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Nomenclatural and bibliographic corrections to the Catalog of Nabidae (Hemiptera: Heteroptera) for the Neotropical Region

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Abstract

The recent catalog of Neotropical Nabidae is corrected and updated. Synonymies, species, and references that were overlooked are now included. 11 genera and 83 species are presently known from this region.

Key words: Heteroptera, Nabidae, Neotropical, catalog, corrections

Introduction

A catalog of the family Nabidae for the Neotropical Region (Volpi & Coscarón, 2010) was recently published, comprising 12 genera and 83 species.

Some papers on the Neotropical fauna were omitted or overlooked; 11 genera and 83 species are presently known from this region.

Material and methods

The information used in this catalog was taken from publications cited in Zoological Record, along with a 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 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

BMNH	The Natural History Museum, London, Great Britain.
MLP	Museo de La Plata, Universidad Nacional de La Plata, Buenos Aires, Argentina.
UNAM	Instituto de Biología, Universidad Nacional Autónoma de México, México.
USNM	National Museum of Natural History, Smithsonian Institution, Washington, DC, U.S.A.
ZMHB	Zoologisches Museum für Naturkunde Berlin

Genus *Arachnocoris* Scott 1881

Twelve species of the genus were cataloged by Volpi and Coscarón (2010). *Arachnocoris karukerae* López, 1990 has been synonymized with *A. berytoides* Uhler, 1894, by Kerzhner (2007).

***berytoides* Uhler, 1894**

Velidia berytoides Uhler, 1894. Proceedings of the Zoological Society, 207. Holotype (BMNH). Grenada. Puerto Rico.
Arachnocoris berytoides Bergroth, 1914. Entomologist's Monthly Magazine, 116
Arachnocoris karukerae López, 1990. Bulletin de la Société Sciences Naturelle, 65: 3. Guadeloupe. Martinique.
Arachnocoris berytoides Kerzhner, 2007. Zoosystematica Rossica, 16 (2): 229

Two additional species of *Arachnocoris* have been described by López (1997) from French Guyana:

***varius* López, 1997**

Arachnocoris varius López, 1997. Lambillionea, I(4): 531, French Guyana (Type depository not specified)

***thesauri* López, 1997**

Arachnocoris thesauri López, 1997. Lambillionea, I(4): 532, French Guyana (Type depository not specified)

Genus *Alloeorhynchus* Fieber 1860

Four species belonging to this genus have been cataloged by Volpi and Coscarón (2010) for the region. One species was overlooked, *Alloerrhynchus moritzi* (Stein, 1860) (Stein, 1860, Kerzhner, 2007), and three additional species have been described by Kerzhner (2007).

***jamaicensis* Kerzhner, 2007**

Alloeorhynchus jamaicensis Kerzhner, 2007. Zoosystematica Rossica, 16(2): 227. Female Holotype (BMNH). Jamaica.

***maldonadoi* Kerzhner, 2007**

Alloeorhynchus maldonadoi Kerzhner, 2007. Zoosystematica Rossica, 16(2): 227. Female Holotype (USNM). Puerto Rico.

***moritzi* (Stein, 1860)**

Prostemma moritzi Stein, 1860. Berliner Entomologische Zeitschrift, 4: 77. Holotype (ZMHB). Saint John.
Alloerhynchus moritzi Stål, 1873. Kongliga Svenska Vetenskaps-Akademiens Handlingar, 11(2): 109. Reuter & Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 40. Kerzhner, 1986. Journal New York Entomological Society, 94(2): 192.
Alloerhynchus armatus Uhler, 1894. Proceedings of the Zoological Society, 207. Grenada. Reuter & Poppius, 1909. Acta Societatis Scientiarum Fennicae, 37(2): 41. Harris, 1928. Entomologica Americana, 9:15. Alayo, 1971. Los Hemipteros de Cuba, adiciones y enmiendas. Museo "Felipe Poey" de La Academia de Ciencia de Cuba, Trabajos de divulgación, 63: 14. Cuba. Woodruff et al., 1998. Checklist and bibliography of the insects of Grenada and the Grenadines, 92.

