



## Arctiini Leach, [1815] (Lepidoptera, Erebiidae, Arctiinae) of the Brazilian Amazon. III – Subtribe Ctenuchina Kirby, 1837

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**Abstract:** The Ctenuchina moths comprise 874 New World species. Here we provide a list of Ctenuchina species from the Brazilian Amazon. The list was produced from specimens deposited in the most important Brazilian collections and from literature data. Nearly 31% (273) of the New World Ctenuchina species were recorded, including 28 new occurrences for the Brazilian Amazon. Santarém and Belém were the municipalities with the highest number of species records, with 139 and 88, respectively. The high number of Ctenuchina records in the Amazon is underestimated because this subtribe has never been sampled in the vast majority of the biome. This is a worrying scenario because the Amazon has the world highest absolute rate of forest reduction. To suggest efficient conservation policies for the Arctiinae fauna of Amazon, it is urgent to intensify the sampling effort in this biome.

**Keywords:** Amazon, Tiger moths, Inventory, Noctuoidea, Wasp Moths.

## Arctiini Leach, [1815] (Lepidoptera, Erebiidae, Arctiinae) da Amazônia Brasileira. III – Subtribo Ctenuchina Kirby, 1837

**Resumo:** As mariposas Ctenuchina compreendem 874 espécies no Novo Mundo. Neste trabalho, nós apresentamos uma lista das espécies de Ctenuchina que ocorrem na Amazônia brasileira. A lista foi produzida através de observação de espécimes depositados nas mais importantes coleções brasileiras e também através de dados da literatura. Aproximadamente 31% (273) das espécies de Ctenuchina que ocorrem no Novo Mundo foram registradas, incluindo 28 novas ocorrências para a Amazônia brasileira. Santarém e Belém foram os municípios com maior número de espécies registradas, com 139 e 88, respectivamente. Embora o número de registros de Ctenuchina seja considerado alto na Amazônia, este valor é subestimado visto que a fauna nunca foi amostrada na imensa maioria do bioma. Este cenário é preocupante, pois a Amazônia possui a maior taxa absoluta de redução florestal do mundo. A fim de podermos sugerir políticas de conservação eficientes para a fauna de Arctiinae da Amazônia, é urgente que se intensifique o esforço de coleta neste bioma.

**Palavras-chave:** Amazônia, mariposas-tigre, Inventário, Noctuoidea, mariposas-vespa.

### Introduction

Arctiinae is distributed worldwide (Heppner 1991). With approximately 11,000 species, the Arctiinae moths are divided in four tribes (Zahiri et al. 2012), but only Arctiini and Lithosiini occur in the Neotropics. Arctiini is classified in seven subtribes: Arctiina, Callimorphina, Ctenuchina, Euchromiina, Phaegopterina, Pericopina, and Spilosomina (Weller et al. 2009, Vincent & Laguerre 2014).

The Ctenuchina moths are found in the “New World” and comprise 874 species (Weller et al. 2009). Several species have nocturnal activity, but some species are exclusively diurnal (Hagmann 1938). Many

species of Ctenuchina form mimicry rings with several wasp species (Simmons, 2009). They have a pair of tympanic organs located in the metathorax, above the spiracles, covered by an operculum. The hind wings are small or reduced, with absence of  $S_c + R_1$  veins and separated  $C_uA$  branches (Kitching & Rawlins 1999, Jacobson & Weller 2002). The larvae feed on Apocynaceae, Euphorbiaceae, Ebenaceae, Moraceae, Fabaceae, Ulmaceae, Poaceae, Loganiaceae, Urticaceae, Malpighiaceae, Vochysiaceae, Malvaceae, Ochnaceae and Cyperaceae (Janzen & Hallwachs 2005). The adults of several species are pharmacophagous and feed on pyrrolizidine alkaloids (Conner & Jordan 2009).

We here report a list of Ctenuchina moths occurring in the Brazilian Amazon based on the specimens deposited in the most important Brazilian collections and also from literature data. This study is a continuation of Teston & Ferro (2016a, b) and aims to increase the knowledge on Arctiinae in the Amazon region.

## Materials and methods

We intensively searched the literature and examined specimens from entomological collections of the Instituto Nacional de Pesquisas na Amazônia (INPA; Manaus), Museu Paraense Emílio Goeldi (MPEG; Belém), Coleção Becker (VOB; Camacan), Coleção Entomológica Padre Jesus Santiago Moure of the Universidade Federal do Paraná (DZUP; Curitiba), Fundação Instituto Oswaldo Cruz (FIOC; Rio de Janeiro), Museu de Zoologia of the Universidade de São Paulo (MZUSP; São Paulo), Museu Nacional of the Universidade Federal do Rio de Janeiro (MNRJ; Rio de Janeiro), and Laboratório de Estudos de Lepidópteros Neotropicais (LELN) of the Universidade Federal do Oeste do Pará (UFOPA; Santarém). To identify the species, we used literature (Hampson 1898, 1914, Seitz 1919-1925) and specimens deposited in the visited collections. The systematic organization to generic level follows Hampson (1898) and Weller et al. (2000), with updates of the generic names according Watson et al. (1995) and corrections of Pinheiro & Duarte (2013), Pinheiro & Gaal-Haszler (2015) and Pinheiro (2016).

The geographical coordinates of the localities in the Brazilian Amazon with Arctiinae records were obtained from the Geo Loc tool of “Species Link date & tools” (<http://splink.cria.org.br/geoloc>) and Google Earth (<https://earth.google.com/web/>). The list is organized alphabetically. Species and records without precise location data, and those from locations that belong to more than one biome (e.g., Cerrado and Amazon) were not included in the list.

## Results

Our research generated a list of 273 Ctenuchina species (Table 1), including 28 new occurrences for the Brazilian Amazon (indicated by “NEW”). Twenty-three species appear as new records for the municipalities and their respective States (indicated by “AMZ”). In total, 75 (nearly 10%) Amazonian municipalities had Ctenuchina species records (Table 2 and Figure 1). Santarém (PA), Belém (PA), and Cacaulândia (RO) were the municipalities with the highest number of species, with 139, 88, and 60, respectively.

We recorded 61 genera, of which 20 were monospecific. The genera *Eucereon* Hübner, 1819 had the highest number of species (37), followed by *Delphyre* Walker, 1854 (20), and *Heliura* Butler, 1876 (17). The species with the highest number of locality records were *Eucereon varia* (Walker, 1854) (with 23), followed by *Telioneura glaucopsis* R. Felder, 1869 (22), *Correbidia calopteridia* (Butler, 1878) (21) and *Epidesma*

*ursula* (Cramer, 1782) (20). Eighty-nine species (32.6%) occurred in only one locality (Table 1).

