



Catalog of Nabidae (Hemiptera: Heteroptera) for the Neotropical Region

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Abstract

The Nabidae (Hemiptera) of the Neotropical Region are cataloged. A total of 12 genera and 83 species are listed together with their synonyms. References are given to the original descriptions and the subsequent taxonomic position, the location of types, and the geographic distribution. A comprehensive bibliography is provided.

Key words: Nabidae, catalog, Neotropical, taxonomy, distribution

Introduction

The Nabidae have been placed within the superfamily Cimicoidea in the infraorder Cimicomorpha (Leston et al. 1954, Schuh & Stys 1991). Most species are of moderate size, only occasionally exceeding 10 mm in length. Many are elongate and of drab coloration, whereas others are more stout and may possess distinctive red and black color patterns. The first pair of legs is slightly enlarged and have a fossula spongiosa used to capture their prey. They are commonly known as “damsel bugs” because of the movement made when their front legs are raised. Lattin (1989) gave an exhaustive review of the biology of nabids. They are active predators found in leaf litter and upon plants. Nabinae appear to be predators on a wide variety of small arthropods including aphids, larvae and adults of the Hemiptera, thrips, caterpillars, and acari; whereas Prostemmatinae appear to prey exclusively on other Heteroptera, especially Lygaeidae.

Nabids insert their eggs into plant tissue with only the operculum remaining visible (Braman 2000).

Many species are numerically important in agricultural systems such as soybean, cotton, alfalfa, and tobacco. Heteropteran predators in soybean, including *Nabis* spp., may comprise 40–89% of the total predatory insects (Irwing and Shepard, 1980).

There is no clear consensus concerning organization of the major subdivisions of the family. Stål (1873) provided the first useful classification, recognizing three subfamilies: Nabina, Coriscina, and Pachynomina. Carayon (1970), Kerzhner (1981), and Péricart (1987) recognized four subfamilies: Medocostinae, Velocipedinae, Nabinae, and Prostemmatinae. We follow the subfamily classification of Schuh & Stys (1991) in defining the Nabidae as including only the Nabinae and Prostemmatinae. They defined the nabids on the basis of 4-segmented labium, membrane venation, and the presence of Ekblom's organ. Kerzhner's (1981) classification is followed for the tribes.

The subfamily Nabinae is classified into four tribes: Arachnocorini, Carthasini, Gorpini, and Nabini, which are united by the presence of moderately long labial segments, the lack of scutellar trichobothria, and opening of pygophore oriented dorsad. The subfamily Prostemmatinae is divided into the Phorticini and Prostemmatini, each with only two genera, both of which possess scutellar trichobothria and have the posterior foramen of the pygophore in a caudal or ventral position. Prostemmatini is considered to be more primitive (Kerzhner 1981, 1996).

The family includes 20 genera and about 500 species distributed worldwide (Schuh & Slater, 1995). For the Palearctic Region, 9 genera and 123 species are known (Kerzhner, 1996). For Canada and the continental

United States there are 10 genera and 41 species cited (Henry and Lattin, 1988; Kerzhner and Henry, 2008). In the Neotropical Region there are only a partial catalog for Argentina, 2 genera and 7 species (Pennington, 1920–1921); Ecuador, 2 genera and 4 species (Froeschner, 1981); Galápagos, 1 genus and 3 species (Froeschner, 1985); and Panama, 10 genera and 17 species (Froeschner, 1999). In this catalog, 12 genera and 83 species are listed.

Present information for the Nabidae is scarce. Consequently, taxonomic determination has become a difficult task, because characters of relevant importance, such as the external morphological and genital structures, have been hardly used. Therefore, the number of valid species may be different from the ones described so far. It is therefore of enormous importance to gather new samples. Knowledge about biology and taxonomy of this group is fundamental to developing future programs in integrated pest control.

This work represents the first nabid catalog for the Neotropical Region and it includes all bibliographical data for this group. The data herein contained is essential to the knowledge of Nabidae biodiversity.

Materials and methods

The information used in this catalog was taken from publications cited in Zoological Record, along with a vast bibliographic revision. All the names, years of publications, page numbers, distribution data, and data on type material have been checked with the original literature.

Data are provided on the correct scientific names, taxonomy, synonyms, distribution, and published references. Type material deposition and abbreviation of the institution are also provided. In the cases where type deposition is not mentioned, we indicate “Type depository not specified.” Sex of the type material is given if it was mentioned in the original description or other sources.

Abbreviations

List of type specimen depositories

AMNH	American Museum of Natural History, New York, N. Y., U.S.A.
BMNH	The Natural History Museum, London, Great Britain.
CMNH	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania, U.S.A.
DEIC	Deutsche Entomologisches Institut, Eberswalde, Germany.
LSUK	The Linnean Society of London, England, Great Britain.
MCAS	California Academy of Sciences, San Francisco, USA.
MLP	Museo de La Plata, Universidad Nacional de La Plata, Buenos Aires, Argentina.
NHRS	Swedish Museum of Natural History, Stockholm, Sweden.
RMNH	Rijksmuseum van Natuurlijke Historie, Leiden.
UNAM	Instituto de Biología, Universidad Nacional Autónoma de México, México.
USNM	National Museum of Natural History, Smithsonian Institution, Washington, DC, U.S.A.
ZIH	Zoological Institute, Academy of Sciences of Cuba, Havana, Cuba.
ZMB	Zoological Museum, Berlin, Germany.

