



Preliminary checklist of spiders (Araneae) from Coiba National Park, Panama

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Abstract

Background

Coiba National Park is an offshore region on the Pacific side of Panama, which hosts several endemic species of animals and plants. It was declared a UNESCO World Heritage Site in 2005. Despite the title awarded to the Park, knowledge about basic elements of its biodiversity are still lacking, which are of vital relevance for management and conservation policies. For instance, until now, no study had ever monitored the araneofauna diversity of the Park.

New information

Here, we provide the first checklist of spider species in Coiba National Park, including the main island and several surrounding islands. We sampled during several field trips carried out from August 2021 to August 2023. We identified at least 152 species (98 genera and 30 families) and we report three new spiders species for Panama, namely *Ctenus nigrolineatus* Berland (1913), *Chapoda gitae* Zhang & Maddison (2012) and *Sarinda nigra* Peckham & Peckham (1892). We discuss the implications of our results and recommend future lines of work that include DNA barcoding, monitoring of population and community

dynamics, plus linkage of climatic data from the newly-installed meteorological station on the Island.

Keywords

Araneae, checklist, Coiba, inventory, island

Introduction

Species diversity, abundance and distribution of biota are universal components of national biodiversity inventories. In conjunction with identifying species, there is also a need to monitor them temporally and spatially. The purpose of monitoring focuses on measuring the condition, status and change of biological diversity to provide information for management actions and achieve conservation outcomes, while improving our fundamental understanding of ecosystems (Lee et al. 2005). Primary data such as faunal inventories provide critical steps in the decision-making process for natural resource management agencies (Silveira et al. 2010). Failure to collect this type of information can lead to disastrous consequences for the protection of species and the environment. Currently, a combination of rapid inventories and long-term ecological research is considered an appropriate method for monitoring studies (Magnusson 2005).

One of the useful groups for such inventory studies are the arachnids, where we refer to their total diversity as the arachnofauna. Within these, the spiders (i.e. the araneofauna) are a particularly important subgroup due to their high taxonomic diversity, abundance and their predatory role within terrestrial ecosystems. Spiders often play an important function in both natural and human modified ecosystems, such as controlling pest populations in agriculture or vectors of concern for public health (Nyffeler and Sunderland 2003). Besides, some spiders are considered pioneer organisms in the colonisation of newly-formed habitats, such as islands. Therefore, they stand as suitable model organisms for the study of processes related to colonisation, establishment and dispersal (Baert 2013, Buchholz et al. 2020). A geographic region with a great potential to study spiders is Coiba, the largest island in Central America, which is part of the Coiba National Park found in the Pacific of Panama and which has had relatively little human impact for centuries. An inventory of the Park could lead to the discovery of new species and eventually allow the study of ecological interactions, biogeographical aspects and tests of evolutionary hypotheses. It is also important to simply know what exists within the Park's territory, allowing for the establishment of adequate management measures. In general, very few studies have conducted inventories of arthropod groups in the Park (Subías et al. 2004, Nieves-Aldrey et al. 2008, Corro-Chang et al. 2017) or described new arthropod species (Miranda et al. 2013, Bolzern 2014). Considering the endemism that has been reported for different taxa in Coiba National Park, including plants, invertebrates and vertebrates (Ridgely and Gwyne 1992, Olson 2007, Ridgely and Gwyne 1992, González et al. 2010, Ibañez 2011, Guzman and Breedy 2012, Mendez-Carvajal 2012, Miranda et al. 2013, Bolzern 2014, Daniel and Carrión 2015, Costas et al. 2015, Flores et al. 2016, Roubik and De Camargo 2012,

Valdecasas 2021), the possibility that new and possibly endemic arachnid species exist in the Park is reasonable. The discovery of new species within the Park may promote the strengthening of the protection measures currently in place. For this reason, we performed the first inventory of the araneofauna from Coiba National Park between August 2021 and August 2023. As a World Heritage Site (UNESCO 2005), it might seem that a listed description of all the organisms found in the Park is a necessity. A detailed knowledge of the Park's araneofauna is essential for the application of methodological tools that can help protect its biodiversity.

Materials and methods

Coiba National Park is in the Gulf of Chiriquí ($7^{\circ}29'0.3372''\text{N}$, $81^{\circ}47'45.2976''\text{W}$). The Park contains an area of 2701.25 km² (Fig. 1) and the main island is the largest island in the Central American Pacific, with an area of 503.14 km². In addition, the Park contains 38 island territories, such as Jicarón (20.02 km²), Jicarita (1.25 km²), Canales de Afuera (2.40 km²), Afuerita (0.27 km²), Pájaros (0.45 km²), Uva (2.57 km²), Brincanco (3.30 km²), Coibita (2.42 km²), along with several smaller islands, islets and rocky promontories (Autoridad Nacional del Ambiente et al. 2009). It is characterised by moderately high temperatures, averaging 25.9°C. Its climate is humid tropical with precipitation averaging around 3334 mm³ and an average relative humidity of over 80% (Poorter 1993, Autoridad Nacional del Ambiente et al. 2009).

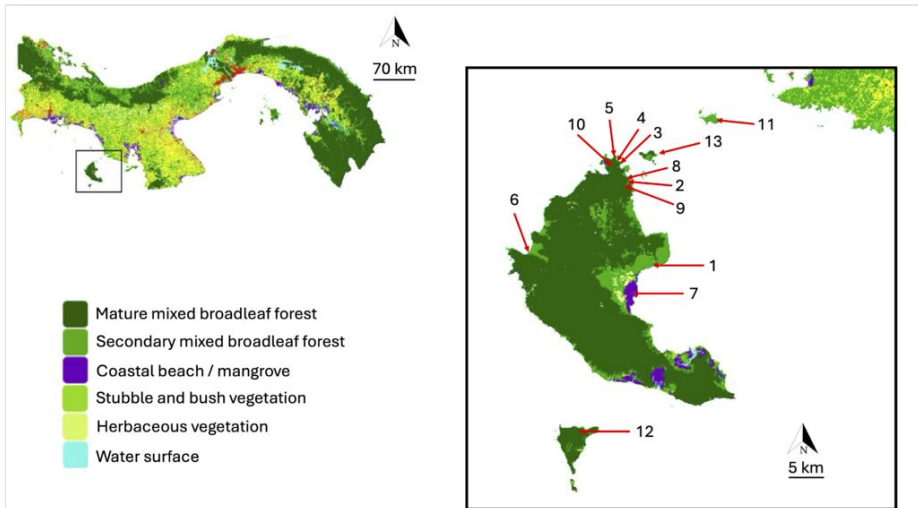


Figure 1. [doi](#)

Sampling sites in Coiba National Park depicting the different vegetation types. The square shows the location of Coiba National Park in Panama (left) and a close-up view (right).

This study was carried out between August 2021 and August 2023, when a total of 15 field expeditions were conducted, visiting 13 locations in Coiba and nearby islands (Fig. 1, Table

1). We did not make distinction between 'mature mixed broadleaf forest' and the 'secondary mixed broadleaf forest' (Table 1). The logistical difficulties to travel and stay in the different islands made it difficult to develop a more systematic protocol to monitor elements of population or community dynamics; therefore, our effort focused on creating a basic checklist of species. For the collection of spiders, *ad hoc* active searching was employed involving day (~ 7:00 - 11:00 AM) and night (~ 7:00 PM - 11:00 PM) walks along pre-existing trails and roads. The most visited sites were the locations 2, 3, 4, 5, 8, 9 and 10 where we carried out five visits at each. We performed three visits to sites 11 and 13, two visits to site 6 and 12 and one visit to sites 1 and 7. We inspected trees, cavities, rocks, human-built structures and other elements to maximise collection opportunities. We used entomological beating trays, sweep nets, plus direct tube collection or aspirators to sample spiders at various heights. In addition, we performed a few canopy searches by using equipment for arborism to climb the trees (~ 15 m). We also used pitfall traps to capture wandering and understorey spiders. Ten traps were placed only in three trails in Coiba (sites 8, 9 and 10), approximately 10 m apart. The traps consisted of transparent plastic containers (diameter: 11 cm, height: 8 cm), containing a 400 ml solution of 70% ethanol and soapy water in a 2:1 ratio. We recovered the traps after 5 days per site visited and samples were transferred to 70% ethanol. Overall, collections from all methods were merged as combined records.

Table 1.
Sampling sites in Coiba National Park.

| Location | Coordinates | Altitude (m) | Habitat type |
|-----------------------------|---------------------------------|--------------|---------------------------|
| 1. Old main prison | 7°30'16.0488"N, 81°41'50.7084"W | 220 | Anthropogenic |
| 2. Coiba Scientific Station | 7°29'0.3372"N, 81°43'27.1596"W | 50 | Mixed forest |
| 3. MiAmbiente Station | 7°37'37.3224"N, 81°43'46.668"W | 70 | Anthropogenic |
| 4. Mirador Alto | 7°37'34.1364"N, 81°43'39.2952"W | 133 | Mixed forest |
| 5. Mirador Gambute | 7°37'32.7576"N, 81°43'51.7548"W | 136 | Mixed forest |
| 6. Playa Hermosa | 7°31'4.9584"N, 81°51'34.1064"W | 20 | Mixed forest |
| 7. San Juan | 7°29'0.3372"N, 81°47'45.2976"W | 0 | Coastal beach / Mangrove) |
| 8. Sendero de Coiba AIP | 7°29'0.3350"N, 81°47'45.2950"W | 80 | Mixed forest |
| 9. Sendero Los Monos | 7°29'0.3350"N, 81°47'45.2950"W | 125 | Mixed forest |
| 10. Sendero Santa Cruz | 7°37'32.7580"N, 81°43'51.7540"W | 134 | Mixed forest |
| 11. Canales Afuera Island | 7°52'39.6340"N, 81°21'22.1800"W | 65 | Mixed forest |
| 12. Jicaron Island | 7°29'0.335"N, 81°47'45.2950"W | 79 | Mixed forest |
| 13. Coibita Island | 7°38'20.4190"N, 81°42'8.9300"W | 121 | Mixed forest |

The samples were preserved in 70% ethanol and are stored in the laboratory of Dr Dumas Gálvez at the Central American Master Program in Entomology at the University of Panama. All samples are available for future study on request. We carried out identifications by means of published guides in scientific articles, books, websites and, in a

few instances, by direct communication with specialists of different groups (Suppl. material 1). Spider families were classified according to foraging patterns in their natural habitat (Cardoso et al. 2011, Rose 2022). The definition of a guild is based on the ecological characteristics of the species (or higher taxa) that determine the exchange of resources. As largely generalist predators of arthropods, the most important resource for spiders is their arthropod prey and their most important ecological characteristics are probably their feeding method, the variety of prey they hunt, vertical stratification, circadian activity, size body and phenology (Uetz et al. 1999, Cardoso et al. 2011). Finally, we built the rarefaction curve in R (R Core Team 2024) with the function iNEXT and ggiNEX in the package iNEXT (Hsieh et al. 2016).

Preliminary Checklist of Spiders from Coiba National Park

Macrophyes elongata Chickering, 1937

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 03F01326-7073-52A3-AF2E-7D164175FBDE

Distribution: Costa Rica, Panama

Notes: CR-PA

Wulfila modestus Chickering, 1937

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 40F8F747-31CE-5CDC-8604-D1736B7A3672

Distribution: Panama (endemic)

Notes: PA

Wulfila sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 170DB6A6-831D-5A72-B028-372ECD5AE121

Acacesia tenella* (L. Koch, 1871)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FEAD34F4-0042-513F-B1FC-89E4E4289611
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6C100287-1414-5656-AA0B-F8350200DA4D

Distribution: Mexico to Brazil, French Guiana, Guyana

Notes: MX-SA

Allocyclosa bifurca* (McCook, 1887)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 997DE7C2-FCC6-5E9A-9914-332D7BFC9969

Distribution: USA to Panama, Turks & Caicos, Cuba, Hispaniola

Notes: NA-CA-C

Cyclosa caroli* (Hentz, 1850)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E1F142F1-97E3-5539-81CD-04FABF8CD4E5
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 826F6CFA-8CF4-5A9B-8F9F-6340FA0DCA7A
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5E1FAD55-6394-5DF1-A5ED-B2C5ED98236F
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B219DAFF-4BE0-5DB5-AE5B-FE94F40C98C9
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1

female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 67DA7CA9-1BD6-5CA8-98A6-3E3BAD183176

- f. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 3 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 869A8642-0347-5710-BC09-CBAC31BC6F21
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CC8A2839-DA79-5FD6-AE54-2667A5574BCE
- h. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9B58D913-A9B3-5CB6-BFA0-188C2E42B778

Distribution: USA, Caribbean to Bolivia

Notes: NA-C-SA

Eriophora ravilla (C. L. Koch, 1844)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F7780952-23EA-5C73-8F62-02CF6AB9F41D
- b. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6054E5B7-2F11-5D0F-9A27-F3EB958FF7A9

Distribution: USA to Brazil

Notes: NA-SA

Eustala bifida F. O. Pickard-Cambridge, 1904

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A5FD6965-5140-592F-A1CB-B2AD569E64FC
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E9DB39CD-F5C8-5793-AD69-F670261787AE

Distribution: USA to Panama

Notes: NA-CA

Eustala aff. devia**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 09D0E68D-F592-58D7-99F7-FE0A79E17AA8
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A4EFCD03-72D3-5E39-BD4A-F1EC79D31C88
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CB83AD3E-30C9-5A7C-8A77-DB9F0A5CC2FC
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7B5281E7-6E1E-5297-86B3-73659EF3D082

Eustala exigua* Chickering, 1955*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 66AD0A1F-5AB0-56F2-AFD9-B1946F6E7517

Distribution: Panama (endemic)

Notes: PA

Eustala fuscovittata* (Keyserling, 1864)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3F807425-FF9D-5642-9F62-2120B6B6524D

Distribution: Mexico, Cuba to South America

Notes: MX-C-SA

Eustala guttata* F. O. Pickard-Cambridge, 1904*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D367EFD4-6764-5A7C-855B-89E5B5C6C78C

- b. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C97B22DA-6949-52A7-BF5C-8DCE2843C126
- c. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3F70BC4A-2550-520E-906B-B3D5BF6283A7
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 742165A1-90B2-5079-8475-F68A4914E660
- e. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute; verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FF2E86E4-BFF2-5A47-9CD0-04047C5615B8
- f. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0E92BD83-8810-57EC-BB15-4BFC2BBF54F1
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4657EF7A-6DD1-5FC8-A1D9-B7204B799990
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FB1869D1-83ED-5775-8DFB-443931099A19