## Discussion

The number of Ctenuchina species recorded for the Brazilian Amazon reported on this study is high. It corresponds to 31.2% of “New World” Ctenuchina fauna (Weller et al. 2009) and is more than two times higher than what has been reported for Mexico (Hernández-Baz et al. 2013) and the Brazilian Cerrado (Ferro et al. 2010). The fact that Santarém and Belém are the Amazon municipalities with the highest number of Ctenuchina records is probably related to the proximity and access to the collection sites. Belém is the capital of the state of Pará and has an important museum (Museu Paraense Emílio Goeldi, founded in 1866) and other research institutions, as well as easy access to sampling sites. Santarém has been widely sampled by H. Zerny and G. Haggmann in the 1930s (Zerny 1931, Haggmann 1938). Haggmann resided in Santarém and Zerny spent a season collecting in forests and other natural areas nearby Santarém. Belém is also the second municipality with the highest number of Phaeopterina and Pericopina records (Teston & Ferro 2016a, b).

The Ctenuchina richness of Santarém and Belém is the largest recorded in Brazil. For example, in Salesópolis it has been recorded 42 Ctenuchina species (Ferro & Diniz 2007) and in Joinville 57 species (Ferro et al. 2012). These two last sites are located in the Atlantic Forest biome and were intensively sampled in the recent past. In the Cerrado sites, a much lower number of Ctenuchina species has been recorded, ranging from 3 (Scherrer et al. 2013) to 26 (Moreno & Ferro 2016). Moreover, the number of Ctenuchina species in a single Amazon site (Santarém, 139) is higher than that recorded for the whole Cerrado (133 species, Ferro et al. 2010). It may indicate that this taxon is more diverse in rain-forest than in xeric environments.

Until now Teston and Ferro (2016b) have reported 819 Arctiinae species in the Brazilian Amazon. Due to the new records reported in this study (28) there has been an increase in richness for the biome, and now a total of 847 tiger moth species are recorded for the Amazon. Similarly to the the subtribes Phaeopterina (Teston & Ferro 2016a) and Pericopina (Teston & Ferro 2016b), the number of Amazonian species of Ctenuchina is underestimated because it has never been sampled in the vast majority of the biome (less than 10% of the municipalities has been sampled until now). In addition, the sampling points are poorly distributed and usually restricted to more populated cities and along major rivers. This is a worrying scenario because the Amazon has the world highest absolute rate of forest reduction (Silva et al. 2005). This biome has suffered from logging, fires, fragmentation, mining, wildlife extinction, invasion of alien species, and wildlife trafficking (Fearnside 2003). To suggest efficient conservation policies for the Arctiinae moths in the Amazon, it is urgent to intensify the collection effort in this biome.

**Table 1.** Ctenuchina (Erebidae, Arctiinae, Arctiini) species of the Brazilian Amazon. The column with the records shows the Brazilian state in abbreviated form followed by municipality. The name of the locality is enclosed in braces and the author of the first record is in parentheses. \* New record. States abbreviations: AC = Acre, AM = Amazonas, AP = Amapá, MA = Maranhão, MT = Mato Grosso, PA = Pará, RO = Rondônia and RR = Roraima.

Species	Record
1. <i>Abrochia aequalis</i> (Walker, [1865])	AM, Tefé {Ega} (Walker [1865]); AP, Serra do Navio*; MA, Açailândia*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
2. <i>Abrochia atridorsata</i> (Hampson, 1909)	AM, São Gabriel [da Cachoeira] {Taracua} (Bryk 1953)
3. <i>Abrochia aurantivena</i> (Hampson, 1918)	PA, [Belém] (Zerny 1931)
4. <i>Abrochia consobrina</i> (Walker, 1856)	[AM], Valley of Amazonas [river] (Zerny 1931); PA, [Belém] (Walker 1856), Tapajós [river] (Hampson 1898)
5. <i>Abrochia discoplaga</i> (Schaus, 1905)	MA, Açailândia*; MT, Sinop*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
6. <i>Abrochia eumenoides</i> (Gaede, 1926)	AM, [Boa Vista do Ramos] {Massauari} (Gaede 1926)
7. <i>Abrochia fulvisphex</i> (Druce, 1898)	AM, Manaus (Bryk, 1953); MT, Sinop*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
8. <i>Abrochia mellina</i> (Herrich-Schäffer, 1855)	PA, Cametá (Hampson 1898)
9. <i>Abrochia munda</i> (Walker, 1856)	PA, [Belém] (Walker 1854a), Santarém (Hampson 1898)
10. <i>Abrochia postica</i> (Walker, 1854)	PA, [Belém] (Walker 1854a), Santarém (Hampson 1898)
11. <i>Abrochia singularis</i> (Walker, 1854)	PA, [Belém] (Hampson 1898)
12. <i>Abrochia zethus</i> (Hübner, 1827)	PA, [Belém] (Walker 1854a), Santarém (Hampson 1898), Tapajós [river] (Walker 1854a)
13. <i>Aclytia albistriga</i> Schaus, 1910 <sup>AMZ</sup>	PA, Belém*, Capitão Poço*
14. <i>Aclytia apicalis</i> (Walker, 1854)	PA, [Belém] (Walker 1854a)
15. <i>Aclytia gynamorpha</i> Hampson, 1898	AM, [Jutaí] {Jutaí river} (Hampson 1898), Juruá river (Hampson 1898), Santa Isabel do Rio Negro*; PA, Belém {Miramar}*, Belterra {National Forest of Tapajós} (Freitas 2014), Breves*, Marabá* Santarém (Hampson 1898), Santarém {Taperinha} (Zerny 1931)
16. <i>Aclytia heber</i> (Cramer, [1780])	AM, [Carauari] {Juruá river, [Lake of] Pupunha} (Butler 1878), [Jutaí] {Jutaí river, Boa Vista} (Butler 1878), [São Gabriel da Cachoeira] {Taracua} (Bryk 1953); MA, Açailândia*; MT, Sinop*; [PA], lower Amazonas [river] (Druce 1884), PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Santarém (Butler 1876), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
17. <i>Aclytia hoffmannsi</i> Rothschild, 1912	AM, Santa Isabel do Rio Negro*; PA (Hagmann 1938), Belém {Miramar}*, Santarém*; RO, Porto Velho*
18. <i>Aclytia petra</i> Schaus, 1892 <sup>AMZ</sup>	PA, Santarém*; RO, Ariquemes*, Cacaúlândia*
19. <i>Aclytia punctata</i> Butler, 1876	AM, Manicoré*; MA, Açailândia*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Belterra {National Forest of Tapajós} (Freitas 2014), Santarém (Hampson 1898), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, Porto Velho*
20. <i>Aclytia reducta</i> Rothschild, 1912	AM, Manicoré {Madeira river} (Zerny 1931), São Gabriel da Cachoeira*; PA, Santarém (Hampson 1914)
21. <i>Aclytia terra</i> Schaus, 1896 <sup>AMZ</sup>	MT, Sinop*; RO, Cacaúlândia*
22. <i>Aethria analis</i> Schaus, 1901 <sup>NEW</sup>	RO, Vila Rondônia*
23. <i>Aethria haemorrhoidalis</i> (Stoll, [1790]) <sup>AMZ</sup>	AM, Borba*; AP, Mazagão*; PA, Benevides*, Curralinho*, Parauapebas {Serra Norte, Carajás}*, Santarém*; RO, Porto Velho*, RR, Alto Alegre*
24. <i>Aethria paula</i> Schaus, 1894 <sup>NEW</sup>	AM, Manaus*