Family Nabidae Costa 1853

Subfamily Nabinae Costa 1853

Tribe Arachnocrini Reuter 1890

Genus *Arachnocris* Scott 1881

Arachnocris Scott, 1881. Entomologist's Monthly Magazine, 17: 272. Type species: *Arachnocris albomaculatus* Scott, monotypic.

alboannulatus Costa Lima, 1927

Arachnocris alboannulatus Costa Lima, 1927. *Scientia Medica* (Rio de Janeiro), 5: 541. Brazil. (Type depository not specified)

albomaculatus Scott, 1881

Arachnocris albomaculatus Scott, 1881. Entomologist's Monthly Magazine, 17: 273. Holotype (BMNH). Brazil.

berytoides Uhler, 1894

Arachnocris berytoides Uhler, 1894. Proceedings of the Zoological Society, 207. Holotype (BMNH). Grenada. Puerto Rico.

dispar Scott, 1881

Arachnocris dispar Scott, 1881. Entomologist's Monthly Magazine, 17: 273. Brazil. (Type depository not specified)

eberhardi Kerzhner, 1990

Arachnocris eberhardi Kerzhner, 1990. Journal of the New York Entomological Society, 98: 134–348. Holotype (AMNH). Costa Rica.

karukerae Lopez, 1990

Arachnocris karukerae Lopez, 1990. Bulletin de la Société Sciences Naturelle, 65: 3. Guadeloupe. Martinique. (Type depository not specified)

myersi China, 1946

Arachnocris myersi China, 1946. Annals and Magazine of Natural History, (11)13: 119–122. Brazil (Type depository not specified)

panamensis (Distant, 1893)

Herdonius panamensis Distant, 1893. *Biologia Centrali-Americana*, 46: 419. Holotype (BMNH).

Arachnocris panamensis: Bergroth, 1914. Entomologist's Monthly Magazine, 25: 117.

Arachnocris albomaculatus: Bergroth, 1914. Entomologist's Monthly Magazine, 25: 117. Myers, 1925. Journal New York Entomological Society, 33: 136–146. Harris, 1928. *Entomologica Americana*, 9: 29. Panama.

setosus Kerzhner, 1990

Arachnocoris setosus Kerzhner, 1990. Journal New York Entomological Society, 98: 135. Holotype (AMNH). Costa Rica.

simoni Bergroth, 1899

Arachnocoris simoni Bergroth, 1899. Bulletin de la Société Entomologique de France, 295. Venezuela. (Type depository not specified)

torquatus Bergroth, 1914

Arachnocoris torquatus Bergroth, 1914. Entomologist's Monthly Magazine, 50: 117. Venezuela. (Type depository not specified)

trinitatis Bergroth, 1916

Arachnocoris trinitatis Bergroth, 1916. Proceedings of the United States National Museum, 51: 232. Holotype (USNM). Trinidad.

Tribe Carthasini Blatchley 1926

Genus *Praecarthisis* Kerzhner 1986

Praecarthisis Kerzhner, 1986. Journal New York Entomological Society, 94(2): 181. Type species: *Nabis panamensis* Harris, original designation.

froeschneri Kerzhner, 1986

Praecarthisis froeschneri Kerzhner, 1986. Journal New York Entomological Society, 94(2): 189. Male Holotype (AMNH). Brazil: Matto Grosso. Ecuador: Pastaza. Peru: Junin (Satipo).

gibbus Kerzhner, 1986

Praecarthisis gibbus Kerzhner, 1986. Journal New York Entomological Society, 94(2): 187. Male Holotype (AMNH). Ecuador: Pastaza (Ashuara Indian Village about 10 km from Rio Morena), Rio Macuna (10 km from Rio Morena). Panama: Barro Colorado. Peru: Junin (San Ramón de Pangoa, Satipo), Cuzco.

nigrescens Kerzhner, 1986

Praecarthisis nigrescens Kerzhner, 1986. Journal New York Entomological Society, 94(2): 185. Male Holotype (AMNH). Brazil: Matto Grosso, Pará (Jacareacanga). Peru: Junin (Satipo).

panamensis (Harris, 1926)

Nabis panamensis Harris, 1926. Proceedings of the United States National Museum, 69: 3. Harris, 1928. Entomologica Americana, 9: 46.

Praecarthisis panamensis: Kerzhner, 1986. Journal New York Entomological Society, 94(2): 184. Male Holotype (USNM). Panama: Porto Bello.

paprzyckii Kerzhner, 1986

Praecarthasis paprzyckii Kerzhner, 1986. Journal New York Entomological Society, 94(2): 185. Male Holotype (USNM). Peru: Junin (Satipo), Huánuco (Tingo Maria).

pusillus Kerzhner, 1986

Praecarthasis pusillus Kerzhner, 1986. Journal New York Entomological Society, 94(2): 185. Male Holotype (AMNH). Brazil: Rio de Janeiro (Conceição de Macabu).