Distribution: Mexico to Brazil

Notes: MX-SA

***Eustala scutigera* (O. Pickard-Cambridge, 1898)**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8AB8AF76-2813-5330-9C01-D16487D14E24
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 30413064-0B62-508F-BB0E-F2A732F25F03
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5D476A87-7F0D-502B-B51C-D58D517583FF
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 2

- female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C00789D3-2E5B-590D-963E-19D4097D5B9B
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 2 female, 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 773B8662-919C-5BF2-B84B-AC5895102749
- f. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B61C25EB-AFFF-5728-8E99-9CE7ACF6EE93

Distribution: Mexico to Panama

Notes: MX-CA

Eustala semifoliata (O. Pickard-Cambridge, 1899)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E9344976-25A8-5BEB-A713-DEFA8290F296
- b. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B5C1543C-59AE-5A36-AA5B-B2532EDD39FF
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8D32995F-7D47-5751-BD29-3314A6A36B18

Distribution: Central America

Notes: CA

Eustala sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 95772F64-C296-52EE-93E1-8B0520FDE2E3

Eustala* sp. 2*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A9FE1CCB-EB16-5816-A1E9-E3C606D472DE

Eustala* sp. 3*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 16-09-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8C19DF9D-3579-50DE-9294-7A49F149D5BB
- b. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 25B85CF1-7A19-5093-982A-EBD98DE674BD
- c. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 02D2DDC7-EAC1-5D5F-AA8A-71B2C10ADADC
- d. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0BF4EEE4-480D-5260-B197-B621DB030787
- e. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 07E94C98-7147-54DE-BD5D-1B6A09ABCC34
- f. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 4 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 59BD1546-B792-57F4-B30F-D5BACFC547FA
- g. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3EF9CCF9-EA47-5094-847C-BE5DF676870C
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3810C174-0972-53ED-8ADF-4DF64721DE51
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3D355049-0B90-5692-B259-DBBFCDDC51DF
- j. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 5

- immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A3316CEF-B2AF-5192-8647-0BA8ECC5C4F2
- k. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 871D0850-4DEF-5387-BB48-D2D0C5A87448
- l. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 5 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 02F53810-24D7-5407-9672-703A337F3C70
- m. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4F31E447-04B2-5D88-9930-0EEFC348B821
- n. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 5 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 51F2E028-437A-5724-9F0E-C11774A0616C
- o. country: Panama; locality: Coiba; verbatimLocality: Isla Jicarón; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 24 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3213BB44-BD03-5483-8A46-A4EA63BF3C90

***Eustala tantula* Chickering, 1955**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8FBB6CA9-746C-5037-AB0F-45C6FF291B40

Distribution: Panama (endemic)

Notes: PA

***Larinia directa* (Hentz, 1847)**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B4E687B8-1F8D-503B-AD8B-1C717D485653
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 89541C46-45E7-5235-86E1-B84E108DFB52

Distribution: USA to Brazil

Notes: NA-SA

Metazygia keyserlingi* Banks, 1929*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 413F6265-4E5A-5BFC-A5C6-529A66A137B9
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 2 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 42B4F253-9EDB-57B2-A6EA-4F7D997F19C8

Distribution: Costa Rica, Panama, Colombia, Trinidad

Notes: CA-SA

Micrathena horrida* (Taczanowski, 1873)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 98A86C07-C748-5212-A4EE-8DE5B2E1B672

Distribution: Greater Antilles, Mexico to Argentina

Notes: MX-C-SA

Parawixia hypocrita* (O. Pickard-Cambridge, 1889)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7ADAE52D-007E-504C-B271-8ED7E97824E2
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9DFF06D6-F717-5BAA-8C60-2F9B7C7FE6BF
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2773A0E7-3174-5BD6-AE8C-8779F339B02F
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 184E5CD0-0C4D-559A-A5E1-41FA5734E6F5
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1

immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 52D324C7-5FC9-57CC-9F0B-C3E2B96D4E11

- f. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 44EF82AC-F926-5A75-980E-A0F8C3C011B0

Distribution: Guatemala to Brazil

Notes: CA-SA

Parawixia sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8FF5CACA-7681-5C12-8802-59249A6CBBE3

Pronous intus Levi, 1995

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EF2FF8A0-DE0D-5359-9A04-13625B4C1417
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CC3442DF-D734-53AB-8127-87D97EBAA2BC

Distribution: Costa Rica to Brazil

Notes: CA-SA

Wagneriana tauricornis (O. Pickard-Cambridge, 1889)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 3 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F958EBA5-D0A6-5F95-AAFB-483DA4B617EB
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 5 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E856E17D-8A19-5512-B8C3-CE1031B7F7B6

- c. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 female, male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 26A0095E-7A68-5106-8B51-6913372FCD28
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C59FDC27-3074-5674-B97E-29F86D18CFE8
- e. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BA067B4C-B292-5325-9938-DBD4A6B5EF28
- f. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F684016D-0907-5816-A6F2-A4372CEA5B70
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female, 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FA29352F-ABF4-58E1-A2E0-BC073CDD9698
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A2079E5B-1D09-5DC9-BE56-832BCD39FAB4
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E743B07E-3A2C-5DB6-A3BE-3D217D66033C
- j. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7B2FA28F-52CF-54FA-989A-5D68D87FFEB8
- k. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 3 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E4101BF7-F7C8-5BC9-8F4C-35D6BF4497F2
- l. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 6 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D2656081-FDD6-5600-9C6F-608BBB335E65

Distribution: USA to Peru

Notes: NA-SA

Witica crassicaudus (Keyserling, 1865)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1

- female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 03E47AE0-A1E0-52F5-B77A-E8CF140D79B9
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7CEC6505-C8FE-5D82-BD7E-5E289C4136B4
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3DF112EB-642C-55A9-B4AD-EEBA3A7C0216
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B36B6D51-67AD-59B7-B355-AE428D2A209D

Distribution: Mexico to Peru

Notes: MX-SA

***Nops largus* Chickering, 1967**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C9ECB771-0843-5AD3-AD74-4220C0AEF0FF

Distribution: Panama (endemic)

Notes: PA

***Eutichurus putus* O. Pickard-Cambridge, 1898**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CC94598B-2E85-5AB7-95D1-41B10B8223A6

Distribution: Panama, Colombia, Ecuador, Peru, Brazil

Notes: PA-SA

Elaver* cf. *tigrina

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D9A81B02-7EE3-5972-8948-23523B0E249F

- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 34749A51-0661-5FA8-B145-4FFCE501277E
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 83882F5D-59D0-57F3-B5CD-F8FF1F2736BB
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 91CF84BF-2F62-589E-9E5C-1FDFC0B85CD9

Elaver lutescens (Schmidt, 1971)

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 784606C4-B558-5A9F-B83C-2336955E5ABE

Distribution: Panama to Brazil

Notes: PA-SA

Elaver sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 83144A40-7574-593B-AD92-8788252BC825

Elaver spp.

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5089C426-7133-5495-BF82-97C229CBCCDD
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C379FCB6-C71D-5909-8BD6-EDDDC2EDB9E8
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 25-03-22; sex: 1 immature; recordedBy:

- Daniel Murcia & Dumas Galvez; occurrenceID: BC5F176E-B8F9-5936-AA08-9BFCB2B1FE46
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D6475F13-B224-51CF-98B8-F1F2C48522AC
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CF3B539B-0BB5-5416-926B-6BEE30F4DF9C
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 4 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3D65F298-7202-559C-B16A-6E023AF6076D
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 8-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FA5894F7-FC1F-5DD0-93EA-029CDFAAACD7

Castianeira sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BA58A453-A449-58C7-AE62-DC86D489176E

Castianeira sp. 2

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BE6D581A-1427-55E3-A936-BA606896D365
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BD89565C-F3D7-53E9-B5D5-87ECFDB54336

Corinna bulbosa F. O. Pickard-Cambridge, 1899

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0AC2D24D-CC7A-5F41-B1CC-39F0258511F3

- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 561DD17B-5F33-5113-BAE7-4B7F6EA87941
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-06-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B111A17C-EF42-5997-9F0D-FAFA555D21D2

Distribution: Mexico to Panama

Notes: MX-CA

Corinna sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8B4609A2-0060-57B3-9471-A1F20EC6324B

Creugas cf. *micronatus*

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 034BBD18-D8D1-5DCA-87D9-12CD9E4DD943

Mazax spinosa (Simon, 1898)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2E3981E3-2CBC-5C14-8B69-3F1EB1A52E80
- b. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F069A072-1634-5170-A0CF-5C23DE33C1E8
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E321D702-CBCB-5433-A24A-4E40A78D45D3
- d. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6906BC78-9A4A-5D2B-9519-26976C21F0F3

- e. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5B8496BA-B045-56FC-8FE6-B635D11A1146
- f. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0DE9201D-C023-5F00-9391-D5019BBF632E

Distribution: Guatemala, Panama, St. Lucia, St. Vincent

Notes: CA-C

Simonestus sp. 1

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 318E3C66-EC82-5441-BAEC-B330B209361D
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AFEE1EFA-EEF5-5733-A445-E9E411FA927F

Acanthoctenus lamarrei Arizala, Labarque & Polotow, 2021

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BF42E545-F400-59F7-BF1D-37E8B69CAB95
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 2 female, 4 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EBA28470-BC5C-5E26-A5C9-5F5F8A93A826

Distribution: Panama (endemic)

Notes: PA

Ancylometes bogotensis (Keyserling, 1877)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 2 female, 1 male, 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 76535110-2E9C-595A-A18D-91FA54C88DE5

- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5BD9FC83-CEE3-5D7E-B858-53867004301D
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 922B9C93-09CF-5940-8679-468329309501

Distribution: Honduras to Bolivia

Notes: CA-SA

***Ctenus nigrolineatus* Berland, 1913**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: ADEE04E1-C6C6-5E9A-9E15-B1048B7C7859
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9F1E7D1F-90BC-59D3-A9BF-4747FD48A216
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 81CDFEB2-C234-51E2-A171-99732A573075
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AE020F11-037C-5DC1-B5FB-870B6BCA9730
- e. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3ED93DD1-5CE5-53A3-84C6-EE0214616DB2

Distribution: Ecuador

Notes: PA, EC, First record for Panama

Gen. 1 sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 42B74417-1001-5947-BE2D-9608CEB8A6D4

Notes: PA

Kiekie barrocolorado* Polotow & Brescovit, 2018*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 776864EB-9AB4-57B2-B627-7EF8E02A70A8
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B7480A13-30C6-5719-8794-47DFB8778D4
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4418ACAF-49B8-5575-91E1-BEFF4C53D8EB
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5A235C02-B5D7-596F-99B2-ABE419DB1FBA
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 25-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 136F49C6-5D62-516F-A7A8-A8C93DEE00B8
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 468A8FC7-A648-54D8-9A3D-77E45CAB74BC

Distribution: Panama (endemic)

Notes: PA

Kiekie panamensis* Polotow & Brescovit, 2018*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7DB99689-5BC1-5941-8208-D27BDB37AB3A

Distribution: Panama (endemic)

Notes: CA-SA

Phoneutria depilata* (Strand, 1909)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 146BB78B-5FF8-576A-98B9-88014B0F44DD
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5A8DA959-AD88-595C-BCEF-BE00B148A561
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F0CCC73E-3845-51C0-8367-FA27F1CE34FC
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0690EAC1-6EFC-5AD1-B315-F0145FB080B1
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C5DAB046-6850-5260-A55C-65550C2C3A38

Distribution: Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador

Bolostromus panamanus* (Petrunkevitch, 1925)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 24EAC612-8ED5-5259-8120-267DFB64DB49
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4653E52B-0015-5EF0-A5F9-5D883D861E30
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 18399CE1-B85F-5633-9F54-92C7E2329783

Distribution: Costa Rica, Panama

Notes: CR-PA

Labahitha marginata* (Kishida, 1936)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: ECC261E8-B301-58B7-AE41-0485E138942A

Distribution: Taiwan, Philippines, Papua New Guinea, Pacific Is. Introduced to Mexico, Central America, Brazil

Notes: MX-SA

Zimiromus tropicalis* (Banks, 1909)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 298DD300-8F7F-58D2-9A48-E99820276D3B

Distribution: Costa Rica, Panama

Notes: CR-PA

Neotama mexicana* (O. Pickard-Cambridge, 1893)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1A42E382-05DC-5E1B-AE38-760F300B9304
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4F809216-D5C2-5586-BA08-55EDD8D31BCA

Distribution: USA to Peru, Guyana

Notes: NA-SA

Allocosa cf. panamena**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 2 male;

recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 00C50569-D207-5EC8-8D76-3131C00AA32C

- b. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 25-08-21; sex: 3 female, 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 265D721B-B450-5B15-89C9-169593339C95
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C7BC608A-CFA8-5E49-BA38-95D8F6B59349

Arctosa sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 16-09-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 81539C74-84BE-5DA1-89E9-B2A578F0DB0D

Hogna sp. 1

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4BBCC9D9-2357-5FDC-BB4B-910E0F97BB87
- b. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0D65A9AB-B468-5A87-8067-EA4B6779514E

Gelanor zonatus (C. L. Koch, 1845)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 940EA213-0F6C-55A4-86F5-0D950F73EB74
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EA191453-60D1-5068-A671-C5B1706A9600
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 35629E32-BBEF-5752-98DB-FBD86A6D257B

Distribution: Mexico to Uruguay

Notes: MX-SA

***Mimetus trituberculatus* O. Pickard-Cambridge, 1899**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 2 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 78ED0D6A-633B-5D7B-84CA-C304E1FEC063
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A550BF52-ECB6-583F-AC15-EB385ECAE8D2
- c. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3C4AADE1-4E32-5218-9732-95B0BDCBB808
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 08E62BBA-9930-5C38-AB5A-2740C1ECDEAA
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AFA3DA5D-8B5B-56FC-8A52-67AE02EF21E6
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C1B5A6CF-62CC-51FC-B0AA-3BD765E7C9D8
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F46388B6-84F0-50FF-A96C-9BB0DB408941
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 20F9AC54-D1FF-59E8-8DD3-618DE42A6FAA

Distribution: Panama (endemic)

Notes: PA

Mimetus verecundus* Chickering, 1947*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5D79FA29-74EA-523D-A6D0-C7559677E013

Distribution: Panama (endemic)

Notes: PA

Trichonephila clavipes* (Linnaeus, 1767)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0D3B409D-D86C-5F18-B986-702BE87CD754

Distribution: USA to Argentina. Introduced to São Tomé and Príncipe

Notes: NA-SA

Costarina cf. recondita**Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E7EC5845-BC7A-559D-9691-E07F454E5646