Continuation Table 1.

Species	Record
25. <i>Agyrta auxo</i> Hübner, 1817	AM, São Paulo de Olivença*; AP, Serra do Navio*; PA, [Belém] (Zerny 1931), Belém {Miramar}* , Ourém* , Santarém*
26. <i>Agyrta bifasciata</i> Rothschild, 1912	PA, Santarém {Mojú} (Zerny 1931)
27. <i>Agyrta chena</i> Druce, 1893	AM, Manaus (Bryk 1953), [São Gabriel da Cachoeira] {Taracua} (Bryk 1953); PA, [Belém] (Druce 1893)
28. <i>Agyrta dux</i> (Walker, 1854)	AM, [Eirunepé] {Juruá river, São Felipe} (Zerny 1931), Manicoré* , Maués* ; AP, Serra do Navio* ; PA, Anajás* , Belém* , Parauapebas {Serra Norte, Carajás}* , Óbidos* , Santarém {Taperinha} (Zerny 1931)
29. <i>Agyrta klagesi</i> Rothschild, 1912 <sup>NEW</sup>	PA, Santarém*
30. <i>Agyrta micilia</i> (Cramer, 1780)	AM, Manicoré* , Santa Isabel do Rio Negro* ; PA, [Belém] (Hampson 1898); RO, Cacaúlândia* , Candeias do Jamari*
31. <i>Agyrta pandemia</i> Druce, 1893	PA, [Belém] (Druce 1893)
32. <i>Agyrta porphyria</i> (Cramer, 1782)	AM, [Eirunepé] {Juruá river, São Felipe} (Zerny 1931), Manaus (Zerny 1931), Manicoré* , [Maués] {Rio Parauary}* , São Paulo de Olivença* , Tefé* ; AP, Santana* , Serra do Navio* ; PA, [Belém] (Hampson 1898), Itaituba* , Santarém {Taperinha} (Zerny 1931); RO, Vila Rondônia*
33. <i>Agyrtidia olivensis</i> Machado Filho e Rêgo Barros, 1970	AM, São Paulo de Olivença (Machado Filho & Rêgo Barros 1970)
34. <i>Agyrtidia uranophila</i> (Walker, 1866)	[AC], Alto Juruá (Machado Filho & Rêgo Barros 1970); AM, [Autazes] {Autaz river, Campinhas} (Bryk 1953), Benjamin Constant* , Borba (Machado Filho & Rêgo Barros 1970), [Eirunepé] {Rio Juruá, São Felipe} (Machado Filho & Rêgo Barros 1970), [São Gabriel da Cachoeira] {Rio Negro, Jauaretê} (Machado Filho & Rêgo Barros 1970), São Paulo [de Olivença] (Walker 1866); PA, Itaituba* , Santarém (Machado Filho & Rêgo Barros 1970); RO, Cacaúlândia* , Jarú*
35. <i>Agyrtiola niepelti</i> Gaede 1926	AM, São Paulo de Olivença (Gaede 1926)
36. <i>Anaphlebia caudatula</i> R. Felder, 1869	AM, Amazonas [river] (R. Felder 1869)
37. <i>Androcharta diversipennis</i> (Walker, 1854)	AM, Benjamin Constant* , [Carauari] {Juruá river, [Lake of] Pupunha} (Butler 1878), [Eirunepé] {Juruá river, São Felipe} (Zerny 1931), [Jutai] {Barreiras de Jutai} (Butler 1878), Manaus* , São Paulo [de Olivença] (Butler 1876), Tabatinga (Butler 1876), Tefé {Ega} (Butler 1876); AP, Serra do Navio* ; PA, Itaituba* , Santarém {Mojú and Taperinha} (Zerny 1931), Tapajós [river] (Walker 1854a)
38. <i>Androcharta hoffmannsi</i> (Rothschild, 1912)	AM, Benjamin Constant* , Humaitá (Hampson 1914), São Paulo de Olivença* ; RO, Cacaúlândia*
39. <i>Androcharta meones</i> (Cramer, 1780)	AM, Negro river (Zerny 1931), São Paulo de Olivença (Santos 1939); PA, Altamira {Monte Santo} (Delfina & Teston 2013), Santarém {Mojú and Taperinha} (Zerny 1931)
40. <i>Androcharta stretchii</i> Butler, 1876	AM, Benjamin Constant* , Maués* , São Paulo [de Olivença] (Butler 1876); AP, Serra do Navio* ; PA, Itaituba* , Santarém* , Tucuruí*
41. <i>Antichloris affinis</i> (Rothschild, 1912)	AM, Tefé (Rothschild 1912); PA (Hagmann 1938)
42. <i>Antichloris caca</i> Hübner, 1818	AM, São Paulo de Olivença* , Tefé (Field 1975); AP, Serra do Navio* ; PA, [Belém] (Hampson 1898), Soure*
43. <i>Antichloris chloroplegia</i> (Druce, 1905) <sup>NEW</sup>	AM, São Paulo de Olivença* ; AP, Serra do Navio*
44. <i>Antichloris eriphia</i> (Fabricius, 1776)	AC, Feijó* ; AM, Benjamin Constant* , Manaus* , Manicoré* , São Paulo de Olivença* , Tefé* ; PA, [Belém] (Butler 1876), Altamira {Monte Santo} (Delfina & Teston 2013), Breves* , Santarém {Taperinha} (Zerny 1931), Tapajós [river] (Walker 1854a); RO, Ariquemes* , Cacaúlândia* , Porto Velho*
45. <i>Antichloris scudderii</i> Butler, 1876	AM, Itacoatiara* , Manaus (Zerny 1931), Manicoré* , São Paulo de Olivença* ; PA, Oriximiná {Rio Cuminá}* , Santarém (Butler 1876), Santarém {Taperinha} (Zerny 1931)
46. <i>Argyroeides flavicornis</i> Rothschild, 1911	AM, Tefé (Rothschild 1911)

Continuation Table 1.