Genus *Carthasis* Champion 1900

Carthasis Champion, 1900. Biologia Centrali-Americana, 2: 306. Type species: *Carthasis rufonotatus* Champion, monotypic.

championi Harris, 1928

Carthasis championi Harris, 1928. Entomologica Americana, 9: 76. Panama: David, Chiriqui. (Type depository not specified)

rufonotatus Champion, 1900

Carthasis rufonotatus Champion, 1900. Biologia Centrali-Americana, 2: 306. Panama: Bugaba, Caldera, Tole. Barber, 1916. Journal of New York Entomological Society, 24: 308. Panama. Harris, 1928. Entomologica Americana, 9: 81. Panama: Caldera. (Type depository not specified)

Tribe Gorpini Reuter 1909**Genus *Neogorpis* Barber 1924**

Neogorpis Barber, 1924. Journal of New York Entomological Society, 31: 136. Type species: *Gorpis neotropicalis* Barber, monotypic.

spinicollis Kerzhner, 1986

Neogorpis spinicollis Kerzhner, 1986. Journal New York Entomological Society, 94(2): 190. Female Holotype (AMNH). Panama: Barro Colorado., Canal Zone, Porto Bello.

Tribe Nabini Costa 1890**Genus *Aphelonotus* Uhler 1894**

Aphelonotus Uhler, 1894. Proceedings of the Zoological Society, 208. Type species: *Aphelonotus simplicis*, monotypic.

Aphelonotus: Champion, 1899. Biologia Centrali-Americana, 2: 297.

Aphelonotus: Reuter, 1908. Mémoires de la Société Entomologique de Belgique, 15: 91.

Aphelonotus: Harris, 1928. Entomologia Americana, 9: 3.

confusus Harris, 1931

Aphelonotus confusus Harris, 1931a. Bulletin of the Brooklyn Entomological Society, 26: 16. Female Holotype (USNM). Brazil: Madeira River above Manaus.

fraterculus Harris, 1931

Aphelonotus fraterculus Harris, 1931a. Bulletin of the Brooklyn Entomological Society, 26: 18. Male Holotype (USNM). Ecuador: Guayaquil. Guatemala. Panama: Río Trinidad, Canal Zone.

major Harris, 1931

Aphelonotus major Harris, 1931a. Bulletin of the Brooklyn Entomological Society, 26: 19. Female Holotype (USNM). Brazil: Teffe.

medius Harris, 1931

Aphelonotus medius Harris, 1931a. Bulletin of the Brooklyn Entomological Society, 26: 18. Male Holotype (USNM). Brazil: Madeira River above Manaus.

simplus Uhler, 1894

Aphelonotus simplus Uhler, 1894. Proceedings of the Zoological Society, 209. Champion, 1900. Biologia Centrali-Americana, 2: 297. Guatemala: Paraiso near Champerico and Paso Antonio. Antilles: Grenada. Harris, 1931a. Bulletin of the Brooklyn Entomological Society, 26: 17. Cotype (USNM). Brazil: Mato Grosso. Paraguay: Chaco

Genus *Hoplistoscelis* Reuter 1890

Hoplistoscelis Reuter, 1890. Revue d'Entomologie, 9: 295. Type species: *Nabis sericans* Reuter, designated by Van Duzee, 1916: 32.

confusa Kerzhner and Henry, 2008

Hoplistoscelis pallescens (not Reuter 1872): Kerzhner, 1993. Zoosystematica Rossica, 1:40

Hoplistoscelis sp. n.: Kerzhner, 2007. Zoosystematica Rossica, 16: 232 (note).

Hoplistoscelis confusa Kerzhner and Henry, 2008. Proceedings of the Entomological Society of Washington, 110(4): 989. Male Holotype (USNM). Colombia. Costa Rica. Dominican Republic. El Salvador. Grenada. Grenadines. Guatemala. Haiti. Honduras. Jamaica. México: Chiapas, Guerrero, Michoacan, Morelos, Oaxaca, San Luis Potosi, Sinaloa, Tabasco, Veracruz. Panama. Puerto Rico. Venezuela.

dentipes (Harris, 1928)

Nabis crassipes Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar, 29(6): 83. Female Lectotype brachypterous (NHRS).

Nabis dentipes Harris, 1928. Entomologica Americana, 9: 34–43.

Hoplistoscelis dentipes Kerzhner, 1993. Zoosystematica Rossica, 1: 41. México.

nigriventris (Stål, 1862)

Nabis nigriventris Stål, 1862a. Entomologische Zeitung, 23: 458. Mexico. Champion, 1899. Biologia Centrali-Americana, 2: 303. (Type depository not specified)

Coriscus nigriventris: Uhler, 1876. Bulletin of the United States Geological and Geographical Survey of the Territories, 1: 236.

Nabis (Hoplistoscelis) nigriventris : Reuter, 1890. Revue d'Entomologie, 9: 296.

Reduviolus (Hoplistoscelis) nigriventris : Reuter, 1908. Mémoires de la Société Entomologique de Belgique, 15: 99. Mexico.

pallescens (Reuter, 1872)

Nabis pallescens Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Förhandlingar, 29(6): 85. Holotype (NHRS).