Ponsoonops* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1FEE7713-E1C6-5821-96C8-56BC69032965

Hamataliwa* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1

immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 51EAECCE-BF7F-59E1-86A3-F9B9C4DB6405

Metagonia delicata (O. Pickard-Cambridge, 1895)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 76762A0E-F57C-5D80-A259-17697259E4D4
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 50E2A2A5-29E9-54AC-93E5-902243F6A756
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 62AADBCB-8825-500E-8F74-6A6C95101149
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 27-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0A700E0E-416F-53F3-8F1D-6FDECF10377B
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 46947813-84E7-57C5-8FB9-4FC79099ABC8

Distribution: Mexico to Panama

Metagonia sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F7B6ACDF-BFF6-51E8-B224-56CF8D5A7CD6

Modisimus cf. *guatuso*

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3F7F8CA6-8688-5A25-A630-59E4E7FD40FA
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D49D1C0B-43B1-5A9F-932E-56CFFD11892E

Notes: MX-CA

Modisimus sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FF44C61C-640E-59EE-9F8C-2FE35119D6F0

Physocyclus sp. 1

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0972761A-DDFD-5065-A096-5D2901CADEB5
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FB402EC7-6C0E-5693-8D6E-DE8D7D07D914

Acragas peckhami (Chickering, 1946)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7C67E915-BD07-5A36-980B-907DE3C99170
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AA4932F2-5103-55B7-B966-36019FE12F52
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6CDE8C66-23FD-5298-BD0A-2017C5C34A61
- d. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 52B30ED7-B6F1-53ED-9B99-3F07F14D5B0E
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E82C6865-B2C6-5D0F-A578-2FFF08948DF8

Distribution: Panama, Colombia

Notes: PA-CO

Anasaitis canalis* (Chamberlin, 1925)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C96B75B7-99A2-5F23-A981-280E2EA54F50
- b. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 16-09-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 56CF4831-C17A-51AC-A53E-1DAE05088791
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6881F442-47B1-5931-A694-C26EF4260226
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4975D5DD-2012-5F1D-81B1-AB3AE4E6F045
- e. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 27-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3F996572-AA6D-5E95-AC80-E164E6BA971A

Distribution: Panama, Colombia

Notes: PA-CO

Chapoda gitae* Zhang & Maddison, 2012*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B786D4FE-7BAF-5889-8AB0-F7C8166437F0

Distribution: Colombia, Ecuador

Notes: CO-EC, First record for Panama

Chapoda recondita* (G. W. Peckham & E. G. Peckham, 1896)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FB07B3AA-59A9-5944-9CA7-D391E2FBE403
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D0429F39-85E8-5C9A-9C32-7323A13E14EA
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1

female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 25A279B9-8843-5FC3-9E1D-1751D3C6E92D

- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6AF99D77-86FC-562B-AA11-42802C9FA02B
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 2 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 11E54B69-C281-5A90-B8CE-F68816CC50C5

Distribution: Guatemala, Costa Rica, Panama

Notes: GT, CR-PA

***Cobanus extensus* (G. W. Peckham & E. G. Peckham, 1896)**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FE5269A3-5908-597D-B461-DD1319106F91
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1AA65485-0AD4-5F5E-89FE-519A847B4A57
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8761D4CE-16F3-5958-BE71-E20B5848512F

Distribution: Panama (endemic)

Notes: PA

***Colonus* sp. 1**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: DAFA7711-22AD-527A-B098-BC571660DC71
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B314D03E-DBF6-59F5-BB32-E16CA02E9AE2

Corythalia opima* (G. W. Peckham & E. G. Peckham, 1885)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5CBB7DA1-E3A7-536F-8A99-4A4F4539BD64
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 58D443F7-5ECB-58EF-8D07-9B094113A5FA
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-06-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C4C2B4B1-FFA0-5C8B-9FA3-0316A188A17F

Distribution: USA, Mexico, Guatemala, El Salvador

Notes: NA-CA

Corythalia spiralis* (F. O. Pickard-Cambridge, 1901)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 97C834BA-9724-5671-A5E4-16986133D246
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: DC15A179-A12C-5330-8749-77DEB22314B6

Distribution: Colombia, Venezuela, French Guiana, Brazil

Notes: SA

Corythalia sulphurea* (F. O. Pickard-Cambridge, 1901)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B2F17678-6746-516B-B2DA-1432090F7236

Distribution: Costa Rica, Panama

Notes: CR-PA

Habronattus mexicanus* (G. W. Peckham & E. G. Peckham, 1896)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E8FEC9CB-1BCD-5A08-8ABD-35BF0C1038DF

Distribution: USA to Panama, Caribbean

Notes: NA-C-CA

Leptofreya bifurcata* (F. O. Pickard-Cambridge, 1901)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F220BCD6-FABB-5C64-9415-53B5DC2BA376

Distribution: Mexico, Panama

Notes: MX, PA

Lyssomanes* sp. 1*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 16-09-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D1B4E4F0-CD71-53A5-8746-0F641D1B3D2A
- b. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 16-09-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3471EACC-16A8-5898-8B85-096854E2FB79
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 81BC818A-4184-5EDD-825F-B13C1092E025
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CE64CE45-79FC-5A38-B27D-E3C30C45E8A0
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6C5C7CCF-A9A6-5725-94E8-C0D91919AD9A

Menemerus bivittatus* (Dufour, 1831)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3AD65345-92BA-5FB7-B882-CA4D00C83C62

Distribution: Africa. Introduced to North, Central and South America, southern Europe, Turkey, India, China, Taiwan, Japan, Australia, Pacific Is.

Notes: NA-CA-SA

Myrmapana panamensis* (Galiano, 1969)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 16-09-21; sex: 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1D44DE73-5332-57B7-8D07-142BCA0AD42F

Distribution: Panama, Argentina

Notes: PA, AR

Noegus spiralifer* (F. O. Pickard-Cambridge, 1901)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 764003A6-0398-53F9-BAFD-CBF4A8BC4508

Distribution: Guatemala, Panama

Notes: GU, PA

Psecas* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9118715F-CBC5-5049-9FCB-780FC6D09ED1

Sarinda nigra* G. W. Peckham & E. G. Peckham, 1892*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 female, 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2D8E1941-2FFF-5327-A7BC-14E81EC793F7

Distribution: Nicaragua, Guyana, Brazil, Paraguay, Argentina

Notes: NI, SA, First record for Panama

Sidusa flavens* (G. W. Peckham & E. G. Peckham, 1896)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1104A932-BAB8-566E-9E98-0CABFE0FC926
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 44CC24B0-8AC5-5A84-A0AB-D977D4BCB5EE
- c. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 16-09-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0578936E-587E-5B7C-96AB-446E7E42CA7B
- d. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5C59B780-FACD-525B-B365-1165D06309D5
- e. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute; verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F1CD9E23-9BC4-5789-8FB1-093999AD1D4B
- f. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 16-09-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6CBC98D6-E981-572E-B30B-C7836E68DFF2
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 445FCD8B-34FF-5802-ACA8-C2E4DC6C95AA
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 96FA7ACA-A653-506D-A1A0-0F855517571E
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F7EBB24D-9FCD-55A5-8300-19872459F9E0

Distribution: Panama (endemic)

Notes: PA

Xanthofreya albosignata (F. O. Pickard-Cambridge, 1901)

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6E345B8D-3E08-5739-B189-5D1221956DA3

Distribution: Guatemala, Panama, Colombia, Brazil

Notes: GU, PA-SA

Xanthofreya arraijanica (Chickering, 1946)

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: DDA077EA-202F-564D-9F20-2832AA249E10

Distribution: Panama, Colombia

Notes: PA-CO

Scytodes cf. intricata

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8F1C3C78-FB14-589E-A340-210D1CA82968
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 89A06E5F-8665-52CD-A7ED-F031CB4AAC12
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 576E6C64-CA13-5530-904B-B41D6547C286
- d. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 44AA8AB2-2DAA-5702-A98B-E56A3E549951

- e. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4038DA7D-5759-5EE2-A23A-6570F53106E1
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4F1AC5B2-775E-5FE9-8479-4A7AFFEC0B05
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3941392A-C5DE-5310-9612-51F9EA51FA20
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F9A5E908-19F9-54FA-8269-535FE9CCA98A
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 94B1D00E-35C5-5CA0-A7D3-19B82015BDE0

***Scytodes fusca* Walckenaer, 1837**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3F6CAFB9-0AD4-52CC-A90E-D5D70C5C2C4B
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B343063C-CF89-5FC8-A0F5-9F2D20DE994E
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male, 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6CE71C29-1E13-5824-9969-B04601F4F6A4
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 male, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 21A890F8-C926-5916-8C61-9B4DBC04B0A
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BCA950B5-CFF1-5FD1-A05F-6D4F406476A0

Distribution: Northern to Southern America. Introduced to Europe, Africa, Seychelles, India, Myanmar, China, Japan, Hawaii

Notes: NA-SA

Scytodes* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FFC25A87-9ACE-5611-BFF9-B85DB4A7B11F

Selenops* sp. 1*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C0976EF6-43D7-519A-9865-036418DF2CA0
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 93299E6E-644C-5FEC-B041-DB15D1FB2510

Selenops* sp. 2*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 91F6D440-4292-5D95-B0AB-3A1BE2B42AA5

Senoculus rubicundus* Chickering, 1953*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 39D62BE1-3DC8-5306-8591-CD6F64590DE8
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 74245696-00B1-528C-AAB0-3568FD2FA5A3
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B497FB19-D3C0-5000-906E-887BEB7D9576
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 39EF6FE4-80DF-56DF-9DBE-4953B6C04425

- e. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute;
verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID:
D94AC782-2AB8-5C96-BB1C-125A6FD28E73
- f. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates:
7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 27-03-22; sex: 1 immature; recordedBy:
Daniel Murcia & Dumas Galvez; occurrenceID:
DB3B930B-5268-5CA9-9655-2B62C95C3370
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos;
verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6F31614E-
A0E5-5C0A-8225-DAD5347E6915
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos;
verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D7D1AB6D-
DB9D-5414-A910-EF498A4F85EF
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz;
verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID:
2108C484-6B90-500C-8AAC-615D85460417

Distribution: Panama (endemic)

Notes: PA

***Meri* sp. 1**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates:
7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy:
Daniel Murcia & Dumas Galvez; occurrenceID: 044D18F7-C0EE-53A9-B00B-
D13E035BB3A2

***Meri* sp. 2**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera;
verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID:
271F2E10-3EBF-53A4-A7B4-54DFEC086B0D
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos;
verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 2
immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID:
437F1135-0BF4-5973-922E-1206974BE511

Nolavia* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7C9C285D-EC17-5F4F-9904-39F890330BF4

Nolavia styliifer* (F. O. Pickard-Cambridge, 1900)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 53B17A08-602D-5C95-AD7E-15181F209E40

Distribution: Mexico, Brazil

Notes: MX, BR

Sparianthis chickeringi* (Gertsch, 1941)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1086C1D3-912B-58BF-97B3-2078FA0AFA48
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A369E71D-7C3A-54EF-89DE-A3D17A05BBC5

Distribution: Panama (endemic)

Notes: PA

Uaiuara* sp.1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5830AD2B-6812-599A-A92A-F20791A1192C

Dolichognatha pentagona* (Hentz, 1850)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C3DFD38F-F91D-53BC-B455-D46D8F3AF9C8
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E3F1B0E2-9B85-56B7-BAC9-98F1EF67E7BD

Distribution: USA to Venezuela

Notes: NA-SA

Dolichognatha spinosa* (Petrunkevitch, 1939)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EABBF50E-5464-522B-A6A4-359472D3A74F
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CE47FA2A-4E53-5EA1-83A6-144849CA8330
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F176E1ED-F5EC-5F09-867A-C2F87724B878
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 2 female, 1 male, 5 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3E152039-8A7D-5250-AF31-221BCC8838F2

Distribution: Panama (endemic)

Notes: PA

Leucauge saphes* Chamberlin & Ivie, 1936*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EF9F2E96-AAA2-5A29-9F2B-D8936357C8C1
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1

female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4EAB7CE6-726C-597B-99D1-134CC6C73487

Distribution: Panama (endemic)

Notes: PA

***Leucauge* sp. 1**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 2 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0CF7C721-C1DA-5D78-8E0B-EFEF4393101B

***Leucauge* sp. 2**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0B04A064-45B7-5BEF-B005-3088FDCE051E

Metabus cf. debilis

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AA23AA05-6A46-58C9-B034-29343A79F968

***Tetragnatha cambridgei* Roewer, 1942**

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9D93D283-7EA1-5F36-8466-CBF855D4B230

Distribution: Mexico, Central America, Puerto Rico

Notes: MX-C-CA

Tetragnatha pallida* O. Pickard-Cambridge, 1889*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A365160C-6DBC-5B50-9398-3D4D631F670C
- b. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A31094C0-42EE-506F-9D26-E977193D0EDE
- c. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 16-09-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6043ED06-B904-54D3-BED3-DBBB593BD1AB
- d. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E8B97222-1050-5A9A-9900-3B98E86287FB
- e. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 87FB6AD8-CB7B-5584-BCFC-E6DAE9AF5585
- f. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 5D5176A6-AA2D-510C-A985-A9024799F457
- g. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2BAE982B-8CAC-55FB-B757-3F21F2590987
- h. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3445E298-AB72-5E74-99D1-233538EFC271
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3CC58CE4-E3FE-57E8-9B81-87BE5622B578
- j. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9269A181-DE26-5DCF-A631-2FEF3F87A7B9
- k. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 10218825-516E-545D-9DBB-FB1B70025996
- l. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 352C2A34-1557-54BC-8EAE-0B792931836E

Distribution: Costa Rica, Panama

Notes: CR-PA

***Tetragnatha* sp. 3**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CC3E0388-9485-5629-8E70-E7441715A2D2
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 4 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2834AF5D-F875-593A-8E51-DAA201DDE316
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 62494FD8-3FF0-56F5-8B27-C4C7AD2E4F25
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 82B39054-D60F-51DF-9953-A243214423EE
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A59BF4A6-B17E-592A-B6B2-81128944BD6D
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 38A2B839-822A-539F-B439-B644463B5825
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E361DBEE-3C4D-5791-B5FD-FCA7FE949D1B

Notes: MX-CA-C-SA

***Tetragnatha tenuissima* O. Pickard-Cambridge, 1889**

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 24F77944-F93E-5902-84FE-545DCB142629
- b. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1D88DF1C-B3EB-58EA-A4A7-3534087D92BE