Species	Record
47. <i>Argyrodes ophion</i> (Walker, 1854) <sup>AMZ</sup>	AM, Manicoré*
48. <i>Argyrodes strigula</i> Druce, 1896 <sup>NEW</sup>	MA, Santa Luzia*
49. <i>Atyphopsis modesta</i> Butler, 1878	AM, [Jutaí] {Rio Jutaí, Boaventura} (Butler 1878), Manicoré {Rio Madeira} (Zerny 1931); AP, Serra do Navio*; MT, Sinop*; PA, Belém*, Santarém (Butler 1878), Santarém {Taperinha} (Zerny 1931); RO, Porto Velho*
50. <i>Cacostatia buchwaldi</i> (Rothschild, 1912)	RO, [Porto Velho] {Madeira river, Aliança} (Rothschild 1912)
51. <i>Cacostatia discalis</i> (Walker, 1856)	[AM], Valley on the Amazon [river] (Walker 1856)
52. <i>Cacostatia flaviventralis</i> Dognin, 1909	PA, Almeirim {Jari} (Hawes et al. 2009)
53. <i>Cacostatia germana</i> (Rothschild, 1912) <sup>NEW</sup>	AM, Manaus*; PA, Belém*
54. <i>Ceramidia fumipennis</i> (Walker, 1854)	AM, Fonte Boa (Field 1975), Humaitá (Field 1975), Manaus (Field 1975), Manicoré {Madeira river} (Field 1975), [Novo Airão] {Igarapé Preto} (Field 1975), Solimões [river] (Bryk 1953), São Paulo de Olivença (Field 1975) Tefé {Ega} (Walker 1854a), Tonantins (Field 1975); PA, Tapajós river (Field 1975); RO, [Porto Velho] {Rio Madeira, Aliança} (Field 1975)
55. <i>Ceramidia pheonoides</i> (Möschler, 1854)	AM, Manaus (Zerny 1931); PA, Tapajós [river] (Butler 1876)
56. <i>Ceramidiodes obscurus</i> (Butler, 1877)	AM, Benjamin Constant*, Manaus*, Manicoré (Hampson 1898), [Tapauá] {Rio Purus, [Lake] Sobral} (Butler 1877), Tefé (Rothschild 1912)
57. <i>Cercopimorpha dolens</i> Schaus, 1905	MT, Sinop*; PA, Santarém {Taperinha} (Zerny 1931)
58. <i>Cercopimorpha homopteridia</i> Butler, 1876	AM, Manicoré*; MT, Sinop*; PA, [Belém] (Walker 1854a), Santarém {Taperinha} (Zerny 1931)
59. <i>Cercopimorpha postflavida</i> (Rothschild, 1912) <sup>NEW</sup>	PA, Santarém*; RO, Cacaúlândia*
60. <i>Clystea andromacha</i> (Fabricius, 1775)	PA, [Belém] (Walker 1854a), Altamira {Monte Santo} (Delfina & Teston 2013); RR, Alto Alegre*
61. <i>Clystea aner</i> (Hampson, 1905)	PA (Hagmann 1938)
62. <i>Clystea carnicauda</i> (Butler, 1876)	PA, [Belém] (Hampson 1898), Altamira {51°BIS} (Teston et al. 2012)
63. <i>Clystea daltha</i> (Druce, 1895)	AM, Benjamin Constant*, [Eirunepé] {Rio Juruá, Matto Pyri} (Zerny 1931), Manaus*, Manicoré, São Paulo de Olivença*; PA, [Belém] (Druce 1895), Parauapebas {Serra Norte, Carajás}*, Santarém*; RO, Cacaúlândia*
64. <i>Clystea eburneifera</i> (R. Felder, 1869)	AM, Amazonas [river] (R. Felder 1869), Tefé*
65. <i>Clystea gracilis</i> (Möschler, 1878) <sup>AMZ</sup>	PA, Benevides*, Parauapebas {Serra Norte, Carajás}*
66. <i>Clystea leucaspis</i> (Cramer, 1775)	PA (Hagmann 1938)
67. <i>Clystea stipata</i> (Walker, 1854)	AM, Santa Isabel do Rio Negro*; MA, Santa Luzia*; PA, [Belém] (Walker 1854a), [Igarapé-Miri] {Estuary of Tocantins [river]} (Zerny 1931), Parauapebas {Serra Norte, Carajás}*
68. <i>Corematura chrysogastra</i> (Perty, 1834)	AM, Benjamin Constant*, Borba*, Fonte Boa*, Rio Madeira (Butler 1878), [Santa Isabel do Rio Negro] {Rio Preto}*, São Paulo [de Olivença] (Butler 1876), São Paulo de Olivença {Rio Solimões, S. Jerônimo} (Travassos Filho 1952) and {Rio Preto} (Travassos Filho 1938), Tefé*
69. <i>Correbia elongata</i> Rothschild, 1912 <sup>AMZ</sup>	AM, Manaus*; MA, Açailândia*; PA, Novo Progresso {Cachimbo}*, Santarém*
70. <i>Correbia felderi</i> Rothschild, 1912	[AM], Amazonas (Rothschild 1912); PA, Santarém {Taperinha} (Zerny 1931)
71. <i>Correbia lycoides</i> (Walker, 1854)	AM, Barcelos {Moura}*, Benjamin Constant*, [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), São Gabriel da Cachoeira {Querari}*; AP, Serra do Navio*; MT, Sinop*; PA, Altamira {Monte Santo} (Teston & Delfina 2010), [Belém] (Walker 1854a), Belterra {National Forest of Tapajós} (Freitas 2014), Capitão Poço*, Igarapé-Açu*, Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, Porto Velho*; RR, Alto Alegre*
72. <i>Correbia obscura</i> Schaus, 1905 <sup>NEW</sup>	RO, Porto Velho*
73. <i>Correbia tristitia</i> Kaye, 1911	AM, Codajás (Rothschild 1912), Fonte Boa (Rothschild 1912), PA, Santarém {Taperinha} (Zerny 1931)

Continuation Table 1.