Hoplistoscelis pallescens Kerzhner, 1993. Zoosystematica Rossica, 1: 40. Central America. Costa Rica. Venezuela. West Indies.

sericans (Reuter, 1872)

Nabis sericans Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Förhandlingar, 29(6): 83. Holotype (NHRS)

Nabis nigriventris: Champion (not Stål, 1862), 1899. Biologia Centrali-Americana, 2: 302. Guatemala: Capetillo, Cerro Zunil, Guatemala city, Quezaltenango. Mexico: Amula, Chilpancingo, Cuernavaca, Guerrero, Mexico city, Omilteme, Orizaba, Xucumanatlan

Nabis deceptivus Harris, 1928. Entomologica Americana, 9: 45.

Hoplistoscelis sericans: Kerzhner, 1986. Journal New York Entomological Society, 94(2): 191.

sordida (Reuter, 1872)

Nabis sordidus Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Förhandlingar, 29(6): 85. Holotype (NHRS). Champion, 1899. Biologia Centrali-Americana, 2: 303. Costa Rica: Volcán de Irazá. Guatemala: Vera Paz, Capetillo. México: Atoyac, Cuernavaca, Guerrero, Orizaba, San Marcos, Teapa, Vera Cruz. Panama: Volcán de Chiriquí. Harris, 1930. Annals of the Carnegie Museum, 19: 241–248. Brazil. Eastern North American. Guatemala. México. Panama. West Indies.

Hoplistoscelis sordida: Kerzhner, 1993. Zoosystematica Rossica, 1: 39. Central and South America from central part of México to Argentina. West Indies.

Genus Lasiomerus Reuter 1890

Nabis (Lasiomerus) Reuter, 1890. Revue d'Entomologie, 9: 305. Type species: *Nabis annulatus* Reuter, original designation.

Lasiomerus Kerzhner, 1963. Acta Entomologica Musei Nationalis Pragae, 35: 6.

andabata Kerzhner, 1993

Nabis signatus "brachypterous form" Champion, 1899. Biologia Centrali-Americana, 2: 304, fig. 32. Panama: Bugaba. México: Teapa.

Nabis spinicrus "brachypterous form" Blatchley, 1926. Heteroptera or True Bugs of Eastern North America,

with special reference to the faunas of Indiana and Florida, 596. Harris, 1928. *Entomologica Americana*, 9: 34–37.

Lasiomerus andabata Kerzhner, 1993. *Zoosystematica Rossica*, 1: 37. Male Holotype (USNM). Guatemala. México.

constrictus (Champion, 1899)

Nabis (Hoplistoscelis) constrictus Champion, 1899. *Biologia Centrali-Americana*, 2: 303. Holotype (BMNH). Guatemala. México. Panama: Volcan de Chiriqui.

Nabis constrictus: Blatchley, 1926. *Heteroptera or True Bugs of Eastern North America*, with especial reference to the faunas of Indiana and Florida, 596. Panama.

Nabis (Lasiomerus) constrictus: Harris, 1928. *Entomologica Americana*, 9: 51. Panama.

Lasiomerus constrictus: Henry and Lattin, 1988. *Catalog of the Heteroptera, or True Bugs, of Canada and the Continental United States*, pp 512. México to Panama.

signatus (Uhler, 1894)

Coriscus signatus Uhler, 1894. *Proceedings of the Zoological Society London*, 205. Antilles: Grenada.

Nabis signatus Champion, 1899. *Biologia Centrali-Americana*, 2: 304. Holotype (BMNH). México: Teapa. Panama: Bugaba.

Reduviolus spinicrus (in part) Reuter, 1908. *Mémoires de la Société Entomologique de Belgique*, 15: 304.

Nabis spinicrus Harris (not Reuter, 1890) 1928. *Entomologica Americana*, 9: 47.

Lasiomerus signatus Kerzhner, 1986. *Journal New York Entomological Society*, 94(2): 191.

spinicrus (Reuter, 1890)

Nabis (Acanthonabis) spinicrus Reuter, 1890. *Revue d'Entomologie*, 9: 305. Brazil. Harris, 1926. *Proceedings of the United States National Museum*, 69: 2. Harris, 1930. *Annals of the Carnegie Museum*, 19: 247. Brazil. Cuba. Grenada. Guadeloupe. Haïti. Panama. (Type depository not specified)

Nabis (Hoplistoscelis) signatus Champion, 1899. *Biologia Centrali-Americana*, 2: 304. México. Panama: Bugaba. Antilles.

Nabis (Lasiomerus) spinicrus Harris, 1928. *Entomologica Americana*, 9: 47. Panama.

Lasiomerus spinicrus: Henry and Lattin, 1988. México to Brazil.

Genus *Metatropiphorus* Reuter 1872

Metatropiphorus Reuter, 1872. *Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar*, 29(6):93. Type species: *Metatropiphorus belfragii* Reuter, 1872, monotypic.

alvarengai Kerzhner, 1987

Metatropiphorus alvarengai Kerzhner, 1987. *Journal New York Entomological Society*, 95(4): 569. Male Holotype (AMNH). Argentina: Buenos Aires. Brazil: Mato Grosso, Bahia, Santa Catarina. Surinam: Moengo.

Genus *Nabis* Latreille 1802

Nabis Latreille, 1802. *Histoire naturelle*, 3: 248. Type species: *Cimex fesus*. Fieber, 1860. *Die europäischen Hemiptera*: 159. Reuter, 1872. *Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar*,

29(6): 80. Reuter, 1890. *Revue d'Entomologie*, 9: 293.