- c. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B362C341-B8A5-5889-AFDE-78B2EE1EAE96
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 95654F96-9D17-5C5C-AB81-25025B93BFFB
- e. country: Panama; locality: Coiba; verbatimLocality: Isla Jicaron; verbatimCoordinates: 7° 17' 16.022"N 81° 46' 25.359"O; eventDate: 8-12-23; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D9A4039E-1016-5D17-9DEB-EF700CBA9106

Distribution: Mexico, Central America, Caribbean to Brazil, Argentina

Sericopelma sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E3D73508-F913-538F-90FA-450D77CBFBE1

Ariamnes attenuatus O. Pickard-Cambridge, 1881

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 2 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6B582BF5-F7BC-59D7-AA76-73881624F86E
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2360F224-9548-5575-8F29-55E013439EB1
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E66BE5CB-4816-5D6D-8539-A22E7F3E561C

Distribution: Costa Rica, Caribbean to Argentina

Notes: CR, C-SA

Chryso albomaculata* O. Pickard-Cambridge, 1882*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A3F8AE92-DA38-593F-8636-50AB052DBF1E

Distribution: USA, Mexico to Brazil, Caribbean

Notes: NA-C-SA

Chryso cf. vallensis**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 24BE7D2C-D90B-593D-9A81-99E3B4955A5A
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8032D16E-044A-511A-9349-E88900DFB7A0
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D1D6B54B-0C7D-5405-B8AC-4837DA313485

Cryptachaea cf. taeniata**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 3 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E65A72F5-FB79-5044-AF2C-5BD5C1EEC946
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CB6EF2E1-69F5-5DBE-8336-9E17C67381C5
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 2 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0D5D8E97-8B35-5361-A8BF-9ED4B7971128

Dipoena* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 793569A8-15ED-5425-8A86-D1E3998C2669

Dipoena* sp. 2*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7F6A4308-3A71-5495-B6E7-24C8B1E9DC36

Emertonella* cf. *taczanowskii**Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B80F152F-BDEC-58C4-B6CC-5D329A78CA2A

Episinus* cf. *pyrus**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 39A5F64E-6456-52D9-A0CA-4869076D7544
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A4BE865F-7A1B-5C0A-A062-DCD0A9B51F61
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A0C672EA-96EC-5254-84B5-7AE79CAE6F6D

Episinus* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 male;

recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: CF631F79-7719-53A1-AAC5-8F77CFD1F541

Episinus sp. 2

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2DD3F7D9-50EA-5598-B70C-6536D1D6F963
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F7334640-0674-587B-8C6D-4A2E4807CAF1

Hentziectypus sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 25-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9ACABE36-98F4-57E8-B880-479A428A0643

Neopisinus bruneoviridis (Mello-Leitão, 1948)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B0A6C714-8B44-5376-8D58-89A9856F53A5
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9CEFC13E-D8A7-5C48-9798-AA3D05F9804D
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1666F5B0-78A5-5ED5-A980-F70DA43565E8

Distribution: Panama, Trinidad to Brazil

Notes: PA, C-BR

Neopisinus putus* (O. Pickard-Cambridge, 1894)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female, 2 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 06E9C204-A928-560A-A7E6-8B40665EF9D4
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1285749A-EBD0-5B9C-8751-B7E1708E5A2A
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E8406FC0-740A-5140-9C1D-670CBC742AE9
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 2 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8BDCE78D-A48B-5C8F-A3A5-CA4D884E48A7
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B6C1153B-2824-5445-834C-E04F5474944A
- f. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8E644A4E-9402-54A6-A491-6BD60520322C
- g. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 60380A1E-5F5E-5872-B8E0-8452E72F748D
- h. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 60D7BDEC-90A6-578A-AFB4-578D9B2753F8
- i. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 4 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0ED57D72-BD82-5C56-A6AF-03A4D3CFCBCC
- j. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 male, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 181297F0-71BB-5B73-835C-4C99B44B3D6E
- k. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 3 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: EA01231E-5298-5D69-A58F-FC387F4E4278
- l. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 male, 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 05C07003-D4F4-54B4-9AED-65B589543B01

- m. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A4655CCA-7D68-5513-A3A9-4DB69A19C799
- n. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A63D49CC-528A-5955-8E74-3EBA1AD151E8
- o. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A0D101CA-9D66-500A-A094-C6101DE6E2C8
- p. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: FD8FA0BB-AD80-5C60-91E9-3491805B7A46

Distribution: Mexico to Panama

Notes: MX-CA

Neospintharus sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6AEEA4B4-1575-51AF-866F-A69E25394BED

Phycosoma altum (Keyserling, 1886)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4D6EE176-B7E1-50D4-9CF9-1156F311C86A
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 22881A83-8957-5DCD-8347-5F923CCCB41

Distribution: Mexico to Brazil. Introduced to Hawaii

Notes: MX-BR

Rhomphaea cf. projiciens**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute; verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D66330A6-8895-5284-BC2A-CCA57B375E9C
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A6222D9B-837F-5B7E-81F1-BCE9E00A2C23

Rhomphaea metaltissima* Soares & Camargo, 1948*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 471E087D-282C-54DB-B66B-62EE196E89E1

Distribution: Panama to Brazil

Notes: PA-BR

Rhomphaea paradoxa* (Taczanowski, 1873)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0727D213-2540-5544-99D0-92B662F7CABB
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-06-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A73F4FF3-D6FD-5CCE-8EC9-6AB3C5B38B05
- c. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D715B5F0-A158-5C2F-B705-0E3D5F6E38DF
- d. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 06860BAE-493B-5945-A50C-0CE991B7E9AB
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 512C407E-C8E9-5B40-BD94-A51192296D17

Distribution: St. Vincent, Mexico to Brazil

Notes: MX-B, C

Theridion sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 337A9D0A-8A5F-5EB5-8BE5-343A030F8C3C

Thwaitesia affinis O. Pickard-Cambridge, 1882

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 247FE1D5-DF9D-51BE-9EB5-37F2527648C9
- b. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 212A65B8-C944-5DCE-AEAE-2EE2567F5FEF
- c. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B85F2C2F-B843-550F-B353-50555D063843
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 227F2F9A-3489-576D-A46A-DE95452B41C5
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 16-09-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A58ECF7E-15B5-554D-81DB-1716266499B4
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 61D36148-574A-55A6-B38F-45787EFFB870
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9362E237-8DC4-5979-93C1-99A2197A9611
- h. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3EC09468-DE5F-5176-ACA8-4F1D919BEC47
- i. country: Panama; locality: Coiba; verbatimLocality: Sendero Santa Cruz; verbatimCoordinates: 7° 37' 32.47"N 81° 43' 51.632"O; eventDate: 28-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6F9BE165-BE14-5A71-ABE9-6FB69455BD5D

Distribution: Panama to Paraguay

Notes: PA-SA

Thwaitesia sp. 1

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 024D3DAF-689E-55DE-BF9A-3DC53E7AE74D
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 324EA92C-8D95-594B-8DA0-EC605D710C68

Wamba crispulus (Simon, 1895)

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7039FA5C-4EE0-5BC1-AF74-9FACCE9706D9

Distribution: Canada to Brazil, Caribbean

Notes: NA-SA, C

Epilineutes globosus (O. Pickard-Cambridge, 1896)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 27-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 23BFE220-5636-5A41-93D8-C34DAED6B53B
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F4C4DD7F-F6BD-5274-9645-19A6AF8651DD
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0EA666CA-8673-5EBB-B322-ACB74A286655

Distribution: Mexico to Brazil

Notes: NA-SA

Naatlo* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A85865AD-E74A-54B7-BC27-0F43E65F6843

Epicadus taczanowskii* (Roewer, 1951)*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 973D8114-0608-555C-B7C2-290567E1B96C

Distribution: Hispaniola, Costa Rica, Panama to Peru, Bolivia, Brazil

Notes: C, CR-SA

Epicadus tuberculatus* (Petrunkevitch, 1910)*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-06-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 931C35E1-F41D-52CC-B23E-E5C41F573D6D
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 78CA7897-0426-5768-968D-2077C25277D4

Distribution: Panama, Ecuador, Peru, Brazil

Notes: PA, EC,PE, BR

Misumenooides* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute; verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 330078D5-5323-558D-84A2-29F8024D3B49

Misumenoides* sp. 2*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Antigua Carcel Principal; verbatimCoordinates: 7° 30' 25.049"N 81° 42' 5.065"O; eventDate: 25-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: DDF24F86-DA8B-59DA-BFE6-EAAC9D2C2C1A

Synema* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BE838814-E203-5531-9160-CD79426015A2

Tmarus ineptus* O. Pickard-Cambridge, 1892*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Gambute; verbatimCoordinates: 7° 37' 41.657"N 81° 43' 59.174"O; eventDate: 27-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 102247F9-C070-5DAF-A028-B78AFE7F0601
- b. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 1 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D35984B5-D9CF-5586-868D-49898B38B1DD
- c. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 16-09-21; sex: 1 female, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B66FC272-6A71-5CBC-A057-C98F17AE21BD
- d. country: Panama; locality: Coiba; verbatimLocality: San Juan; verbatimCoordinates: 7° 27' 34.902"N 81° 43' 18.613"O; eventDate: 26-08-21; sex: 4 female, 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C28C0643-2D79-5C64-B118-40B4D085ED9C
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E3AB3448-95B1-5618-8405-23BA15FCD816

Distribution: Panama, Colombia

Notes: PA, C

Tmarus intentus* O. Pickard-Cambridge, 1892*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 18A24816-B46A-564E-909B-3236ECA9EFBF

Distribution: Guatemala, Panama

Notes: GU, PA

Tmarus probus* Chickering, 1950*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: AF611E31-8BBF-5523-8CA2-B5992EECF0F

Distribution: Panama (endemic)

Notes: PA

Tmarus* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0D96AABD-D8F9-5BFB-A2ED-C2ABA51A1D55

Tmarus studiosus* O. Pickard-Cambridge, 1892*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1B9E8A6E-F828-576C-9311-1CA32F9B78E4
- b. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 25-08-21; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 9F5E693E-B0A3-5966-A8CC-01F7D6108769

Distribution: Panama (endemic)

Notes: PA

Trachelas* sp. 1*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Mirador Alto; verbatimCoordinates: 7° 37' 33.488"N 81° 43' 41.199"O; eventDate: 26-08-21; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: C2EB62FB-55E1-59E6-B0AE-63B287752393
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 339319CA-2AEE-50EF-8435-B262D8BF40D4

Cupiennius* cf. *granadensis**Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 1-07-22; sex: 4 female, 2 male, 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 113918C0-B31A-5B74-A099-7BFFC6A18235
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 7-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 46C2EC2C-3162-5545-8C24-2CB4743D282B
- c. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3836C441-2BEC-5203-BA9E-035AE4EDFB0B
- d. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 25-03-22; sex: 2 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E9BCCBB2-F9F6-522E-9C23-877D55D5685C
- e. country: Panama; locality: Coiba; verbatimLocality: Playa Hermosa; verbatimCoordinates: 7° 30' 53.708"N 81° 52' 0.411"O; eventDate: 26-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 2111A3CC-DC03-5F02-94E8-12CDBB309241
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 24-03-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 1AEC5D1C-80CF-585C-A33C-ABD7613DC741
- g. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 32229956-6CA0-5CC6-84B2-35B027C12935

Cupiennius* *coccineus* F. O. Pickard-Cambridge, 1901*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. MiAmbiente Principal; verbatimCoordinates: 7° 37' 37.024"N 81° 43' 46.56"O; eventDate: 29-01-22; sex: 1

immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 0EF43589-9034-5FF4-95BC-FFD9BCF2EE1B

Distribution: Costa Rica to Colombia

Notes: CR-CO

Cupiennius sp. 1

Material

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D591C79A-F446-526F-A70A-E7698530E7D0

Trechaela extensa (O. Pickard-Cambridge, 1896)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 3 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 7527DFFF-AD61-54FD-BB9E-97DAF5FA19FA
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 074DC130-9C7E-55B1-AC38-B07DB7CF9A91
- c. country: Panama; locality: Coiba; verbatimLocality: Isla Canales Afuera; verbatimCoordinates: 7° 41' 15.77"N 81° 37' 47.539"O; eventDate: 30-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 8969993C-46D6-5FB9-B106-8FED832D2559

Distribution: Mexico to Panama

Notes: MX-CA

Miagrammopes simus Chamberlin & Ivie, 1936

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: ACAABC88-57BE-5482-8528-F090FDC9B5BB
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-12-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BB7B705E-1925-526F-A428-160481A55490

- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 4157CD89-FF04-5051-9D3F-A22F174BBDA9
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: A43ECB9B-C39A-5421-B6DD-AED877E8A076

Notes: PA

Miagrammopes sp. 1

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female, 4 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: F46F124D-481E-5C07-9FFA-D7D37F915FD0
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6D261D60-25D8-5CA4-B8B6-2359C7478BE8

Distribution: Panama (endemic)

Philoponella tings (Chamberlin & Ivie, 1936)

Materials

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 female, 1 male; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D83C92C9-E74C-59D0-AF40-7447DF17BEED
- b. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 3D3FFCCB-F1E7-561B-8F83-D06B6D1E98B4
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: BFFB19FF-524A-508A-9764-DB26AEBC378
- d. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 29-01-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B0DF11D1-CF1D-5AFE-A18A-8AD233FA5DC2

Distribution: Mexico to Colombia

Notes: MX-SA

Uloborus* sp. 1*Material**

- a. country: Panama; locality: Coiba; verbatimLocality: Est. Coiba AIP Principal; verbatimCoordinates: 7° 36' 0.461"N 81° 43' 27.094"O; eventDate: 26-08-21; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 06916930-90F8-561E-861C-F722FE88571B

Uloborus trilineatus* Keyserling, 1883*Materials**

- a. country: Panama; locality: Coiba; verbatimLocality: Sendero de Coiba AIP; verbatimCoordinates: 7° 36' 4.903"N 81° 43' 29.06"O; eventDate: 6-12-22; sex: 1 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 6FA209D7-6562-51A1-B7F4-166FF4058ADB
- b. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 7-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: E0CBA598-FE27-5F23-B35D-B528618DAE47
- c. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 8-02-23; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: ED18C528-84F5-5333-A6DB-C483DC384969
- d. country: Panama; locality: Coiba; verbatimLocality: Isla Rancheria; verbatimCoordinates: 7° 38' 14.867"N 81° 42' 10.497"O; eventDate: 24-03-22; sex: 1 female; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: B2392EA5-E96C-544A-982B-14CFF7D00D8C
- e. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 18-10-22; sex: 2 immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: D02DF7DF-3B27-5DAF-B0E7-704154A5F338
- f. country: Panama; locality: Coiba; verbatimLocality: Sendero Los Monos; verbatimCoordinates: 7° 36' 2.891"N 81° 43' 35.187"O; eventDate: 19-10-22; sex: 1 female immature; recordedBy: Daniel Murcia & Dumas Galvez; occurrenceID: 98682097-002A-52C8-BBAA-A77A1B18F455

