, 1898), right hemelytron missing and no label data affixed. — Note: *C. immaculata* is a collection name, description never published.

*5-fasciata*, 1, 44, 23, 1: Spinola, Bombay, Dupont, 1 ex.: 1♀ *Sigara indica* (Hutchinson, 1940) with no label data affixed. — Note: *C. quinquefasciata* is a collection name, description never published.

*dorsimaculata*, 1, 154, 23, 1 = Spinola, Mexico, Dupont, 1 ex.: 1♂ *Corisella mercenaria* (Say, 1832) with no label data. — Note: *C. dorsimaculata* is a collection name, description never published.

*minuta*, 59, 125/33, 40, 5 = Fabricius, Bavaria/Italy, Gribodo, 5 exx.: 1♂ *Sigara limitata limitata* (Fieber, 1848) with hand-written label “*Corixa regularis* H.Sch. Germania”, and 3♂♂ 1♀ *Sigara lateralis* (Leach, 1817) with no label data. — Note: *Sigara minuta* Fabricius, 1794, is conspecific with *Micronecta griseola* Horváth, 1899, but has been rejected as an unused senior synonym (Jansson 1986a, Opinion 1491/1988). *Corixa regularis* Herrich-Schäffer, 1853, is a junior synonym of *Hesperocorixa linnaei* (Fieber, 1848) (Westhoff 1880, Jaczewski 1939).

*hellenis* [sic!], 391, 33, 78, 2 = Sahlberg, Bavaria, Sturm, 2 exx.: 1♀ of *Sigara hellensii* (C. Sahlberg, 1819) and 1♂ of *S. semistriata* (Fieber, 1848) with no label data on either specimen.

*coleoprata*, 59, 33, 78/40, 4 = Fabricius, Bavaria, Sturm/Gribodo, 4 exx.: 1♂ and 3♀♀ *Cymatia coleoprata* (Fabricius, 1777), one of the females with the label “Suecia”, others without label data. — Note: Collecting locality (at least one specimen from Sweden) differs from that given by Casale (1981).

*antillarum*, 1, 27, 22, 3 = Spinola, Antilles, Deyrolles, 3 exx.: 2♂♂ and 1♀ *Centrocorisa nigripennis* (Fabricius, 1803) without label data. — Note: *C. antillarum* is a collection name, description never published.

## Genus *Sigara*

*minutissima*, 144, 207, 0, 2 = Linnaeus, Sardinia, origin unknown, 2 exx.: 1♂ 1♀ of *Micronecta scholtzi* (Fieber, 1860) without label data.

*leucocephala*, 1, 207, 36, 2: Spinola (1837:59 [1840:59]), Sardinia, Gené, 2 exx.: *Micronecta*

*leucocephala* (Spinola, 1837) lectotype and paralectotype (Jansson 1986b:14), both brachypterous females with type status designation labels but no further data.

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