Species	Record
74. <i>Correbidia assimilis</i> (Rothschild, 1912)	AM, [Atalaia do Norte] {Santo Antonio do Javari} (Rothschild 1912), PA, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém (Valente et al.2018)
75. <i>Correbidia calopteridia</i> (Butler, 1878)	AM, Barcelos {Moura}* , Benjamin Constant*, Fonte Boa*, [Manaus] {Rio Urubu}* , Santa Isabel do Rio Negro* , São Gabriel da Cachoeira {Querari}* , São Paulo de Olivença*,Tefê (Zerny 1931); AP, Serra do Navio*; MA, Açailândia*; MT, Aripuanã*, Sinop*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), [Belém] (Butler 1878), Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, Porto Velho*
76. <i>Correbidia germana</i> (Rothschild, 1912)	PA, Santarém {Taperinha} (Zerny 1931)
77. <i>Correbidia notata</i> (Butler, 1878)	AM, Barcelos {Moura}* , [Jutaí] {Rio Jutaí} (Butler 1878); PA, Altamira{51°BIS} (Teston et al. 2012), Marabá*, Santarém {Taperinha} (Zerny 1931)
78. <i>Correbidia simonsi</i> (Rothschild, 1912)	AM, Fonte Boa (Hampson 1914)
79. <i>Correbidia steinbachi</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912)
80. <i>Ctenucha circe</i> (Cramer, 1780)	PA, [Belém] (Walker 1854b)
81. <i>Ctenucha mortia</i> Schaus, 1901 <sup>AMZ</sup>	RO, Candeias do Jamari*
82. <i>Ctenucha tapajozo</i> Dognin, 1923	PA, Tapajós river (Dognin 1923)
83. <i>Cyanopepla glaucopoides</i> (Walker, 1854)	AM, [Eirunepé] {Juruá river, São Felipe} (Zerny 1931), Manaus*, Maués*; PA, [Belém] (Walker 1854b), Santarém*
84. <i>Cyanopepla hurama</i> (Butler, 1876)	PA, Itaituba (Staudinger 1894)
85. <i>Delphyre aclytioides</i> (Hampson, 1901)	PA, Belterra {National Forest of Tapajós} (Freitas 2014)
86. <i>Delphyre albiventus</i> (Druce, 1898)	AM (Zerny 1912); PA, Paragominas*
87. <i>Delphyre discalis</i> (Druce, 1905)	MT, Sinop*; PA, Altamira {51°BIS} (Teston et al. 2012), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
88. <i>Delphyre distincta</i> (Rothschild, 1912)	RO, [Porto Velho] {Madeira river, Aliança} (Hampson 1914)
89. <i>Delphyre dizona</i> (Druce, 1898)	AM, Manicoré*; MA, Açailândia*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, Porto Velho*
90. <i>Delphyre fenestrata</i> Bryk, 1953	AM, [São Gabriel da Cachoeira] {Taracua} (Bryk 1953)
91. <i>Delphyre flaviceps</i> (Druce, 1905)	AM, Manicoré (Zerny 1931); PA, Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, [Porto Velho] {Madeira river, Aliança and Calama} (Rothschild 1912)
92. <i>Delphyre flaviventralis</i> Hampson, 1901	PA, Santarém {Taperinha} (Zerny 1931)
93. <i>Delphyre hampsoni</i> (Rothschild, 1912)	MA, Açailândia*; PA, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, [Porto Velho] {Madeira river, Aliança} (Rothschild 1912)
94. <i>Delphyre hebes</i> Walker, 1854 <sup>AMZ</sup>	RO, Cacaúlândia*
95. <i>Delphyre macella</i> (Dognin, 1911) <sup>NEW</sup>	PA, Marabá*
96. <i>Delphyre maculosa</i> (Hampson, 1898)	AP, Oiapóque*; PA, [Belém] (Hampson 1898)
97. <i>Delphyre meridionalis</i> (Rothschild, 1912)	RO, [Porto Velho] {Madeira river, Calama} (Rothschild 1912)
98. <i>Delphyre minuta</i> (Möeschler, 1877)	PA, Santarém {Taperinha} (Zerny 1931)
99. <i>Delphyre parcipuncta</i> Hampson, 1914	PA, Altamira {51°BIS} (Teston et al. 2012), [Breves] {Furos de Breves} (Zerny 1931); RO, [Porto Velho] {Madeira river, Aliança} (Rothschild 1912)

Continuation Table 1.