Distribution: Mexico to Argentina

Notes: MX-SA

Analysis

A total of 635 individuals were identified belonging to 152 species from 98 genera in 30 families (Table 2). In terms of species richness per family, we identified 23 species of Araneidae (15%), 22 Theridiidae (14%), 20 Salticidae (13%), 10 Tetragnathidae or Thomisidae (both 7%), seven Ctenidae or Corinnidae (both 5%), six Sparassidae (4%), five Uloboridae or Pholcidae (both 3%), plus four Trechaleidae, three Anyphaenidae,

Clubionidae, Lycosidae, Mimetidae, Scytodidae and two Oonopidae, Selenopidae or Theridiosomatidae (all < 2%). We found only one species for the families Caponiidae, Cheiracanthiidae, Cyrtacheniidae, Filistatidae, Gnaphosidae, Hersiliidae, Oxyopidae, Senoculidae and Trachelidae. These latter families were the least abundant as well, while the families with comparatively more individuals collected were Araneidae (172 specimens, 27%), Theridiidae (81, 13%) Thomisidae (23, 3.6%), Salticidae (65, 10%), Tetragnathidae (56, 8%) and Ctenidae (41, 6%). Overall, our sampling is unlikely to have reported all the species present in the Park and the total number of species could be around 237 species, based on the extrapolation (Fig. 2). Moreover, comparisons between sites still requires more sampling in most places and a systematic use of a more equivalent sampling method in all the sites. For example, site 9 showed the highest richness and abundance, likely due to the higher number of visits as compared to other sites (e.g. 1,7, Suppl. material 2), rather than a true reflection of any richer or more abundant araneofauna. Alternatively, it seems logical that, if given equivalent sampling effort, a forest habitat (e.g. site 1) contains a higher abundance and richness of spiders than a coastal - mangrove habitat (e.g. site 7).

Table 2.

Checklist of spiders in National Park Coiba. Abbreviation for samples: imm = immature. Abbreviations for Guild: AH = Ambush Hunter, CW = Space Web, GH = Ground Hunters, OH = Other Hunters, OW = Orb Web, SP = Specialist and SW = Sensing Web. Affinities: NEO = neotropical, COS = Cosmopolitan, end = endemic and * = new record. Region summarises only the distribution in the American continent: AR = Argentina, BR = Brazil, CA = Central America, C = Caribbean, CO = Colombia, CR = Costa Rica, EC = Ecuador, GT = Guatemala, MX = Mexico, NA = North America, NI = Nicaragua, PA = Panama, PE = PERU, SA = South America. For the location codes, see Table 1. Distributions are based on World Spider Catalogue (2023). All samples are from understorey level with the exception of few individuals collected in the canopy, depicted as ^{ca} with the number next to it indicating the number of individuals sampled.