***slateri* Kerzhner, 2007**

Alloeorhynchus slateri Kerzhner, 2007. Zoosystematica Rossica, 16(2): 226. Male Holotype (UNAM). Jamaica.

Genus *Nabis* Latreille, 1802

The species *tandilensis* was included under *Nabis*, but Berg (1884) described it under *Coriscus*.

tandilensis (Berg, 1884)

Coriscus tandilensis Berg, 1884. Annales de la Sociedad Científica Argentina, 2: 106. Male Holotype (MLP). Argentina: Tandil.

Nabis tandilensis Pennington, 1921. Lista de los Hemipteros de la República Argentina. Segunda Parte: 26.

Nabis tandilensis Harris, 1939. Notas del Museo de La Plata. Tomo IV. Zoología, 26: 377.

Genus *Hoplistoscelis* Reuter 1890

In the genus *Hoplistoscelis* we omitted it as a subgenus

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

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

Excluded from Nabidae:

Family Pachynomidae Stål 1873

We had followed Harris (1931, 1939, 1943) that treated *Aphelonotus* Uhler 1894 as a Nabidae, but this genus has now been included in the small family Pachynomidae Stål, 1873 (Carayon and Villiers, 1968); therefore it must be deleted from the catalog of Neotropical Nabidae.

Some authors have considered the family Pachynomidae as related to the Nabidae (Cobben, 1978), but all analyses have demonstrated that it is the sister group of the Reduviidae (Schuh and Stys, 1991, Schuh et al. 2009, Weirauch & Munro 2009).

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References

- Alayo, P.D. (1971) Los Hemípteros de Cuba, adiciones y enmiendas. Museo "Felipe Poey" de La Academia de Ciencia de Cuba, Trabajos de divulgación, 63, 1–17.
- Berg, C. (1884) Addenda et emendata ad Hemiptera Argentina. *Anales de la Sociedad Científica Argentina*, 2, 97–118.
- Bergroth, E. (1914) Note on the genus *Arachnocoris*, Scott. *Entomologist's Monthly Magazine*, 25, 116–117.
- Carayon, J. & Villiers, A. (1968) Étude sur les Hémiptères Pachynomidae. *Annales de la Société Entomologique de France (N.S.)* 4(3):703–739.
- Cobben, R.H. (1978) *Evolutionary Trends in Heteroptera. Pt. 2. Mouthpart-structures and Feeding Strategies*. Mededlingen Landbouwhogeschool 78-5. H. Veeman, Wageningen, the Netherlands.
- Fieber, F.X. (1860–1861) *Die europäischen Hemiptera. Halbflügler (Rhynchota Heteroptera)*, 1–444. Vienna: Gerold's Sohn. [1860, 1–108; 1861, 109–444].
- Harris, H.M. (1928) A monographic study of the hemipterous family Nabidae as it occurs in North America. *Entomologica Americana*, 9, 1–97.
- Harris, H.M. (1931) The genus *Aphelonotus* (Hemiptera, Nabidae). *Bulletin of the Brooklyn Entomological Society*, 26, 13–19.