Coriscus Stål, 1873. *Köngliga Svenska Vetenskaps-Akademiens Handlingar*, 11(2): 111–112.

argentinus Meyer-Dür, 1870

Nabis argentinus Meyer-Dür, 1870. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*, 3: 177. Female Lectotype (AMNH). Argentina: Harris, 1939. *Notas del Museo de La Plata*. Tomo IV. *Zoologia*, 26: 373. Argentina: Buenos Aires, Mendoza. Uruguay: Montevideo. Ruffinelli & Pirán, 1956. *Boletín de la Facultad de Agronomía de Montevideo*, 51: 40. Uruguay: Artigas, Canelones, Colonia, Durazno, Maldonado, Montevideo, Paisandú.

Coriscus argentinus Stål, 1873. *Köngliga Svenska Vetenskaps-Akademiens Handlingar*, 11(2): 114.

Nabis punctipennis Berg, 1879. *Anales de la Sociedad Científica Argentina*, 9: 143. Berg, 1892. *Annales de la Sociedad Científica Argentina* 34: 104. Pennington, 1920. *Lista de los Hemipteros Heterópteros de la República Argentina*. Segunda Parte: 26.

crassipes Reuter, 1872

Nabis crassipes (brachypterous form) Reuter, 1872. *Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar*, 6: 83. México: Sallé. Female Holotype (NHRS). Champion, 1899. *Biologia Centrali-Americana*, 2:302. Guatemala: Guerrero, Morelos.

Nabis (Hoplistoscelis) crassipes Reuter, 1890. *Revue d'Entomologie*, 9: 297. México: Sallé.

faminei Stål, 1859

Nabis faminei Stål, 1859. *Kongliga Svenska Fregattens Eugenies Resa Omkring Jorden, III (Zoologi, Insekter)*, 4: 260. Lectotype (NHRS). Argentina: Patagonia. Reuter, 1872. *Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar*, 29(6): 92. Argentina: Patagonia. Berg, 1879. *Anales de la Sociedad Científica Argentina*: 145. Argentina: Patagonia. Pennington, 1921. *Lista de los Hemipteros de la República Argentina*. Segunda parte: 26. Harris, 1939. *Notas del Museo de La Plata*. Tomo IV. *Zoologia*, 26: 372. Argentina: Tierra del Fuego. Prado, 2008. *Boletín del Museo Nacional de Historia Natural Chile*, 57: 44. Chile.

Nabis punctipennis Reuter, 1908. *Mémoires de la Société Entomologique de Belgique*, 15: 122.

ferus (Linnaeus, 1758)

Cimex ferus Linnaeus, 1758. *Laurentii Salvii Holmiae*, 1: 449. Holotype (LSUK?).

Nabis ferus: Champion, 1899. *Biologia Centrali-Americana* 2: 305. Guatemala: Quezaltenango. México: Durango, Guerrero, Orizaba.

galapagoensis Kerzhner, 1968

Nabis galapagoensis Kerzhner, 1968a. *California Academy of Sciences*. Fourth series, 36(4): 86. Male Holotype (MCAS). Ecuador: Galápagos Islands.

paranensis Harris, 1931

Nabis paranensis Harris, 1931b. *Annals of the Zoological Museum of Polonian*. 9(14): 182. Harris, 1939. *Notas del Museo de La Plata*. Tomo IV. *Zoologia*, 26: 374. Argentina: Buenos Aires. Brazil: Parana. (Type depository not specified).

punctipennis Blanchard, 1852

Nabis punctipennis Blanchard, 1852. In Gay, C., editor, Historia Fisica y Politica de Chile. Zoología, 7: 161. Chile. Signoret, 1863. Annales de la Société Entomologique de France, serie 4, 3: 577. Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar, 29(6): 90. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 370–371. Chile. Argentina: Neuquén. Boletín del Museo Nacional de Historia Natural Chile, 57: 44. Continental Chile and Archipelago Juan Fernández. (Type depository not specified).

Nabis parvulus Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar, 29(6): 90–91.

Reduviolus punctipennis: Reuter, 1908. Mémoires de la Société Entomologique de Belgique, 15: 122 (in part).

reductus Kerzhner, 1968

Nabis reductus Kerzhner, 1968a. California Academy of Sciences. Fourth series, 36(4): 90. Male Holotype (MCAS). Ecuador: Galápagos Islands.

roripes Stål, 1860

Nabis roripes Stål, 1860. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 2: 70. Holotype (NHRS). Reuter, 1890. Revue d'Entomologie, 9: 297. Reuter, 1908. Mémoires de la Société Entomologique de Belgique, 15: 99–101. Harris, 1930. Annals of the Carnegie Museum, 19: 246. Brazil: Chapada. Colombia: Pandi (Cundimarca). Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 376. Argentina: Misiones. Brazil. Colombia. Peru: San Juan.

seticrus Harris, 1930

Nabis seticrus Harris, 1930. Annals of the Carnegie Museum, 19:241–248. Male Holotype (CMNH). Argentina: Salta. Brazil: Capada, Rio de Janeiro.

tandilensis Berg, 1884

Nabis tandilensis Berg, 1884. Annales de la Sociedad Cientifica Argentina, 2: 106. Pennington, 1921. Lista de los Hemipteros de la República Argentina. Segunda Parte: 26. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 377. Male Holotype (MLP). Argentina: Tandil.