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|--------------|-------|-------------------|------------|--|-------------|
| Fam. Anyphaenidae | | OH | | | | |
| 1. <i>Macrophyes elongata</i> Chickering, 1937 | 1 ♂ | | 6 | NEO | Costa Rica, Panama | CR-PA |
| 2. <i>Wulfilia modestus</i> Chickering, 1937 | 1 ♂ | | 8 | NEO | Panama (end) | PA |
| 3. <i>Wulfilia</i> sp. 1 | 1 ♀ | | 9 | | | |
| Fam. Araneidae | | OW | | | | |
| 4. <i>Acacesia tenella</i> (L. Koch, 1871) | 2 ♂ 2 ♀ | | 6, 10 | NEO | Mexico to Brazil, French Guiana, Guyana | MX-SA |
| 5. <i>Allocyclosa bifurca</i> (McCook, 1887) | 1 ♀ | | 11 | NEO | USA to Panama, Turks & Caicos, Cuba, Hispaniola | NA-CA- C |
| 6. <i>Cyclosa caroli</i> (Hentz, 1850) | 9 ♀ 1 imm | | 2, 6, 8, 9, 12 | NEO | USA, Caribbean to Bolivia | NA-C- SA |
| 7. <i>Eriophora ravilla</i> (C. L. Koch, 1844) | 2 ♀ | | 4, 6 | NEO | USA to Brazil | NA-SA |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|--|-------------------|-------|--------------------------|------------|---|---------|
| 8. <i>Eustala bifida</i> F. O. Pickard-Cambridge, 1904 | 1 ♂ 2 ♀ | | 8, 12 | NEO | USA to Panama | NA-CA |
| 9. <i>Eustala aff devia</i> | 5 ♀ | | 6, 12 | | | |
| 10. <i>Eustala exigua</i> Chickering, 1955 | 1 ♂ | | 6 | NEO | Panama (end) | PA |
| 11. <i>Eustala fuscovittata</i> (Keyserling, 1864) | 1 ♂ 1 ♀ | | 9 | NEO | Mexico, Cuba to South America | MX-C-CA |
| 12. <i>Eustala guttata</i> F. O. Pickard-Cambridge, 1904 | 4 ♂ 5 ♀ | | 1, 3, 5, 6, 8, 9, 13 | NEO | Mexico to Brazil | MX-SA |
| 13. <i>Eustala scutigera</i> (O. Pickard-Cambridge, 1898) | 4 ♂ 10 ♀ | | 8, 9, 12, 13 | NEO | Mexico to Panama | MX-CA |
| 14. <i>Eustala semifoliata</i> (O. Pickard-Cambridge, 1899) | 2 ♀ 1 imm | | 4, 9, 11 | NEO | Central America | CA |
| 15. <i>Eustala</i> sp. 1 | 1 ♂ | | 8 | | | |
| 16. <i>Eustala</i> sp. 2 | 1 ♀ | | 7 | | | |
| 17. <i>Eustala</i> sp. 3 | 58 imm | | 3, 4, 6, 7, 8, 9, 10, 12 | | | |
| 18. <i>Eustala tantula</i> Chickering, 1955 | 1 ♂ | | 10 | NEO | Panama (end) | |
| 19. <i>Larinia directa</i> (Hentz, 1847) | 1 ♀ 2 imm | | 7, 9 | NEO | USA to Brazil | NA-SA |
| 20. <i>Metazygia keyserlingi</i> Banks, 1929 | 1 ♂ 4 ♀ | | 9, 12 | NEO | Costa Rica, Panama, Colombia, Trinidad | CA-SA |
| 21. <i>Micrathena horrida</i> (Taczanowski, 1873) | 1 ♀ | | 12 | NEO | Greater Antilles, Mexico to Argentina | MX-C-SA |
| 22. <i>Parawixia hypocrita</i> (O. Pickard-Cambridge, 1889) | 1 ♀ 9 imm | | 6, 8, 9, 12 | NEO | Guatemala to Brazil | CA-SA |
| 23. <i>Parawixia</i> sp. 1 | 1 ♂ | | 9 | | | |
| 24. <i>Pronous intus</i> Levi, 1995 | 1 ♀ 1 imm | | 6, 10 | NEO | Costa Rica to Brazil | CA-SA |
| 25. <i>Wagneriana tauricornis</i> (O. Pickard-Cambridge, 1889) | 5 ♂ 19 ♀ 7 imm | | 6, 8, 9, 10, 11, 12, 13 | NEO | USA to Peru | NA-SA |
| 26. <i>Witica crassicaudus</i> (Keyserling, 1865) | 2 ♀ 2 imm | | 9, 11, 12 | NEO | Mexico to Peru | MX-SA |
| Fam. Caponiidae | | SP | | | | |
| 27. <i>Nops largus</i> Chickering, 1967 | 1 ♂ | | 8 | NEO | Panama (end) | PA |
| Fam. Cheiracanthiidae | | OH | | | | |
| 28. <i>Eutichurus putus</i> O. Pickard-Cambridge, 1898 | 1 ♀ | | 4 | NEO | Panama, Colombia, Ecuador, Peru, Brazil | PA-SA |
| Fam. Clubionidae | | OH | | | | |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|-----------------------|-------|----------------|------------|---|--------|
| 29. <i>Elaver</i> cf. <i>tigrina</i> | 1 ♂ 3 ♀ | | 6, 9 | | | |
| 30. <i>Elaver lutescens</i> (Schmidt, 1971) | 1 ♀ | | 8 | NEO | Panama to Brazil | PA-SA |
| 31. <i>Elaver</i> sp. 1 | 1 ♀ | | 9 | | | |
| 32. <i>Elaver</i> spp. | 11 imm ^{1ca} | | 6, 8, 9, 13 | | | |
| Fam. Corinnidae | | GH | | | | |
| 33. <i>Castianeira</i> sp. 1 | 1 ♀ | | 9 | | | |
| 34. <i>Castianeira</i> sp. 2 | 1 ♀ 1 imm | | 6, 13 | | | |
| 35. <i>Corinna bulbosa</i> F. O. Pickard-Cambridge, 1899 | 2 ♂ 1 ♀ | | 8, 9 | NEO | Mexico to Panama | MX-CA |
| 36. <i>Corinna</i> sp. 1 | 1 ♀ | | 6 | | | |
| 37. <i>Creugas</i> cf. <i>mucronatus</i> | 1 ♀ | | 9 | | | |
| 38. <i>Mazax spinosa</i> (Simon, 1898) | 1 ♂ 4 ♀ 3 imm | | 2, 3, 4, 6, 13 | NEO | Guatemala, Panama, St. Lucia, St. Vincent | CA-C |
| 39. <i>Simonestus</i> sp. 1 | 1 ♀ 1 imm | | 9 | | | |
| Fam. Ctenidae | | OH | | | | |
| 40. <i>Acanthoctenus lamarrei</i> Arizala, Labarque & Polotow, 2021 | 5 ♂ 3 ♀ 2 imm | | 8 | NEO | Panama (end) | PA |
| 41. <i>Ancylometes bogotensis</i> (Keyserling, 1877) | 1 ♂ 4 ♀ 3 imm | | 6, 9 | NEO | Honduras to Bolivia | CA-SA |
| 42. <i>Ctenus nigrolineatus</i> * Berland, 1913 | 1 ♂ 3 ♀ 2 imm | | 8, 9, 12 | NEO | Ecuador | PA, EC |
| 43. <i>Kiekie barrocolorado</i> Polotow & Brescovit, 2018 | 1 ♂ | | 6 | NEO | Panama (end) | PA |
| 44. <i>Kiekie panamensis</i> Polotow & Brescovit, 2018 | 4 ♂ 2 ♀ 2 imm | | 3, 6, 8, 9, 10 | NEO | Panama (end) | PA |
| 45. <i>Phoneutria depilata</i> (Strand, 1909) | 1 ♂ 1 ♀ | | 6 | NEO | Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador | CA-SA |
| 46. Genus. 1 sp. 1 | 3 ♂ 2 ♀ 1 imm | | 6, 9 | | | |
| Fam. Cyrtaucheniidae | | SW | | | | |
| 47. <i>Bolostromus panamanus</i> (Petrunkevitch, 1925) | 1 ♂ 2 ♀ | | 6, 9, 13 | NEO | Costa Rica, Panama | CR-PA |
| Fam. Filistatidae | | SW | | | | |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|-------------------|-------|----------------|------------|--|--------|
| 48. <i>Labahitha marginata</i> (Kishida, 1936) | 1 ♀ | | 13 | COS | Taiwan, Philippines, Papua New Guinea, Pacific Is. Introduced to Mexico, Central America, Brazil | MX-SA |
| Fam. Gnaphosidae | | GH | | | | |
| 49. <i>Zimirus tropicalis</i> (Banks, 1909) | 1 ♀ | | 13 | NEO | Costa Rica, Panama | CR-PA |
| Fam. Hersiliidae | | SW | | | | |
| 50. <i>Neotama mexicana</i> (O. Pickard-Cambridge, 1893) | 1 ♀ 1 imm | | 7, 9 | NEO | USA to Peru, Guyana | NA-SA |
| Fam. Lycosidae | | GH | | | | |
| 51. <i>Allocosa cf. panamena</i> | 4 ♂ 3 ♀ 1 imm | | 2, 8, 9 | | | |
| 52. <i>Arctosa</i> sp. 1 | 1 ♂ | | 9 | | | |
| 53. <i>Hogna</i> sp. 1 | 2 ♂ 1 ♀ | | 1, 3 | | | |
| Fam. Mimetidae | | SP | | | | |
| 54. <i>Gelanon zonatus</i> (C. L. Koch, 1845) | 3 ♂ 1 imm | | 9 | NEO | Mexico to Uruguay | MX-SA |
| 55. <i>Mimetus trituberculatus</i> O. Pickard-Cambridge, 1899 | 3 ♂ 8 ♀ 2 imm | | 3, 6, 8, 9, 13 | NEO | Panama (end) | PA |
| 56. <i>Mimetus verecundus</i> Chickering, 1947 | 1 ♀ | | 9 | NEO | Panama (end) | PA |
| Fam. Nephilidae | | OW | | | | |
| 57. <i>Trichonephila clavipes</i> (Linnaeus, 1767) | 1 ♂ 1 ♀ | | 11 | NEO | USA to Argentina. Introduced to São Tomé and Príncipe | NA-SA |
| Fam. Oonopidae | | GH | | | | |
| 58. <i>Costarina cf. recondita</i> | 1 ♀ | | 8 | | | |
| 59. <i>Ponsoonops</i> sp. 1 | 1 ♂ | | 8 | | | |
| Fam. Oxyopidae | | OH | | | | |
| 60. <i>Hamataliwa</i> sp. 1 | 1 imm | | 9 | | | |
| Fam. Pholcidae | | CW | | | | |
| 61. <i>Modisimus cf. guatuso</i> | 1 ♂ 2 ♀ 2 imm | | 6, 8, 9 | | | |
| 62. <i>Modisimus</i> sp. 1 | 1 imm | | 6 | | | |
| 63. <i>Metagonia delicata</i> (O. Pickard-Cambridge, 1895) | 2 ♂ | | 9 | NEO | Mexico to Panama | MX-CA |
| 64. <i>Metagonia</i> sp. 1 | 2 ♀ ^{ca} | | 6 | | | |
| 65. <i>Physocyclus</i> sp. 1 | 3 ♀ | | 3, 13 | | | |
| Fam. Salticidae | | OH | | | | |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|--|------------------|-------|-------------------|------------|--|-----------|
| 66. <i>Acragas peckhami</i> (Chickering, 1946) | 3 ♂ 2 ♀ | | 6, 7, 9, 11, 13 | NEO | Panama, Colombia | PA-CO |
| 67. <i>Anasaitis canalis</i> (Chamberlin, 1925) | 2 ♂ 5 ♀ | | 6, 8, 11 | NEO | Panama, Colombia | PA-CO |
| 68. <i>Chapoda gitae</i> * Zhang & Maddison, 2012 | 1 ♂ | | 7 | NEO | Colombia, Ecuador | CO-EC |
| 69. <i>Chapoda recondita</i> (G. W. Peckham & E. G. Peckham, 1896) | 2 ♂ 5 ♀ 1 imm | | 9 | NEO | Guatemala, Costa Rica, Panama | GT, CR-PA |
| 70. <i>Cobanus extensus</i> (G. W. Peckham & E. G. Peckham, 1896) | 5 ♀ | | 6, 11, 13 | NEO | Panama (end) | PA |
| 71. <i>Colonus</i> sp. 1 | 2 imm | | 6, 8 | | | |
| 72. <i>Corythalia opima</i> (G. W. Peckham & E. G. Peckham, 1885) | 1 ♂ 1 ♀ 1 imm | | 8, 9, 13 | NEO | USA, Mexico, Guatemala, El Salvador | NA-CA |
| 73. <i>Corythalia spiralis</i> (F. O. Pickard-Cambridge, 1901) | 2 ♂ | | 6, 13 | NEO | Colombia, Venezuela, French Guiana, Brazil | SA |
| 74. <i>Corythalia sulphurea</i> (F. O. Pickard-Cambridge, 1901) | 1 ♀ | | 11 | NEO | Costa Rica, Panama | CR-PA |
| 75. <i>Habronattus mexicanus</i> (G. W. Peckham & E. G. Peckham, 1896) | 1 ♀ | | 1 | NEO | USA to Panama, Caribbean | NA-C-CA |
| 76. <i>Leptofreya bifurcata</i> (F. O. Pickard-Cambridge, 1901) | 1 ♂ | | 13 | NEO | Mexico, Panama | MX, PA |
| 77. <i>Lyssomanes</i> sp. 1 | 5 imm | | 3, 6, 8, 9 | | | |
| 78. <i>Menemerus bivittatus</i> (Dufour, 1831) | 1 ♀ | | 13 | COS | Africa. Introduced to North, Central and South America, southern Europe, Turkey, India, China, Taiwan, Japan, Australia, Pacific Is. | NA-CA-SA |
| 79. <i>Myrmapana panamensis</i> (Galiano, 1969) | 1 ♂ 1 imm | | 3 | NEO | Panama, Argentina | PA, AR |
| 80. <i>Noegys spiralifer</i> (F. O. Pickard-Cambridge, 1901) | 1 ♂ | | 9 | NEO | Guatemala, Panama | GU, PA |
| 81. <i>Psecas</i> sp. 1 | 1 imm | | 8 | | | |
| 82. <i>Sarinda nigra</i> * G. W. Peckham & E. G. Peckham, 1892 | 1 ♂ 2 ♀ 1 imm | | 6 | NEO | Nicaragua, Guyana, Brazil, Paraguay, Argentina | NI, SA |
| 83. <i>Sidusa flavens</i> (G. W. Peckham & E. G. Peckham, 1896) | 10 ♂ 1 imm | | 4, 5, 7, 8, 9, 11 | NEO | Panama (end) | PA |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|------------------|-------|-----------------------|------------|--|-----------|
| 84. <i>Xanthofreya albosignata</i> (F. O. Pickard-Cambridge, 1901) | 1 ♂ | | 9 | NEO | Guatemala, Panama, Colombia, Brazil | GU, PA-SA |
| 85. <i>Xanthofreya arraijanica</i> (Chickering, 1946) | 1 ♂ | | 9 | NEO | Panama, Colombia | PA, CO |
| Fam. Scytodidae | | OH | | | | |
| 86. <i>Scytodes</i> cf. <i>intricata</i> | 3 ♂ 3 ♀ 7 imm | | 1, 3, 8, 9 | | | |
| 87. <i>Scytodes fusca</i> Walckenaer, 1837 | 2 ♂ 3 ♀ 4 imm | | 8, 9, 11, 13 | NEO | Northern to Southern America. Introduced to Europe, Africa, Seychelles, India, Myanmar, China, Japan, Hawaii | NA-SA |
| 88. <i>Scytodes</i> sp. 1 | 1 imm | | 6 | | | |
| Fam. Selenopidae | | AH | | | | |
| 89. <i>Selenops</i> sp. 1 | 2 imm | | 3, 9 | | | |
| 90. <i>Selenops</i> sp. 2 | 1 imm | | 6 | | | |
| Fam. Senoculidae | | OH | | | | |
| 91. <i>Senoculus rubicundus</i> Chickering, 1953 | 1 ♀ 10 imm | | 4, 6, 8, 9, 10, 11 | NEO | Panama (end) | PA |
| Fam. Sparassidae | | OH | | | | |
| 92. <i>Meri</i> sp. 1 | 1 imm | | 6 | | | |
| 93. <i>Meri</i> sp. 2 | 3 imm | | 9, 11 | | | |
| 94. <i>Nolavia</i> sp. 1 | 1 ♀ | | 3 | | | |
| 95. <i>Nolavia stylifer</i> (F. O. Pickard-Cambridge, 1900) | 1 ♂ | | 6 | NEO | Mexico, Brazil | MX, BR |
| 96. <i>Sparianthis chickeringi</i> (Gertsch, 1941) | 1 ♀ 1 imm | | 8, 10 | NEO | Panama (end) | PA |
| 97. <i>Uaiuara</i> sp. 1 | 1 imm | | 9 | | | |
| Fam. Tetragnathidae | | OW | | | | |
| 98. <i>Dolichognatha pentagona</i> (Hentz, 1850) | 1 ♂ 1 ♀ 2 imm | | 8, 10 | NEO | USA to Venezuela | NA-SA |
| 99. <i>Dolichognatha spinosa</i> (Petrunkevitch, 1939) | 4 ♂ 2 ♀ 5 imm | | 6, 9, 12, 13 | NEO | Panama (end) | PA |
| 100. <i>Leucauge saphes</i> Chamberlin & Ivie, 1936 | 1 ♀ 1 imm | | 8, 9 | NEO | Panama (end) | PA |
| 101. <i>Leucauge</i> sp. 1 | 1 imm | | 11 | | | |
| 102. <i>Leucauge</i> sp. 2 | 2 ♀ 1 imm | | 12 | | | |
| 103. <i>Metabus</i> cf. <i>debilis</i> | 1 ♂ | | 13 | | | |
| 104. <i>Tetragnatha cambridgei</i> Roewer, 1942 | 1 ♂ | | 13 | NEO | Mexico, Central America, Puerto Rico | MX-C-CA |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|--------------------|-------|--------------------------|------------|--|----------------|
| 105. <i>Tetragnatha pallida</i> O. Pickard-Cambridge, 1889 | 3 ♂ 11 ♀ 1 imm | | 2, 3, 6, 8, 9, 11, 13 | NEO | Costa Rica, Panama | CR, PA |
| 106. <i>Tetragnatha tenuissima</i> O. Pickard-Cambridge, 1889 | 2 ♂ 8 ♀ 1 imm | | 6, 9, 11 | NEO | Mexico, Central America, Caribbean to Brazil, Argentina | MX-CA- C-SA |
| 107. <i>Tetragnatha</i> sp. 3 | 7 imm | | 3, 6, 9, 11, 12 | | | |
| Fam. Theraphosidae | | GH | | | | |
| 108. <i>Sericopelma</i> sp. 1 | 1 ♀ | | 8 | | | |
| Fam. Theridiidae | | CW | | | | |
| 109. <i>Ariamnes attenuatus</i> O. Pickard-Cambridge, 1881 | 1 ♂ 3 ♀ 1 imm | | 6, 9, 11 | NEO | Costa Rica, Caribbean to Argentina | CR, C- SA |
| 110. <i>Chryso albomaculata</i> O. Pickard-Cambridge, 1882 | 1 ♀ | | 9 | NEO | USA, Mexico to Brazil, Caribbean | NA-C- SA |
| 111. <i>Chryso</i> cf. <i>vallensis</i> | 1 ♂ 2 ♀ | | 6, 9 | | | |
| 112. <i>Cryptachaea</i> cf. <i>taeniata</i> | 6 ♀ 2 imm | | 6, 8, 10 | | | |
| 113. <i>Dipoena</i> sp. 1 | 1 ♂ | | 11 | | | |
| 114. <i>Dipoena</i> sp. 2 | 1 ♀ | | 8 | | | |
| 115. <i>Emertonella</i> cf. <i>taczanowskii</i> | 1 ♂ | | 6 | | | |
| 116. <i>Episinus</i> cf. <i>pyrus</i> | 3 imm | | 8, 9, 10 | | | |
| 117. <i>Episinus</i> sp. 1 | 1 ♂ | | 11 | | | |
| 118. <i>Episinus</i> sp. 2 | 2 ♂ 1 ♀ | | 9 | | | |
| 119. <i>Hentziectypus</i> sp. 1 | 1 ♀ | | 3 | | | |
| 120. <i>Neopisinus bruneoviridis</i> (Mello-Leitão, 1948) | 3 ♀ | | 6, 9, 13 | NEO | Panama, Trinidad to Brazil | PA, C- BR |
| 121. <i>Neopisinus putus</i> (O. Pickard-Cambridge, 1894) | 9 ♂ 14 ♀ 10 imm | | 3, 4, 6, 8, 9, 10, 13 | NEO | Mexico to Panama | MX-CA |
| 122. <i>Neospintharus</i> sp. 1 | 1 ♂ | | 9 | | | |
| 123. <i>Phycosoma altum</i> (Keyserling, 1886) | 1 ♂ 1 ♀ | | 11, 13 | NEO | Mexico to Brazil. Introduced to Hawaii | MX-BR |
| 124. <i>Rhomphaea</i> cf. <i>projiciens</i> | 3 ♀ | | 5, 9 | | | |
| 125. <i>Rhomphaea metaltissima</i> Soares & Camargo, 1948 | 1 ♀ | | 4 | NEO | Panama to Brazil | PA-BR |
| 126. <i>Rhomphaea paradoxa</i> (Taczanowski, 1873) | 3 ♂ 2 ♀ 1 imm | | 1, 4, 8, 9, 10 | NEO | St. Vincent, Mexico to Brazil | MX-BR, C |
| 127. <i>Theridion</i> sp. 1 | 1 ♀ | | 11 | | | |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|--|-----------------------------|-------|----------------|------------|---|----------------|
| 128. <i>Thwaitesia affinis</i> O. Pickard-Cambridge, 1882 | 2 ♂ 4 ♀ 5 imm ^{ca} | | 3, 4, 6, 9, 10 | NEO | Panama to Paraguay | PA-SA |
| 129. <i>Thwaitesia</i> sp. 1 | 2 imm | | 9, 11 | | | |
| 130. <i>Wamba crispulus</i> (Simon, 1895) | 1 ♀ | | 13 | NEO | Canada to Brazil, Caribbean | NA-SA, C |
| Fam. Theridiosomatidae | | OW | | | | |
| 131. <i>Epilineutes globosus</i> (O. Pickard-Cambridge, 1896) | 3 imm | | 9, 11 | NEO | Mexico to Brazil | NA-SA |
| 132. <i>Naatlo</i> sp. 1 | 1 ♂ | | 9 | | | |
| Fam. Thomisidae | | AH | | | | |
| 133. <i>Epicadus taczanowskii</i> (Roewer, 1951) | 1 ♂ | | 9 | NEO | Hispaniola, Costa Rica, Panama to Peru, Bolivia, Brazil | C, CR-SA |
| 134. <i>Epicadus tuberculatus</i> (Petrunkevitch, 1910) | 1 ♂ 1 ♀ | | 8, 11 | NEO | Panama, Ecuador, Peru, Brazil | PA, EC, PE, BR |
| 135. <i>Misumenoides</i> sp. 1 | 1 imm | | 5 | | | |
| 136. <i>Misumenoides</i> sp. 2 | 1 imm | | 1 | | | |
| 137. <i>Synema</i> sp. 1 | 1 imm | | 7 | | | |
| 138. <i>Tmarus ineptus</i> O. Pickard-Cambridge, 1892 | 7 ♀ 5 imm | | 5, 6, 7, 9 | NEO | Panama, Colombia | PA, CO |
| 139. <i>Tmarus intentus</i> O. Pickard-Cambridge, 1892 | 1 ♀ | | 6 | NEO | Guatemala, Panama | GU, PA |
| 140. <i>Tmarus probus</i> Chickering, 1950 | 1 ♂ | | 13 | NEO | Panama (end) | PA |
| 141. <i>Tmarus</i> sp. 1 | 1 ♀ | | 8 | | | |
| 142. <i>Tmarus studiosus</i> O. Pickard-Cambridge, 1892 | 2 ♀ | | 2, 8 | NEO | Panama (end) | PA |
| Fam. Trachelidae | | GH | | | | |
| 143. <i>Trachelas</i> sp. 1 | 2 ♂ | | 4, 9 | | | |
| Fam. Trechaleidae | | SP | | | | |
| 144. <i>Cupiennius</i> cf. <i>granadensis</i> | 2 ♂ 6 ♀ 8 imm | | 3, 6, 8, 9 | | | |
| 145. <i>Cupiennius coccineus</i> F. O. Pickard-Cambridge, 1901 | 1 imm | | 3 | NEO | Costa Rica to Colombia | CR-CO |
| 146. <i>Cupiennius</i> sp. 1 | 1 imm | | 9 | | | |
| 147. <i>Trechaela extensa</i> (O. Pickard-Cambridge, 1896) | 1 ♂, 4 imm | | 9, 11 | NEO | Mexico to Panama | MX-CA |
| Fam. Uloboridae | | OW | | | | |

| Species | Samples | Guild | Location | Affinities | Distribution | Region |
|---|------------------|-------|----------|------------|---------------------|--------|
| 148. <i>Miagrammopes simus</i> Chamberlin & Ivie, 1936 | 3 ♂ 1 ♀ | | 8, 9 | NEO | Panama (end) | PA |
| 149. <i>Miagrammopes</i> sp. 1 | 1 ♀ 2 imm | | 9 | | | |
| 150. <i>Philoponella tingens</i> (Chamberlin & Ivie, 1936) | 1 ♂ 3 ♀ 1 imm | | 8, 9, 13 | NEO | Mexico to Colombia | MX-SA |
| 151. <i>Uloborus</i> sp. 1 | 1 imm | | 2 | | | |
| 152. <i>Uloborus trilineatus</i> Keyserling, 1883 | 3 ♀ 4 imm | | 8, 9, 13 | NEO | Mexico to Argentina | MX-SA |

