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SCIENTIFIC NOTE

NEW RECORDS FOR NEOTROPICAL TORTOISE BEETLES (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE *SENSU LATO*)

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Two online catalogs of Cassidinae, by Borowiec and Świętojańska (2014) for tortoise beetles and by Staines (2012) for hispiniform species, contribute in many ways to furthering cassidine science. These helped in detecting new records among old collections, gifts, and new fieldwork at the University of Kansas. All specimens are housed in the Snow Entomological Museum Collection (SEMC), University of Kansas, Lawrence, Kansas.

Agroiconota tristriata (F., 1792) (Tribe Cassidini)

This species is known from Argentina, Brazil, French Guiana, Paraguay, Peru, Surinam, Trinidad and Tobago, and Venezuela (Borowiec and Świętojańska 2014). In Venezuela, it is known from the Caribbean provinces of Aragua and Guarico. This is a **new province record**, near Colombia.

VENEZUELA: Apure, 340' 16km W El Salmande, Apure, July 15 1988, C&L O'Brien & G Wibmer [6, SEMC].

Cephaloleia laeta Waterhouse, 1881 (Tribe Imatidiini)

Two **new country records**, Costa Rica and Nicaragua, and the **first host record**, palm flowers (Areceae), are provided. *Cephaloleiini* was synonymized with *Imatidiini* (Monrós and Viana 1947). The tribal name is recognized as *Imatidiini* Hope, 1840 (Bouchard *et al.* 2011) but is indicated as *Imatidiini* in Staines (2012).

COSTA RICA: Puntarenas, Corcovado National Park, Sirena Stn., Corcovado Trail, 150 m, 8°29'7"N, 83°34'39"W, 29 Jun 2000, Z.H. Falin, CR1ABF00 044, ex palm flowers [1, SEMC]; **NICARAGUA:** Rio San Juan Dept, 60Km SE San Carlos, Refugio Bartola, 100m, 10°58.40'N 84° 20.30'W, 27.V. 2002, R Brooks, Z Falin, S Chatzimanolis, ex palm fruits and flowers, NICIBFCO2 112 [1, SEMC];

Rio San Juan Dept, 60Km SE San Carlos, Refugio Bartola, 100m, 10°58.40'N 84°20.30'W, 27.V.2002, R Brooks, Z Falin, S Chatzimanolis, ex palm fruits and flowers, NICIBFCO2 095 [1, SEMC].

Cyrtanota banghaasi (Spaeth, 1902) (Tribe Mesomphaliini)

This medium-sized cassidine was previously known from one locality, Marcapata, Peru (Borowiec and Świętojańska 2014). I collected adults and juveniles at a second locality on *Aequatorium* sp. (Asteraceae: Senecioneae), a small upright shrub with large, hairy leaves, which is the **first host record**. The habitat is the disturbed roadside edge of a cloud forest.

PERU: Cusco Dpto, Wayqecha Fld Stn, Canopy Trl nr Manu Rd., 2990 m, 13.18565°S 71.58877°W, 31X–1.XI.2012, ex *Aequatorium* sp., coll. CS Chaboo [3, SEMC].

Eugenysa grossa (L., 1758) (Tribe Eugenysini)

This species is known from Brazil, French Guiana, and Suriname (Borowiec and Świętojańska 2014). I report Guyana as a **new country record**.

GUYANA: Region 8 Iwokrama Forest, Turtle Mt. base camp, 50 m, 1 Jun 2001, 4°43'5"N 58°43'5"W, F. Charles GUY1BF01 112, ex beating vegetation [1, SEMC].

Paraselenis (Spaethiechoma) puncticollis (Spaeth, 1907) (Tribe Mesomphaliini)

The majority of the 29 known species of *Paraselenis* Spaeth occur in Brazil (Borowiec and Świętojańska 2014); five species are subsocial (Chaboo *et al.* 2014). This Paraguayan specimen is a **new country record** for *P. puncticollis*.

PARAGUAY: Cazaapa Hermosa, prop. Lopez family, San Rafael Reserve, 80 m, 26°18'56"S 55°44'29"W, 5 Dec 2000, coll. ZH Falin, C Garcia PAR1F00 113 [1, SEMC].

***Zatrephina lineata* (F., 1787)**
(Tribe Mesomphaliini)

This species is known from Brazil, Colombia, French Guiana, and Paraguay (Borowiec and Świątojańska 2014). Its occurrence in Venezuela, **new country record**, is not surprising.

VENEZUELA: Apure, 300', 17km S. San Juan de Payara, 7.25.1988, C&L O'Brien & G Wibmer [7, SEMC]; Apure, 340' 16km W El Salmande, Apure, July 15 1988, C&L O'Brien & G Wibmer [5, SEMC].

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REFERENCES CITED

- Borowiec, L., and J. Świątojańska. 2014.** World Catalog of Cassidinae. Available from: www.biol.uni.wroc.pl/cassidae/katalog%20internetowy/index.htm (Accessed 21 January 2014).
- Bouchard, P., Y. Bousquet, A. E. Davies, M. A. Alonso-Zarazaga, J. F. Lawrence, C. H. C. Lyal, A. E. Newton, C. A. M. Reid, M. Schmitt, S. A. Ślipiński, and A. B. T. Smith. 2011.** Family-group names in Coleoptera (Insecta). *ZooKeys* 88: 1–972.
- Chaboo, C. S., E. A. Frieiro-Costa, J. Gómez-Zurita, and R. Westerduijn. 2014.** Origins and diversification of subsociality in leaf beetles (Coleoptera: Chrysomelidae: Cassidinae: Chrysomelinae). *Journal of Natural History* DOI: 10.1080/00222933.2014.909060.
- Monrós, F., and M. J. Viana. 1947.** Revisión sistemática de los Hispidae argentinos (Insecta, Coleop. Chrysomeloid.). *Anales del Museo Argentina de Ciencias Naturales* 42: 125–324.
- Staines, C. L. 2012.** Catalog of the hispines of the World (Coleoptera: Chrysomelidae: Cassidinae). Available from: entomology.si.edu/collections_coleoptera-hispines.html (Accessed 21 January 2014).

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