Species	Record
100. <i>Delphyre pieroides</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912)
101. <i>Delphyre pumila</i> (Rothschild, 1912)	RO, [Porto Velho] {Madeira river, Aliança} (Rothschild 1912)
102. <i>Delphyre pusilla</i> (Butler, 1878)	AM, [Atalaia do Norte] {Rio Javary, Braga} (Butler 1878), São Paulo de Olivença*; AP, Serra do Navio*; PA, Marabá*, Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*, Porto Velho*
103. <i>Delphyre roseiceps</i> Dognin, 1909	AM, Fonte Boa (Rothschild 1912); PA, Santarém {Taperinha} (Zerny 1931); RO, Ariquemes*, Porto Velho*
104. <i>Delphyre varians</i> Hampson, 1901	[AM] (Hampson 1901); PA (Hagmann 1938)
105. <i>Dinia aeagrus</i> (Cramer, 1779)	AC, Feijó {Rio Embira} (Travassos Filho & Urban 1967); AM, Benjamin Constant*, Fonte Boa*, Humaitá*, [Manaus] {Rio Urubu}*, Manicoré*, São Paulo de Olivença {Rio Preto} (Travassos Filho 1957), Tabatinga*; MA, Açailândia*; MT, Aripuanã*; PA, Altamira {Monte Santo} (Teston & Delfina 2010), Belém*, Capitão Poço*, Parauapebas {Serra Norte, Carajás}*, Tucuruí*, Viseu*; RO, Porto Velho {Rio Madeira} (Travassos Filho & Urban 1967)
106. <i>Dinia mena</i> (Hübner, [1827]) <sup>AMZ</sup>	AM, Benjamin Constant*; MA, Açailândia*
107. <i>Diptilon aurantiipes</i> Rothschild, 1911	[AM], Amazonas river (Rothschild 1911); RO, [Porto Velho] {Madeira river, Calama} (Rothschild 1911)
108. <i>Ecdemus carmania</i> (Druce, 1883)	PA, Santarém {Taperinha} (Zerny 1931)
109. <i>Ecdemus fuliginosa</i> (Rothschild, 1912) <sup>NEW</sup>	PA, Santarém*
110. <i>Ecdemus hypoleucus</i> Herrich-Schäffer, [1855]	AM, [Jutai] {Rio Jutai} (Butler 1878), Manaus*, Santa Isabel do Rio Negro*; AP, Serra do Navio*; MA, Açailândia*; PA, Cametá (Herrich-Schäffer [1855]), Altamira {51°BIS} (Teston et al. 2012), Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931)
111. <i>Ecdemus imbecillus</i> (Zerny, 1931)	PA, Santarém {Taperinha} (Zerny 1931)
112. <i>Ecdemus pereirai</i> Travassos, 1940 <sup>AMZ</sup>	PA, Santarém*
113. <i>Ecdemus rubrothorax</i> (Rothschild, 1911)	AM, Humaitá {Madeira river} (Rothschild 1911)
114. <i>Epanycles imperialis</i> (Walker, 1854)	AM, [Caruari] {Rio Juruá, Pupunhazinho} (Butler 1878), Manicoré {Madeira river} (Zerny 1931), Tefé {Ega} (Butler 1876); MA, Açailândia*, PA, Marabá*, Novo Progresso {Cachimbo}*, Oriximiná {Rio Cumina}*, Rio Tapajós (Butler 1876), Santarém (Walker 1854a), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, Porto Velho*
115. <i>Epidesma albicincta</i> (Hampson, 1905)	PA (Hagmann 1938), Altamira {Monte Santo} (Delfina & Teston 2013), Santarém*
116. <i>Epidesma aurimacula</i> (Schaus, 1905)	AM, São Paulo de Olivença*; PA (Hagmann 1938), Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Marabá*, Santarém*, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
117. <i>Epidesma hoffmannsi</i> (Rothschild, 1912) <sup>AMZ</sup>	RO, Cacaúlândia*
118. <i>Epidesma klagesi</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912); PA, Santarém {Taperinha} (Zerny 1931); RO, [Porto Velho] {Madeira river, Calama} (Rothschild 1912)
119. <i>Epidesma lenaeus</i> (Cramer, 1780)	AM, Tefé (Zerny 1931); MA, Açailândia*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Belém*, Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
120. <i>Epidesma metapolia</i> (Dognin, 1912) <sup>AMZ</sup>	PA, Marabá*; RO, Cacaúlândia*, Jarú*, Porto Velho*
121. <i>Epidesma parva</i> (Rothschild, 1912)	PA, Altamira {Monte Santo} (Delfina & Teston 2013), Marabá*, Santarém*, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Porto Velho*

Continuation Table 1.

Species	Record
122. <i>Epidesma perplexa</i> (Rothschild, 1912)	AM, [Atalaia do Norte] {Santo Antonio do Javari} (Rothschild 1912), Fonte Boa (Rothschild 1912), Tefé (Rothschild 1912)
123. <i>Epidesma similis</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912)
124. <i>Epidesma ursula</i> (Cramer, 1782)	AM, [Jutaí] {Rio Jutaí} (Butler 1878), [Lábrea] {Rio Purus, Man[aua]} (Butler 1878), Manaus*, Rio Sapo (Butler 1878), [São Gabriel da Cachoeira] {Taracua} (Bryk 1953), São Paulo de Olivença*, Tefé {Ega} (Hampson 1898); MA, Açailândia*; PA, Almeirim {Jari} (Hawes et al. 2009), Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Belterra {National Forest of Tapajós} (Freitas 2014), Cametá*, Marabá*, Novo Progresso {Cachimbo}* , Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015), Tapajós [river] (Hampson 1898); RO, Cacaúlândia*, Porto Velho*; [RR], [Caracará] {Branco river} (Bryk 1953)
125. <i>Episcepsis capyscoides</i> Dognin, 1911 <sup>NEW</sup>	RO, Cacaúlândia*
126. <i>Episcepsis endodasia</i> (Hampson, 1898)	AM, Borba*; PA, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
127. <i>Episcepsis frances</i> Dyar, 1910	PA, Altamira {51°BIS} (Teston et al. 2012), Breves*, Santarém {Taperinha} (Zerny 1931)
128. <i>Episcepsis gnoma</i> (Butler, 1877)	AM, [Barcelos] {Rio Pada[ua]r[i]} (Butler 1877), Santa Isabel do Rio Negro*, São Paulo de Olivença*; PA, Belém*, Breves (Zerny 1931), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
129. <i>Episcepsis gnomoides</i> Schaus, 1910	PA, Santarém {Taperinha} (Zerny 1931)
130. <i>Episcepsis klagesi</i> Rothschild, 1911	AM, São Paulo de Olivença*; PA, Belterra {National Forest of Tapajós} (Freitas 2014), Breves*, Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*
131. <i>Episcepsis lamia</i> (Butler, 1877)	AM, Benjamin Constant*, Borba*, [Maués] {Rio Maués} (Butler 1877), [Tapauá] {Rio Purus, Ta[u]aria} (Butler 1877); MA, Açailândia*; PA, Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Breves*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Ariquemes*
132. <i>Episcepsis littoralis</i> Rothschild, 1911	AM, [São Gabriel da Cachoeira] {Taracua} (Bryk 1953)
133. <i>Episcepsis melanitis</i> (Hübner, 1827)	AM, Manaus*, Manicoré*, Santa Isabel do Rio Negro*, [São Gabriel da Cachoeira] {Taracua} (Bryk 1953), Tefé*; MT, Sinop*; PA, [Belém] (Hagmann 1938)
134. <i>Episcepsis nereus</i> Zerny, 1931	AM, São Paulo de Olivença*; PA, Belém*, Santarém {Taperinha} (Zerny 1931)
135. <i>Episcepsis luctuosa</i> (Möschler, 1877)	AM, Fonte Boa (Rothschild 1911); PA, Breves*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*, [Porto Velho] {Madeira river, Aliança and Calama} (Rothschild 1911)
136. <i>Episcepsis thetis</i> (Linnaeus, 1771)	MT, Sinop*; PA, Santarém*, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
137. <i>Episcepsis venata</i> Butler, 1877	AM, [Jutaí] {Rio Jutaí near Rio Cur[ueua]} (Butler 1877); PA, Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Prainha to Monte Alegre (Zerny 1931), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Ariquemes*, Cacaúlândia*
138. <i>Eriphioides tractipennis</i> (Butler, 1876) <sup>NEW</sup>	PA, Santarém*
139. <i>Euagra coelestina</i> (Cramer, 1782)	AM, Santa Isabel do Rio Negro*; PA, [Belém] (Walker 1854b), Santarém*
140. <i>Euagra intercisa</i> Butler, 1876 <sup>AMZ</sup>	PA, Anajás*, Belém*
141. <i>Eucereon aeolum</i> Hampson, 1898 <sup>AMZ</sup>	MA, Açailândia*



Continuation Table 1.