- Harris, H.M. (1939) Miscelánea sobre Nabidae Sudamericanos. *Notas del Museo de La Plata. Tomo IV. Zoologia*, 26, 368–377.
- Harris, H.M. (1943) Notes on some species of *Aphelonotus* (Hemiptera: Nabidae). *Entomological News* 54: 259–261.
- Kerzhner, I.M. (1963) Beitrag zur Kenntnis der Unterfamilie Nabinae (Heteroptera: Nabidae). *Acta Entomologica Musei Nationalis Pragae*, 35, 5–61.
- Kerzhner, I.M. (1986) Neotropical Nabidae (Heteroptera), 1: A new genus, some new species, and notes on synonymy. *Journal New York Entomological Society*, 94(2), 180–193.
- Kerzhner, I.M. (2007) Nabidae of the West Indies (Heteroptera). *Zoosystematica Rossica*, 16(2), 225–234.
- Kerzhner, I.M. & Konstantinov, F.V. (2008) Species of the genus *Pagasa* from Central and South America (Heteroptera: Nabidae). *Zoosystematica Rossica*, 17(2), 37–52.
- Latreille, P.A. (1802) Histoire naturelle, générale et particulière des Crustacés et des Insectes. Dufart, Paris, 3, 1–248.
- López, A. (1990) *Arachnocoris karukerae* n.sp. (Hémiptères: Hétéroptères), Nabidae commensal de Pholcidae (Araignées) aux Antilles françaises. *Bulletin de la Société Sciences Naturelle*, 65, 3–7.
- López, A. (1997) Observations systématiques et biologiques sur le genre *Arachnocoris* Scott 1881 (Hétéroptères: Nabidae) Deuxième note. *Lambillionea*, 1 (4), 528–538.
- Pennington, M.S. (1920–1921) Lista de los Hemípteros Heterópteros de la República Argentina. Segunda Parte, 17–28. Buenos Aires.
- Reuter, O.M. (1890) Ad cognitionem Nabidarum. *Revue d'Entomologie*, 9, 289–309.
- Reuter, O.M. & Poppius, B. (1909) Monographia Nabidarum orbis terrestris. *Acta Societatis Scientiarum Fennicae*, 37(2), 1–62.
- Scott, J. (1881) Description of a new genus and two species of Hemiptera-Heteroptera from South America. *Entomologist's Monthly Magazine*, 17, 272–274.
- Schuh, R.T. & Stys, P. (1991) Phylogenetic analysis of cimicomorphan family relationships (Heteroptera). *Journal of the New York Entomological Society*, 99, 298–350.
- Schuh, R.T., C. Weirauch and W.C. Wheeler (2009) Phylogenetic relationships within the Cimicomorpha (Hemiptera: Heteroptera): a total-evidence analysis. *Systematic Entomology*, 34, 15–48.
<http://dx.doi.org/10.1111/j.1365-3113.2008.00436.x>
- Stål, C. (1873) Enumeratio Hemipterorum. Bidrag till en förteckning öfver aller hittills kända Hemiptera, jemte systematiska meddelanden. 3. *Kongliga Svenska Vetenskaps-Akademiens Handlingar*, 11(2), 1–163.
- Stein, J.P.E.F. (1860) Zwei neue *Prostemma*-Arten. *Berliner Entomologische Zeitschrift*, 4, 76–78.
<http://dx.doi.org/10.1002/mmnd.18600040107>
- Uhler, P.R. (1894) On the Hemiptera-Heteroptera of the Island of Grenada, West Indies. *Proceedings of the Zoological Society 1894*, 167–224.
- Van Duzee, E.P. (1916) Check List of the Hemiptera (Excluding Aphididae, Aleurodidae and Coccidae) of America North of Mexico. xi + 110 pages. New York: New York Entomological Society.
- Volpi, L.N & Coscarón, M.C. (2010) Catalog of Nabidae (Hemiptera: Heteroptera) for the Neotropical Region. *Zootaxa*, 2513: 50–68.
- Weirauch, C. & Munro J.B. (2009) Molecular phylogeny of the assassin bugs (Hemiptera: Reduviidae), based on mitochondrial and nuclear ribosomal genes. *Molecular Phylogenetics and Evolution*, 53(1), 287–99.
<http://dx.doi.org/10.1016/j.ympev.2009.05.039>
- Woodruff, R. E., Beck, B. M., Skelley, P.E., Shotman, C.Y.L. & Thomas, M.C. (1998) *Checklist and bibliography of the insects of Grenada and the Grenadines*, 286 pp.