Subgenus *Nabis* Latreille 1802

Nabis Latreille, 1802 Histoire naturelle, générale et particuliere des Crustacés et des Insectes, 3: 248. Type species: *Cimex ferus* Linnaeus, 1758.

mexicanus Remane, 1964

Nabis mexicanus Remane, 1964. Zoologischer Beitrage, 10: 290. México. Kerzhner and Henry, 2008. Proceedings of the Entomological Society of Washington, 110(4): 1000. México. Guatemala. (Type depository not specified).

Subgenus *Tropiconabis* Kerzhner 1968

Tropiconabis Kerzhner, I.M. 1968b. Entomologicheskoe Obozrenie 47: 852. Type species: *Nabis capsiformis* Germar, 1837 by original designation.

***capsiformis* Germar, 1837**

Nabis capsiformis Germar, 1837. Silbermann's Revue Entomologique, 5: 132. Pennington, 1920–1921. Lista de los Hemipteros Heterópteros de la República Argentina. Segunda Parte: 26. Harris, 1930. Annals of the Carnegie Museum Argentina, 19: 246. Argentina: Buenos Aires, Salta (Río Bermejo). Brazil: Santaren, Corumbá and Rio de Janeiro. Peru: Arica. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 376. Argentina: Buenos Aires, Misiones, Potrerillos, Rio Bermejo, Salto. Brazil: Río de Janeiro, Piporá. Guyana Inglesa. México. Peru: Arica, Lima Uruguay: Montevideo. Ruffinelli & Pirán, 1956. Boletín de la Facultad de Agronomía de Montevideo, 51: 40. Uruguay: Montevideo. Boletín del Museo Nacional de Historia Natural Chile, 57: 44. Continental Chile and Easter Island.

Nabis elongatus Meyer-Dür, 1870. Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 3:178. Female Lectotype (AMNH). Argentina.

Nabis kinbergi Reuter, 1872. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Forhandlingar, 29(6): 90.

Coriscus elongatus Berg, 1879. Anales de la Sociedad Científica Argentina: 144.

Nabis elongatus: Berg, 1892. Anales de la Sociedad Científica Argentina, 33: 104.

***consimilis* Reuter, 1912**

Reduviolus consimilis Reuter, 1912. Öfversigt Finska Vetenskaps-Societetens Forhandlingar, 54: 23–25.

Nabis consimilis: Remane, 1964. Zoologischer Beitrage, 10: 259–260. Kerzhner, 1968a. California. (Type depository not specified). Academy of Sciences. Fourth series, 36(4): 85–91. Ecuador: Galápagos Islands. Peru. Kerzhner and Henry, 2008. Proceedings of the Entomological Society of Washington, 110(4): 1003. Chile. Colombia. Ecuador. Peru.

Nabis punctipennis: (misidentification). Heidemann, 1901. Proceedings of the Washington Academy of Sciences, 3: 366. Barber, 1925. Zoologica, New York Zoological Society, 5(21): 251. Barber, 1934. Nyt Magazin for Naturviden-skaberne, 74: 287. Linsley and Usinger, 1966. Proceedings of the California Academy of Sciences. Fourth series, 33(7): 135.

***latior* Kerzhner and Henry, 2008**

Nabis latior Kerzhner and Henry, 2008. Proceedings of the Entomological Society of Washington, 110(4): 1002. Male Holotype (USNM). Bahamas.

Subfamily Prostematinae Reuter 1890**Tribe Prostematini Reuter 1890****Genus *Alloeorhynchus* Fieber 1860**

Alloeorhynchus Fieber, 1860. Die europäischen Hemiptera. Halbflügler (Rhynchota Heteroptera):43. Type species: *Alloeorhynchus favipes* Fieber, first included species, by Fieber, 1861. Die Europäischen Hemiptera. Halbflügler (Rhynchota Heteroptera): 159.

alayo Kerzhner, 1986

Alloeorhynchus sp.: Alayo, 1967. Museo Felipe Poey de La Academia de Ciencias de Cuba, Trabajos de divulgación, 46: 4. Alayo, 1971. Museo “Felipe Poey” de la Academia de Ciencia de Cuba, Trabajos de divulgación, 63: 4.

Alloeorhynchus alayo Kerzhner, 1986. Journal New York Entomological Society, 94(2): 191. Male Holotype (ZIH). Cuba.

delicatus Harris, 1928

Alloeorhynchus delicatus Harris, 1928. Entomologica Americana, 9: 18. (Type depository not specified). Panama.

trimacula (Stein, 1860)

Prostemma trimacula Stein, 1860. Berliner Entomologische Zeitschrift, 4: 76. México. Holotype (ZMB?)