Species	Record
142. <i>Eucereon amazonum</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912), São Paulo de Olivença*; PA, Breves*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
143. <i>Eucereon aoris</i> Möschler, 1877	AM, Manicoré*; AP, Serra do Navio*; MT, Sinop*; PA, Altamira {Monte Santo} (Teston & Delfina 2010), Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931)
144. <i>Eucereon archias</i> (Stoll, 1790)	AM, Manicoré {Rio Madeira} (Travassos 1959), Rio Javari (Butler 1878), Rio Japura (Pinheiro 2016), Tefé (Zerny 1931), Purus river (Bryk 1953); PA, Ale[n]quer (Pinheiro 2016), Gurupá to Almeirim (Zerny 1931), [Breves] {Furos de Breves} (Zerny 1931), Santarém {Taperinha} (Zerny 1931)
145. <i>Eucereon arenosa</i> Butler, 1877	AM, São Paulo de Olivença*; PA, Santarém*; RO, [Porto Velho] {Rio Madeira, Jam[a]ry} (Butler 1877)
146. <i>Eucereon atriguttum</i> Druce, 1905	AP, Serra do Navio*; PA, Marabá*, Santarém*, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015), São Miguel do Guamá*; RO, Cacaupônia*
147. <i>Eucereon brunnea</i> (Hampson, 1903)	PA, Santarém {Taperinha} (Zerny 1931); RO, [Porto Velho] {Madeira river, Aliança} (Rothschild 1912)
148. <i>Eucereon complicatum</i> Butler, 1877	AM, Manicoré {Rio Madeira} (Zerny 1931); Rio Juruá (Butler 1877); PA, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaupônia*
149. <i>Eucereon confinis</i> Herrich-Schäffler, 1855	[AM], Vale do [Rio] Amazonas (Travassos 1952)
150. <i>Eucereon dorsipuncta</i> Hampson, 1905 <sup>AMZ</sup>	RO, Cacaupônia*
151. <i>Eucereon exprata</i> Dognin, 1921	PA, [Igarapé Açu] {Prata 100 km of Pará [Belém]} (Dognin 1921)
152. <i>Eucereon fuscoirroratum</i> (Rothschild, 1912)	PA, Santarém {Taperinha} (Zerny 1931)
153. <i>Eucereon hagmanni</i> (Travassos, 1952)	AM, Borba {Lago Acará} (Travassos 1952), São Paulo de Olivença (Travassos 1952); PA, Belém {Bosque} (Travassos 1952), Santarém*
154. <i>Eucereon hoffmansii</i> (Rothschild, 1912)	RO, [Porto Velho] {Aliança} (Rothschild 1912)
155. <i>Eucereon latifascia</i> (Walker, 1856)	AM, [Autazes] {Autaz river} (Bryk 1953); MA, Açailândia*; PA, [Belém] (Walker 1856), Altamira {Monte Santo} (Teston & Delfina 2010), Marabá*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015), [Novo Progresso] {Cachimbo} (Travassos 1964a), Óbidos (Zerny 1931); RO, Cacaupônia*
156. <i>Eucereon maia</i> Druce, 1884	AM, Tefé*; PA, Altamira {Monte Santo} (Teston & Delfina 2010), Belém*, Santarém {Taperinha} (Zerny 1931); RO, Cacaupônia*
157. <i>Eucereon marmoratum</i> Butler, 1877	AM, [Carauari] {Rio Juruá, Curimatá and [Lake of] Pupunha} (Butler 1877), Beruri {Rio Purus, Aruman} (Butler 1877), [Lábrea] {Rio Purus, Mabit[e]r[i]} (Butler 1877), [Novo Airão] {Rio Negro, Ayrão} (Butler 1877), [Santa Isabel do Rio Negro] {Rio Preto}*, São Paulo de Olivença*; PA, Breves*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015), [Oriximiná] {Rio Trombetas, Cachoeira [da] Porteira} (Butler 1877); RO, Porto Velho*
158. <i>Eucereon melanoperas</i> Hampson, 1898	AM, São Paulo de Olivença*, Purus river (Hampson 1898), Tefé {Ega} (Hampson 1898); PA, Santarém {Taperinha} (Zerny 1931)
159. <i>Eucereon metoidesis</i> Hampson, 1905	AM, [São Gabriel da Cachoeira] {Taracuá} (Bryk 1953); AP, Serra do Navio*; PA, [Belém] (Butler 1876), Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931)
160. <i>Eucereon mitigatum</i> Walker, 1857	AM, Benjamin Constant {Rio Javary, Alto Amazonas} (Pinheiro 2016), Fonte Boa (Pinheiro 2016), [Jutai] {Rio Jutai, Boa Vista} (Butler 1877), [Lábrea] {Rio Purus, Huitanaã} (Butler 1878), [Novo Airão] {Igarapé Preto, Alto Amazonas} (Pinheiro 2016), São Paulo de Olivença (Pinheiro 2016); PA, [Belém] (Pinheiro 2016) Chaves {Marajó Island} (Hampson 1898), Santarém {Taperinha} (Pinheiro 2016)

Continuation Table 1.