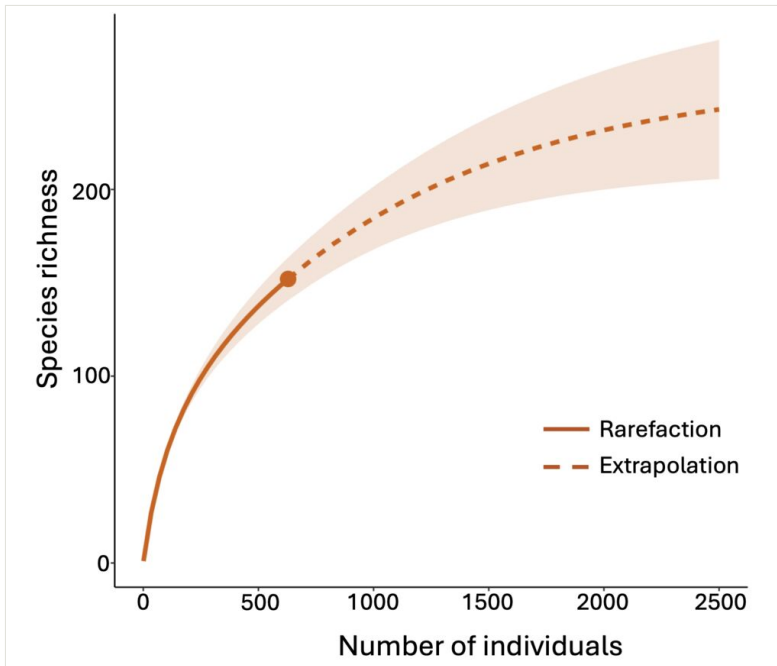


Figure 2. [doi](#)

Rarefaction curve showing observed species richness of spiders in Coiba National Park. The dotted line represents the extrapolation of the sampling curve with 95% confidence intervals (shaded area). Sampling was carried out from August 2021 to August 2023 in 13 sites of the Park.

The spiders collected fell into seven functional groups (i.e. guilds, Table 2). The dominant guild was Other Hunters (OH) with 46 species (30%) including the families Salticidae, Ctenidae and Sparassidae. The next most dominant were Orb-Web (OW) with 41 species (27%), followed by Space Webs (CW) with 27 species (18%). Less prevalent were Ground Hunters (GH) with 14 species (9%), then Ambush Hunters (AH) with 12 species (8%). Finally, rare guilds were Specialist (SP) with eight species (5%) and Sensing Web (SW) with four species (3%).

In terms of biogeography, 150 species are of Neotropical origin, with varying ranges of distribution; for example, we can highlight five species in the range NA-CA, twelve species in NA-SA, five species in CA-SA, nine species in MX-SA, seven species in MX-CA, five species in CR-PA and three species in CO-PA, amongst other regional distributions. The species *Labahitha marginata* (Kishida, 1936) and *Menemerus bivittatus* (Dufour, 1831) have a cosmopolitan distribution (Magalhaes et al. 2022, World Spider Catalog 2023). We found 19 species that are endemic to Panama, but neither of the two endemic species previously documented in the literature for Coiba National Park. In addition, the species *Ctenus nigrolineatus* Berland (1913), *Chapoda gitae* Zhang & Maddison, 2012 and *Sarinda nigra* Peckham & Peckham 1892 are reported as new country records for Panama (Figs. S1 and S2 in Suppl. material 1). Finally, we found five individuals of Ctenidae that did not match the morphology of any ctenid species reported for the Americas (Genus. 1 sp. 1, Table 2).

Discussion

Panama contains between 1223 (Nentwig 1993) and 1236 described species of spiders (Murcia-Moreno, unpubl. data), with at least 154 species now recorded for Coiba National Park; 152 in the present study and at least another two in literature (Miranda et al. 2013, Bolzern 2014). Compared to other Pacific Islands, the total number of spider species in Coiba is relatively high. For example, the list of spiders on Easter Island comprises 36 species in a single sampling (Baert et al. 1997). In contrast, Cocos Island comprises 50 species (Viquez 2020), Galapagos Archipelago 159 species (Baert 2013, Baert 2014, Buchholz et al. 2020) and Hawaii Archipelago 168 species (Suman 1964), with different sampling efforts and sampling size (Suman 1964, Baert 2013, Baert 2014, Buchholz et al. 2020, Viquez 2020). Coiba seems to show a predicted higher diversity than Hawaii and Galapagos despite its smaller size and a potential explanation could be its closer proximity to the mainland, which favours higher immigration rates (MacArthur and Wilson 1963).

It is very likely that further work will reveal more species since our rarefaction curve has not yet reached a plateau, which also means that we cannot make meaningful comparisons between islands and sites at this point. Importantly, higher plant diversity, increased complexity of plant architectures and greater prey abundance strongly correlate with higher spider diversity (Greenstone 1984, Theron et al. 2020, Butz et al. 2023). Therefore, the high diversity of spider species in Coiba may be attributed to the high diversity of plants (1200 spp., Ibañez (2011)) and insects (Nieves-Aldrey and Fontal-Cazalla 1997). Barro Colorado, an artificially created island in Central Panama with similar characteristics to Coiba, harbours at least 1300 plant species (Croat 1978) and 1875 species of insects (Smithsonian Tropical Research Institute 2023), which has led to the report of at least 300 spider species (Chamberlin 1925, Banks 1929, Petrunkevitch 1929, Chamberlin and Ivie 1936, Chickering 1936, Chickering 1955, Nentwig 1993). The main island Coiba is approximately 33 times larger than Barro Colorado (15 km²) and, therefore, we expect at least the same number of species, despite the conservative estimation of the extrapolation curve (~ 237 spp). Alternatively, the spider diversity in this region may be lower as

compared to Central Panama. For instance, a study in the adjacent mainland, in the area of Bahía Honda, found at least 204 spiders species (Quintero A 2005) and 47 of those species were also observed in our study.

Another aspect of utmost importance is the complex interaction of climatic and physical factors, such as high rainfall, humidity and topographic characteristics of Coiba that were not considered during our monitoring. These elements can influence the distribution of the various functional groups within the available microhabitats, because of variation in sites for foraging, shelter or reproduction (Rao 2017). Coiba hosts a wide range of ecological niches in diverse habitats, such as forests, mangroves, shrubs, grasslands, amongst others, which means that different guilds of spiders may be adapting well to these habitats and microhabitats. However, in our study, we monitored mostly sites near the coastline composed of mixed forest, with only one site clearly differing in vegetation composition (location 7, for example, mangrove, herbs), this latter site showing the lowest species richness (9 spp). Future work should be done in the inner parts of the island which would expand our range of microhabitat types and samples sizes to allow meaningful statistical comparisons across sites. A recently installed weather station in Coiba Scientific Station in 2023 can help future studies to obtain accurate estimations of abiotic factors in each habitat and microhabitat type, against which spider population dynamics could be associated.

At the biogeographic level, we have identified species with full distribution in the American continent, Central – South America and North – Central America, in line with the idea that the isthmus of Panama has been a point of encounter and exchange for North and South American spider fauna (Nentwig 1993, Bacon et al. 2015). Nentwig (1993) postulated the Panamanian spider fauna should consist of Central and South American species; however, our results highlight that North American spider fauna also contribute to the overall composition (e.g. NA-CA, MX-CA). Whether some of the allegedly endemic species are truly found only in Panama requires more extensive work in the region. Similarly, species with restricted distribution in Costa Rica – Panama and Colombia – Panama, could suggest that those species were endemic at some point in one of the countries, but some of these are perhaps dispersing more widely across adjacent regions. Overall, the study of invertebrate migrations through the isthmus has received little attention and, for most of the spider species, the dispersal and colonisation processes have not been studied (Nentwig 1993).

It is important to note that, in long-inhabited islands, the presence of human settlements has facilitated the introduction of diverse biota, where it is often unknown whether their arrival occurs naturally or through human intervention (Buchholz et al. 2020, Viquez 2020). In the case of Coiba, there are no settlements, besides the stations from the park rangers and the police. However, the regular visits by tourists to the main island represent an elevated risk for introduction of exotic species. For the cosmopolitan species reported in our dataset, Magalhaes et al. (2022) suggest that the presence of *Labahitha marginata* (Kishida, 1936) on various islands could be due to both natural processes and artificial introductions. To date, this species has been reported from remote Pacific islands, such as Hawaii and the Cook Islands, as well as in regions of continental America extending from

Mexico to Brazil. In Panama, this species has been previously reported on the mainland (Magalhaes et al. 2022), but this is the first record of the species for a Panamanian island. In the case of *Menemerus bivittatus*, this species is associated with disturbed environments, often observed in man-made structures (Wesołowska 1999). The first report of this species in the mainland is from before 1901 (Pickard-Cambridge 1901). Future phylogenetic studies of the genus might shed some light into the timing and pattern of colonisation of these species on various islands.

Regarding endemism, Coiba National Park contains a great diversity of fauna and flora, approximately 70 species are considered endemic, including birds, mammals, plants, insects and arachnids (Ridgely and Gwyne 1992, Ibañez et al. 1997, Olson 2007, González et al. 2010, Mendez-Carvajal 2012, Roubik and De Camargo 2012, Miranda et al. 2013, Bolzern 2014, Costas et al. 2015, Daniel and Carrión 2015, Flores et al. 2016, Valdecasas 2021). We identified 18 species of spiders in our data that are endemic to Panama, each newly recorded in Coiba National Park; however, we did not encounter either of the previously reported endemic spiders from only Coiba National Park, namely *Neocteniza agustinea* Miranda & Arizala, 2013 (Miranda et al. 2013) and *Ponsoonops coiba* Bolzern, 2014 (Bolzern 2014). *Ctenus nigrolineatus* Berland, 1913 is reported as a new finding for Panama and is based on the fact that the individuals collected match the morphological characteristics evidenced in the literature for females and males (Berland (1913); Silva-Dávila (2003)). However, there is no formal description of the female of this species. The original description made by Berland (1913) was based on male individuals collected in Ecuador. Interestingly, the female that we collected also matches the morphological characteristics of *Ctenus w-notatus* Petrunkevitch 1925, a species endemic to Panama, originally described from only females, without males (Petrunkevitch 1925). In this context, we suspect a possible synonymy between *C. nigrolineatus* and *C. w-notatus*. We are currently working on detailing evidence for formal validation (Berland 1913, Silva-Dávila 2003).

In other island studies, in Galapagos, Buchholz et al. (2020) found a high degree of spider endemism in the Galapagos Islands, with at least 50% of their species as endemics. In comparison, the comparatively low endemism of spiders in Coiba can be explained as the relative recent isolation of the island, around 12,000–18,000 years ago (Fairbanks 1989), as compared to ~ 14 million years of isolation of the Galapagos Archipelago (Werner et al. 1999). However, the fraction of endemic spiders from the Galapagos may be reduced as more studies of allied South American araneofauna are carried out, especially from Ecuador, hence revealing their additional presence on the mainland (Buchholz et al. 2020). Moreover, the five ctenid individuals (= Genus 1 sp. 1) that we could not match with any yet known genus of Ctenidae from the Neotropics seemingly belongs to a new genus currently being studied by a specialist (Hazzi N., comm. pers.). Whether this is a new species can be verified when the species belonging to the genus are officially described. Moreover, we failed to identify 59 species (38%); therefore, it remains unknown at the moment whether they are known species or new species. Further work, including current molecular techniques can provide deeper insights into this uncertainty.

In conclusion, this study provides a taxonomic baseline and shows that Coiba National Park still offers vast possibilities for revealing its complete arachnofauna, even for the relatively well known araneofauna, i.e. spiders. Understanding biodiversity and species distribution is an essential part of conservation programmes. Obtaining this information is useful for the long-term management and effective use of biological resources across Panama and beyond and is important for monitoring and conservation actions, based on distributional, temporal and spatial changes. Establishing a list of species in insular areas - where periodic and long-term research is logistically difficult - compared to continental areas, will be useful for future goals, such as monitoring or conservation assessment. For example, Coiba National Park offers the opportunity to study ecological and evolutionary processes, by comparing spider populations and communities with those in the mainland. Moreover, it is of great importance to incorporate current tools for the evaluation of the local araneofauna, which includes DNA barcoding, monitoring of population and community dynamics, plus use of the newly-installed meteorological station on the Island. For example, DNA barcoding could reveal cryptic species or help identify species when only the juveniles are available (Oh and Lee 2022), while data from the meteorological station can help to understand population and community fluctuations in abundance throughout the year (Pitilin et al. 2019). Finally, this work contributes more widely to the understanding of the less studied Latin American araneofauna as compared to its North American counterpart (Santos et al. 2017).

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Author contributions

Idea conception for study by DG. Fieldwork by DM and DG. Spider identification by DM. Results analysis by DM and DG. Manuscript drafting by DM and DG. Revision of last version by DM and DG.