Alloeorhynchus trimacula Stål, 1873. K ngliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 1–109. M xico: Oaxaca. Champion, 1899. Biologia Centrali-Americana, 2: 300. Guatemala. Panama. Barber, 1922. Proceedings of the Entomological Society of Washington, 24: 104. Panama. Harris, 1928. Entomologica Americana, 9: 14. Panama.

vittativentris St l, 1873

Alloeorhynchus vittativentris St l, 1873. K ngliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 109. Colombia. Champion, 1899. Biologia Centrali-Americana, 2: 300. Panama. Barber, 1922. Proceedings of the Entomological Society of Washington, 24: 104. Panama. (Type depository not specified).

Genus Pagasa St l 1862

Pagasa St l, 1862a. Settiner Entomologische Zeitung, 23: 60. Type species: *Pagasa pallidiceps* St l, 1862, monotypic.

luctosa Van Duzee, 1931

Pagasa luctosa Van Duzee, 1931. Pan-Pacific Entomologist. 7(2): 94. Female Holotype (MCAS). Colombia.

Subgenus Lampropagasa Reuter 1909

Pagasa subg. *Lampropagasa* Reuter in Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 30. Type species: *Prostemma fuscum* Stein, 1857, by original designation.

Pagasa subg. *Parapagasa* Hussey, 1953. Occasional Papers of the Museum Zoology, University of Michigan, 550: 3 (syn. by Kerzhner, 1993: 42). Type species: *Pagasa insperata* Hussey, 1953, by original designation.

cobbeni Kerzhner, 2007

Pagasa cobbeni Kerzhner, 2007. Zoosystematica Rossica, 16: 228. Male Holotype. Netherlands Antilles (Laboratory of Entomology, Agricultural University at Wageningen, the Netherlands). Cura ao Island (Lesser Antilles).

confusa Kerzhner, 1993

Pagasa (Lampropagasa) confusa Kerzhner, 1993. Zoosystematica Rossica, 1: 43. Male Holotype (USNM). Costa Rica. Guatemala. México. Panama. Puerto Rico.

flavipennis Kerzhner, 2008

Pagasa flavipennis Kerzhner, 2008. Zoosystematica Rossica, 17: 40. Holotype (USNM). Bolivia.

fusca (Stein, 1857)

Prostemma fuscum Stein, 1857. Die Gattung *Prostemma* Laporte. Berliner Entomologische Zeitschrift, 1: 90. Female Holotype probably in Zool. Mus. Berlin, not examined by Kerzhner (1992).

Pagasa nitida Stål, 1873. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 108. Female Lectotype (NHRS).

Pagasa fusca: Champion, 1899. Biologia Centrali-Americana, 2: 299. Guatemala. México. Panama.

Pagasa (Lampropagasa) fusca: Kerzhner, 1993. Zoosystematica Rossica, 1:42. Guatemala. México. Panama. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 38. México. Guatemala.

fuscipennis Reuter, 1909

Pagasa nitida Berg, 1884. Annales de la Sociedad Científica Argentina, 2: 105.

Pagasa fuscipennis Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 30. Pennington, 1921. Lista de los Hemipteros de la República Argentina. Segunda Parte: 26. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoología, 26: 369. Holotype (MLP). Argentina: Buenos Aires, Misiones. Paraguay. Uruguay. Ruffinelli & Pirán, 1956. Boletín de la Facultad de Agronomía de Montevideo, 51: 40. Uruguay: Montevideo, Colonia, Soriano. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 38. Argentina. Brazil. Paraguay. Uruguay.

similis Poppius, 1914

Pagasa similis Poppius, 1914. Tijdschrift voor Entomologie, 56: 136. Harris, 1930. Annals of the Carnegie Museum, 19: 245. Brazil: Chapada, Amazonas. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 38. Brazil. Surinam. (Type depository not specified)

Subgenus *Pagasa* Stål 1862

Pagasa Stål, 1862b. Kongliga Svenska Vetenskaps-Akademiens Handlingar, (N.F.), 3(6): 60. Type species: *Prostemma pallidiceps* Stål, 1862, monotypic.

Pagasa (Pagasa) Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 26.

aenescens Stål, 1873

Pagasa aenescens Stål, 1873. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 108.

Reuter and Poppius, 1909: Acta Societatis Scientiarum Fennicae, 37(2): 28. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 44. Male Syntype (NHRS). Brazil. Surinam.

amazonica Poppius, 1914

Pagasa amazonica Poppius, 1914. Tijdschrift voor Entomologie, 56: 135. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 368. Male Holotype (DEI). Brazil: Amazonas. Maranhao. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 50. Brazil. Paraguay. Surinam.

bimaculata Harris, 1930

Pagasa bimaculata Harris, 1930. Annals of the Carnegie Museum, 19: 244. Female Holotype (CMNH). Brazil: Chapada. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 41. Brazil. Panama. Paraguay. Surinam.

brailovskyi Kerzhner, 2008

Pagasa pallipes (non Stål, 1873, brachypterous form): Champion, 1899. Biologia Centrali-Americana, 2: 299. *Pagasa brailovskyi* Kerzhner, 2008. Zoosystematica Rossica, 17: 47. Male Holotype (UNAM). México. Panama.

brunneipes Kerzhner, 2008

Pagasa brunneipes Kerzhner, 2008. Zoosystematica Rossica, 17: 47. Male Holotype (USNM). Brazil.

costalis Reuter, 1909

Pagasa costalis Reuter in: Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 26–29. Argentina: Buenos Aires. Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 368. Paraguay. Uruguay. Ruffinelli & Pirán, 1956. Boletín de la Facultad de Agronomía de Montevideo, 51: 40. Uruguay: Montevideo. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 48. Argentina. Ecuador. Paraguay. Surinam. Uruguay. (Type depository not specified).

doesburgi Kerzhner, 2008

Pagasa doesburgi Kerzhner, 2008. Zoosystematica Rossica, 17: 43. Male Holotype (RMNH). Surinam.

henryi Kerzhner, 2008

Pagasa henryi Kerzhner, 2008. Zoosystematica Rossica, 17: 43. Female Holotype (USNM). Brazil. Panama. Peru.

luteiceps (Walker, 1873)

Prostemna luteiceps Walker, 1873. Catalogue Catalog of the specimens of Hemiptera Heteroptera in the collection of the British Museum, 7: 135. Holotype (BMNH).

Pagasa luteiceps Champion, 1899. Biologia Centrali-Americana, 2: 298. México: Vera Cruz. Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 26–27. Harris, 1928. Entomologia Americana, 9:21. Brazil: Chapada, Rio de Janeiro. Colombia: Cacagualito. Harris, 1930. Annals of the Carnegie Museum, 19: 243. Brazil: Rio de Janeiro. Colombia: Cacagualito. Panama: Barro Colorado Island. Tobago Island. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 44. Brazil. Colombia. México. Panama. Peru. Surinam. Venezuela.

margaritae Kerzhner, 2008

Pagasa margaritae Kerzhner, 2008. Zoosystematica Rossica, 17: 49. Female Holotype (RMNH). Surinam.

pallidiceps (Stål, 1860)

Prostemma pallidiceps Stål, 1860. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 2: 69.

Pagasa pallidiceps Stål, 1862b. Kongliga Svenska Vetenskaps-Akademiens Handlingar, (N.F.), 3(6):60.
Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 26, 28. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 41. Female Syntype (NHRS). Brazil.

pallipes Stål, 1873

Pagasa pallipes Stål, 1873. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 108. Female Holotype (NHRS). Champion, 1899. Biologia Centrali-Americana 2: 299. Panama: Caldera in Chiriqui.

Pagasa (Pagasa) pallipes Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 29. Cuba. Panama. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 46. Colombia. Costa Rica. Honduras. México. Panama. Venezuela.

planipes Harris, 1939

Pagasa planipes Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 370. Male Holotype (USNM). Peru: Junin. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 50. Peru.

prostemmatoides Kerzhner, 2008

Pagasa prostemmatoides Kerzhner, 2008. Zoosystematica Rossica, 17: 49. Male Holotype (USNM). México. Salvador.

ruficeps (Walker, 1873)

Prostemma ruficeps Walker, 1873. Catalogue of the specimens of Hemiptera Heteroptera in the collection of the British Museum, 7: 135.

Pagasa ruficeps Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 31. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 46. Female Holotype (BMNH). Brazil.

signatipennis Reuter, 1909

Pagasa signatipennis Reuter and Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 26 (Type depository not specified). Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoologia, 26: 369. Brazil: Mato Grosso. Kerzhner & Konstantinov, 2008. Zoosystematica Rossica, 17: 48. Argentina. Bolivia. Brazil. Colombia. Paraguay. Surinam. Venezuela.

Tribe Phorticini Kerzhner 1971**Genus Phorticus Stål 1860**

Phorticus Stål, 1860. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 2: 69. Type species: *Phorticus viduus* Stål, designated by Distant, 1904. Fauna of British India, Including Ceylon, and Burma, 17: 395.

collaris Stål, 1873

Phorticus collaris Stål, 1873. *Königliga Svenska Vetenskaps-Akademiens Handlingar*, 11(2): 109. Holotype (NHRS). Champion, 1899. *Biologia Centrali-Americana*, 2: 301. México. Henry and Lattin, 1988. *Catalog of the Heteroptera, or True Bugs, of Canada and the Continental United States*, pp 520. México.

speciosus Harris, 1928

Phorticus speciosus Harris, 1928. *Entomologica Americana*, 9: 11. Panama. (Type depository not specified)

viduus Stål, 1860

Phorticus viduus Stål, 1860. *Königliga Svenska Vetenskaps-Akademiens Handlingar*, 2: 69. Holotype (NHRS). Costa Lima, 1940. *Insectos do Brasil*, 2: 237. Brazil: Río de Janeiro.

obscuripes Stål, 1860

Phorticus obscuripes Stål, 1860. *Königliga Svenska Vetenskaps-Akademiens Handlingar*, 2: 69. Holotype (NHRS). Costa Lima, 1940. *Insectos do Brasil*, 2:237. Brazil: Río de Janeiro.

Acknowledgments

We want to express our gratitude to Dr I.M. Kerzhner, Zoological Institute St. Petersburg, Russia, for advice; and Dr. T. J. Henry, U.S. Department of Agriculture, Systematic Entomology Laboratory, Washington D.C., for access to the Smithsonian Institutions library and reprint files, and for his help to improve the manuscript, linguistically and conceptually; also to Dr. C. Schaefer for the helpful suggestions in the manuscript. This work was supported by the Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET) and the Universidad Nacional de La Plata (UNLP).

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