References

- Autoridad Nacional del Ambiente, Maté J, Tovar D, Arcia E, Hidalgo Y (2009) Plan de Manejo del Parque Nacional Coiba. Autoridad Nacional del Ambiente, Panama, 168 pp.
- Bacon CD, Silvestro D, Jaramillo C, Tilston B, Chakrabarty P (2015) Biological evidence supports an early and complex emergence of the Isthmus of Panama. *Proceedings of the National Academy of Sciences* 112 (19): 6110-6115. <https://doi.org/10.1073/pnas.1423853112>

- Baert L, Lehtinen P, Desender K (1997) The spiders (Araneae) of Rapa Nui (Easter Island). *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* 67: 9-32.
- Baert L (2013) Summary of our present knowledge of the spider communities of the Galápagos archipelago. First analysis of the spider communities of the islands. *Belgian Journal of Zoology* 143: 159-185. <https://doi.org/10.26496/bjz.2013.126>
- Baert L (2014) CDF Checklist of Galápagos Arachnids - FCD Lista de especies de Aracnidos Galápagos. In: Bungartz F, Herrera H, Jaramillo P, Tirado N, Jiménez-Uzcátegui G, Ruiz D, Guézou A, F Z (Eds) Charles Darwin Foundation Galápagos species checklist - Lista de especies de Galápagos de la Fundación Charles Darwin. Charles Darwin Foundation / Fundación Charles Darwin, Puerto Ayora, Galápagos. URL: <https://www.darwinfoundation.org/es/datazone/checklist>
- Banks N (1929) Spiders from Panama. *Bulletin of the Museum of Comparative Zoology* 69: 53-96.
- Berland L (1913) Araignées. Mission du Service géographique de l'armée pour la mesure d'un arc du méridien équatorial en Amérique du Sud (1899-1906). 10. Gauthier-Villars, Paris, 79-119 pp. <https://doi.org/10.5962/bhl.title.980>
- Bolzern A (2014) The Neotropical goblin spiders of the new genera *Ponsoonops* and *Bipoonops* (Araneae, Oonopidae). *American Museum Novitates* 3803 (May): 1-70. <https://doi.org/10.1206/3803.1>
- Buchholz S, Baert L, Rodríguez J, Causton CE, Heinke J (2020) Spiders in Galapagos – diversity, biogeography and origin. *Biological Journal of the Linnean Society* 130: 41-48. <https://doi.org/10.1093/biolinnean/blaa019>
- Butz EM, Schmitt LM, Parker JD, Burghardt KT (2023) Positive tree diversity effects on arboreal spider abundance are tied to canopy cover in a forest experiment. *Ecology* 104 (March): e4116. <https://doi.org/10.1002/ecy.4116>
- Cardoso P, Pekár S, Jocqué R, Coddington JA (2011) Global patterns of guild composition and functional diversity of spiders. *PLOSOne* 6 (6): e21710. <https://doi.org/10.1371/journal.pone.0021710>
- Chamberlin RV (1925) Diagnoses of New American Arachnida. *Bulletin of the Museum of Comparative Zoology* 67: 211-248.
- Chamberlin RV, Ivie W (1936) New spiders from Mexico and Panama. *Bulletin of the University of Utah* 27: 1-103.
- Chickering A (1936) Additions to the list of known species of spiders from Barro Colorado Island, Panama. *Transactions of the American Microscopical Society* 55 (4): 449-456. <https://doi.org/10.2307/3222528>
- Chickering AM (1955) Spider hunting in Panama. *Bios* 26: 69-74.
- Corro-Chang P, Cambra RA, Santos AM (2017) Listado sinóptico de Pompilidae (Hymenoptera) presentes en el parque nacional Coiba, República de Panamá. *Tecnociencia* 19: 19-31.
- Costas M, López T, Vásquez M (2015) Descripción de una nueva especie de *Alienates* de Panamá (Insecta: Heteroptera: Enicocephalidae). *Boletín de la Asociación Española de Entomología* 39 (3-4): 301-312.
- Croat T (1978) *Flora of Barro Colorado Island*. Stanford University Press, 956 pp.
- Daniel T, Carrión J (2015) *Odontonema aliciae*, a new hetero-stylous species of Acanthaceae from Panama. *Proceedings of the National Academy of Sciences* 62: 25-30.

- Fairbanks RG (1989) A 17,000-year glacio-eustatic sea level record: influence of glacial melting rates on the Younger Dryas event and deep-ocean circulation. *Nature* 342: 637-642. <https://doi.org/10.1038/342637a0>
- Flores R, Ibáñez A, Correa AMD (2016) *Eugenia veraguensis* (Myrtaceae), a new species from golfo de Chiriquí in Veraguas province, Panama, with notes on *Eugenia rhombea*. *Phytotaxa* 270 (3): 217-222. <https://doi.org/10.11646/phytotaxa.270.3.6>
- González P, Sawyer Y, Avila M, Armien A, Armien B, Cook J (2010) Variation in cytochrome-b haplotypes suggests a new species of *Zygodontomys* (Rodentia: Cricetidae) endemic to Isla Coiba, Panama. *Zoologia (Curitiba)* 27 (4): 660-665. <https://doi.org/10.1590/S1984-46702010000400014>
- Greenstone M (1984) Determinants of web spider species diversity: vegetation structural diversity vs. prey availability. *Oecologia* 62: 299-304. <https://doi.org/10.1007/BF00384260>
- Guzman H, Breedy O (2012) *Pacifigorgia marviva* (Anthozoa: Octocorallia) a new species from Coiba National Park, Pacific Panama. *Journal of the Marine Biological Association of the United Kingdom* 92 (4): 693-698. <https://doi.org/10.1017/S0025315411000373>
- Hsieh TC, Ma KH, Chao A (2016) iNEXT: an R package for rarefaction and extrapolation of species diversity (Hill numbers). *Methods in Ecology and Evolution* 7: 1451-1456. <https://doi.org/10.1111/2041-210X.12613>
- Ibáñez A (2011) *Guía Botánica del Parque Nacional Coiba*. 1ra. International Cooperative Biodiversity Group, Panama, 399 pp.
- Ibáñez C, Pérez-Jordá J, Juste J, Guillén A (1997) Los mamíferos terrestres del Parque Nacional Coiba (Panama). In: Castroviejo S (Ed.) *Flora y Fauna del Parque Nacional de Coiba (Panama)*. Serviprint Press, 534 pp.
- Lee W, McGlone M, Wright E (2005) Biodiversity inventory and monitoring: A review of national and international systems and a proposed framework for future biodiversity monitoring by the Department of Conservation. Landcare Research Contract Report LC0405/122.
- MacArthur R, Wilson EO (1963) An equilibrium theory of insular zoogeography. *Evolution* 17: 373-387. <https://doi.org/10.2307/2407089>
- Magalhaes ILF, Berry JW, Koh JKH, Gray MR (2022) *Labahitha* spiders (Arachnida: Araneae: Filistatidae) from islands in the Indian and Pacific Oceans. *European Journal of Taxonomy* 805: 1-51.
- Magnusson W (2005) Uma modificação do método de Gentry para inventários de biodiversidade em sítios para pesquisa ecológica de longa duração. *Biota Neotropical* 5: 1-6.
- Mendez-Carvajal P (2012) Population study of Coiba Howler monkeys (*Alouatta coibensis coibensis*) and Coiba Capuchin monkeys (*Cebus capucinus imitator*), Coiba Island National Park, Republic of Panama. *Journal of Primatology* 01 (02): 1-6. <https://doi.org/10.4172/2167-6801.1000104>
- Miranda RJ, Arizala C S, Cambra RA (2013) A new species of *Neocteniza* (Araneae: Idiopidae) from Coiba island, Panama, with observations on parasitism by *Euplaniceps varia* Bradley, 1944 (Hymenoptera: Pompilidae). *Revista Ibérica de Arachnología* 22: 3-7.
- Nentwig W (1993) *Spiders of Panama*. Handbook N. Sandhill Crane Press, Inc, Leiden.

- Nieves-Aldrey JL, Fontal-Cazalla F (1997) Los insectos de la isla de Coiba (Panamá). Abundancia y dinámica estacional. Análisis del caso de los himenópteros (Hexapoda: Hymenoptera). In: Castroviejo S (Ed.) Flora y Fauna del Parque Nacional de Coiba (Panama). Serviprint Press, 534 pp.
- Nieves-Aldrey JL, Ibañez A, Medianero E (2008) Richness and composition of gall-inducing arthropods at Coiba National Park, Panama. *Revista de Biología Tropical* 56 (3): 1269-1286.
- Nyffeler M, Sunderland K (2003) Composition, abundance and pest control potential of spider communities in agroecosystems: a comparison of European and US studies. *Agriculture, Ecosystems & Environment* 95: 579-612. [https://doi.org/10.1016/S0167-8809\(02\)00181-0](https://doi.org/10.1016/S0167-8809(02)00181-0)
- Oh J, Lee S (2022) DNA barcodes reveal population-dependent cryptic diversity and various cases of sympatry of Korean leptonetid spiders (Araneae: Leptonetidae). *Scientific Reports* 12: 15528. <https://doi.org/10.1038/s41598-022-18666-y>
- Olson S (2007) A new subspecies of *Sporophila angolensis* (Aves: Emberizidae) from Isla de Coiba and other additions to the avifauna of the Veragua Archipelago, Panama. *Proceedings of the Biological Society of Washington* 120 (4): 377-381. [https://doi.org/10.2988/0006-324X\(2007\)120\[377:ANSOSA\]2.0.CO;2](https://doi.org/10.2988/0006-324X(2007)120[377:ANSOSA]2.0.CO;2)
- Petrunkevitch A (1925) Arachnida from Panama. *Transactions of the Connecticut Academy of Arts and Sciences* 27: 51-248.
- Petrunkevitch A (1929) The spider fauna of Panama and its Central American affiliation. *The American Naturalist* 63: 455-469. <https://doi.org/10.1086/280278>
- Pickard-Cambridge FO (1901) Arachnida - Araneida and Opiliones. *Biologia Centrali-Americana* 2: 193-312.
- Pitilín RB, Prado-Junior J, Brescovit AD, Buschini MLT (2019) Climatic conditions drive the abundance and diversity of spiders community in an Atlantic Forest fragment. *Oecologia Australis* 23: 39-55. <https://doi.org/10.4257/oeco.2019.2301.04>
- Poorter L (1993) *Ecology of tropical forest*. Wageningen University, Wageningen, 223 pp.
- Quintero A D (2005) Preliminary biodiversity assessment and notes on the biology of the arachnids (Arachnida: Scorpriones, Amplypygi and Araneae) of Bahía Honda region (Veraguas, Panama). In: Castroviejo S, Ibañez A (Eds) *Studies on the Biodiversity of the Bahía Honda Region (Veraguas, Panama)*. Consejo Superior de Investigaciones Científicas Madrid, Madrid, 363-491 pp.
- Rao D (2017) Habitat Selection and Dispersal. In: Viera C, Gonzaga M (Eds) *Behavior and Ecology of Spiders: Contributions from the Neotropical Region*. Springer, Cham, 23 pp. https://doi.org/10.1007/978-3-319-65717-2_4
- R Core Team (2024) R: a language and environment for statistical computing. 4.3.1. Vienna, Austria: R Foundation for Statistical Computing.
- Ridgely RS, Gwyne JA (1992) *A guide to the birds of Panama with Costa Rica, Nicaragua, and Honduras*. Princeton University Press, New Jersey.
- Rose S (2022) *Spiders of North America*. Princeton University Press <https://doi.org/10.2307/j.ctv2382dtg>
- Roubik D, De Camargo JMF (2012) The Panama microplate, Island studies and relictual species of *Melipona* (*Melikerria*) (Hymenoptera: Apidae: Meliponini). *Systematic Entomology* 37 (1): 189-199. <https://doi.org/10.1111/j.1365-3113.2011.00587.x>

- Santos AJ, Brescovit AD, Oliveira-Tomasi MD, Russo P, Oliveira U (2017) Curves, maps and hotspots: The diversity and distribution of araneomorph spiders in the Neotropics. In: Viera C, Gonzaga M (Eds) Behavior and ecology of spiders: contributions from the Neotropical Region. Springer International Publishing, 27 pp. [ISBN 9783319657172]. https://doi.org/10.1007/978-3-319-65717-2_1
- Silva-Dávila D (2003) Higher-level relationships of the spider family Ctenidae (Araneae: Ctenoidea). Bulletin of the American Museum of Natural History 274: 1-86. [https://doi.org/10.1206/0003-0090\(2003\)274<0001:HLROTS>2.0.CO;2](https://doi.org/10.1206/0003-0090(2003)274<0001:HLROTS>2.0.CO;2)
- Silveira LF, Beisiegel BdM, Curcio FF, Valdujo PH, Dixo M, Verdade VK, Mattox GM, Cunningham PT (2010) What use do fauna inventories serve? Estudos Avancados 24 (68): 173-207. <https://doi.org/10.1590/S0103-40142010000100015>
- Smithsonian Tropical Research Institute (2023) Insects of Barro Colorado Island. URL: <https://panamabiota.org/stri/checklists/checklist.php?clid=159&pid=20>
- Subías L, Zaballos JP, Banda E, Fontal-Cazalla F, Nieves-Aldrey JL (2004) Ácaros oribátidos (Acari: Oribatei) del Parque Nacional de la isla de Coiba, Panamá. Revista de Biología Tropical 52 (1): 85-95. <https://doi.org/10.15517/rbt.v52i1.14755>
- Suman TW (1964) Spiders of the Hawaiian islands: Catalog and bibliography. Pacific Insects 6 (4): 665-687.
- Theron KJ, Gaigher R, Pryke J, Samways M (2020) Abandoned fields and high plant diversity support high spider diversity within an agricultural mosaic in a biodiversity hotspot. Biodiversity and Conservation 29 (13): 3757-3782. <https://doi.org/10.1007/s10531-020-02048-9>
- Uetz G, Halaj J, Cady A (1999) Guild structure of spiders in major crops. Journal of Arachnology 27 (1): 270-280.
- UNESCO (2005) Coiba National Park and its Special Zone of Marine Protection.
- Valdecasas AG (2021) Una especie nueva de *Stygalbiella* (Acari, Hydrachnidia) de la isla de Coiba, Panamá and on the use of vernacular languages in taxonomy. Revista Ibérica de Arachnología 38 (July): 147-151.
- Viquez C (2020) Aracnofauna (Arachnida) de la Isla del Coco, Costa Rica, con la descripción de tres nuevas especies. Revista de Biología Tropical 68.
- Werner R, Hoernle K, Bogaard PVD, Ranero C, Huene RV, Korich D (1999) Drowned 14-m.y. -old Galápagos archipelago off the coast of Costa Rica: Implications for tectonic and evolutionary models. Geology 27 (6): 499-502. [https://doi.org/10.1130/0091-7613\(1999\)027<0499:DMYOGP>2.3.CO;2](https://doi.org/10.1130/0091-7613(1999)027<0499:DMYOGP>2.3.CO;2)
- Wesolowska WA (1999) A revision of the spider genus *Menemerus* in Africa (Araneae: Salticidae). Genus 10: 251-353.
- World Spider Catalog (2023) World Spider Catalog. <https://doi.org/10.24436/2>. Accessed on: 2023-3-01.

Supplementary materials

Suppl. material 1: Supporting literature and figures [doi](#)

Authors: Daniel Murcia & Dumas Gálvez

Data type: References and Figures

Brief description: References used for spider identification and pictures of the new three species reported for Panama.

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Suppl. material 2: Table S1. [doi](#)

Authors: Daniel Murcia-Moreno & Dumas Gálvez

Data type: Summary table

Brief description: Summary of species richness and abundance of spiders per site collected in Coiba National Park, from August 2020 to August 2022.

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