Species	Record
161. <i>Eucereon obscura</i> (Möschler, 1872)	AM, Benjamin Constant*, Fonte Boa*, [Jutaí] {Rio Jutaí} (Butler 1877), Manicoré*, São Paulo de Olivença*; AP, Serra do Navio*; MA, Açailândia*; PA, Altamira {51°BIS} (Teston et al. 2012), Belém*, Belterra {National Forest of Tapajós} (Freitas 2014), Breves*, Santarém {Taperinha} (Zerny 1931), Visuê*; RO, Porto Velho*
162. <i>Eucereon parascyton</i> Hampson, 1914	AM, São Paulo de Olivença*; PA, Santarém {Taperinha} (Zerny 1931)
163. <i>Eucereon patrona</i> Schaus, 1896 <sup>AMZ</sup>	RO, Cacaúlândia*
164. <i>Eucereon plumbicollum</i> Hampson, 1898 <sup>NEW</sup>	AP, Serra do Navio*
165. <i>Eucereon pseudarchias</i> Hampson, 1898	AM, Juruá river (Hampson 1898); PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), [Belém] (Travassos 1964a), Belém {Miramar}* , Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
166. <i>Eucereon punctatum</i> (Guérin-Méneville, [1844])	AM, Benjamin Constant*, [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), São Paulo de Olivença*, Tefé*; PA, Breves*, Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia (Pinheiro 2016)
167. <i>Eucereon reniferum</i> Hampson, 1898 <sup>NEW</sup>	RO, Cacaúlândia*
168. <i>Eucereon rosa</i> (Walker, 1854)	AM, Beruri {Rio Purus, Paricatuba} (Butler 1878)
169. <i>Eucereon rosina</i> (Walker, 1854) <sup>NEW</sup>	MA, Açailândia*; RO, Cacaúlândia*
170. <i>Eucereon scyton</i> (Cramer, 1777)	AM, Benjamin Constant*; PA, Marabá*, Santarém {Taperinha} (Zerny 1931); RO, Ariquemes*, Cacaúlândia*, Jarú*, Porto Velho*
171. <i>Eucereon setosa</i> (Sepp, [1830]) <sup>AMZ</sup>	MA, Açailândia*; PA, Novo Progresso {Cachimbo}*
172. <i>Eucereon simile</i> (Draudt, 1915)	AM, Manicoré (Zerny 1931); PA, Santarém {Taperinha} (Zerny 1931); RO, [Porto Velho] {Aliança} (Rothschild 1912)
173. <i>Eucereon sylvius</i> (Stoll, 1790)	[AC], Upper Juruá river (Zerny 1931); AM, [Jutaí] {Rio Jutaí, Barreira Branca} (Butler 1878), [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), Rio Juruá {Pupunhazinho} (Butler 1878), Rio Negro (Travassos 1959), São Paulo de Olivença {Rio Preto} (Travassos 1959), Tefé (Zerny 1931); PA, [Belém] “Amazonas inferior” (Travassos 1959), Breves*, Santarém (Hampson 1898), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
174. <i>Eucereon taperinhae</i> Dognin, 1923	PA, Santarém {Taperinha} (Dognin 1923)
175. <i>Eucereon tarona</i> Hampson, 1898	PA, Marabá*, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
176. <i>Eucereon varia</i> (Walker, 1854)	AM, [Atalaia do Norte] {Rio Quichito} (Travassos 1964a), Benjamin Constant*, Borba {Rio Madeira e Lago Acar[á]} (Travassos 1964a), [Canutama] {Rio Purus, Urucuri} (Butler 1878), [Carauari] {Rio Juruá, [Lake of] Pupunha} (Butler 1878), [Eirunepé] {Juruá river, São Felipe} (Zerny 1931), Manaus (Travassos 1964a), Manicoré {Madeira river} (Zerny 1931), [Maués] {Rio Maués} (Travassos 1964a), São Paulo de Olivença*, Rio Preto (Travassos 1964a), Rio Pauary (Travassos 1964a); MT, Sinop*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), [Belém] (Walker 1854a), Breves*, Gurupá-Almeirim (Zerny 1931), Marabá*, [Novo Progresso] {Cachimbo} (Travassos 1964a), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
177. <i>Eucereon velutina</i> Schaus, 1896 <sup>NEW</sup>	RO, Cacaúlândia*
178. <i>Euceriodes wernickei</i> (Draudt, 1917)	PA, [Novo Progresso] {Cachimbo} (Travassos 1964a)
179. <i>Eumenogaster affinis</i> Rothschild, 1911 <sup>NEW</sup>	PA, Belém*
180. <i>Eumenogaster haemacera</i> Hampson, 1898 <sup>NEW</sup>	AM, Manicoré*
181. <i>Eumenogaster nigricauda</i> Dognin, 1911 <sup>NEW</sup>	PA, Belém*
182. <i>Eumenogaster notabilis</i> (Walker, [1865])	AM, Manaus {Pensador} (Bryk 1953); PA, Belém*, Santarém {Taperinha} (Zerny 1931), Tapajós [river] (Walker [1865])

Continuation Table 1.

Species	Record
183. <i>Eumenogaster psedosphecia</i> Hampson, 1898	AM, Manaus (Bryk 1953), Tefé (Zerny 1931), Tonantins (Hampson 1898); PA, Belém*, Santarém {Taperinha} (Zerny 1931)
184. <i>Heliura amazonicum</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912)
185. <i>Heliura balia</i> (Hampson, 1898)	PA, Altamira {Monte Santo} (Teston & Delfina 2010), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
186. <i>Heliura cadroe</i> Schaus, 1924 <sup>NEW</sup>	MA, Açailândia*; PA, Belém*, Capitão Poço*; RO, Cacaúlândia*
187. <i>Heliura excavata</i> (Dognin, 1910)	AM, Benjamin Constant*; PA, Belterra {National Forest of Tapajós} (Freitas 2014), Igarapé Açú*, Santarém (Valente et al. 2018)
188. <i>Heliura haggmani</i> Zerny, 1931	AM, Manicoré*; PA, Santarém {Taperinha} (Zerny 1931)
189. <i>Heliura marica</i> (Cramer, 1775)	AM, Borba*, [Lábrea] {Purus river, [S]epatiny} (Hampson 1898), São Gabriel da Cachoeira {Querari}* , São Paulo de Olivença*, Tefé*; AP, Serra do Navio*; MT Sinop*; PA, [Belém] (Walker 1854a), Breves*, Santarém {Taperinha} (Zerny 1931)
190. <i>Heliura perexcavatum</i> (Rothschild, 1912)	AM, Borba*, Fonte Boa (Rothschild 1912); PA, Belterra {National Forest of Tapajós} (Freitas 2014)
191. <i>Heliura phaeosoma</i> Druce, 1905	AM, Manicoré*, Santa Isabel do Rio Negro*; PA, Belém {Miramar}* , Breves*, Marabá*, Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*
192. <i>Heliura pierus</i> (Cramer, 1782)	AM, Fonte Boa*, [Jutai] {Rio Jutai} (Butler 1878); AP, Porto Grande*, Serra do Navio*; PA, Belém*; RO, Cacaúlândia*, Porto Velho*
193. <i>Heliura postcoeruleum</i> (Rothschild, 1912)	AM, Manicoré (Zerny 1931), Tefé (Zerny 1931); PA, [Belém] (Hampson 1914), Santarém {Taperinha} (Zerny 1931); RO, [Porto Velho] {Rio Madeira, Aliança and Calama} (Rothschild 1912)
194. <i>Heliura rhodophila</i> (Walker, 1856)	AM, Manicoré*; MA, Açailândia*; PA, [Belém] (Butler 1876), Altamira {Monte Santo} (Teston & Delfina 2010), Marabá*, Santarém {Taperinha} (Zerny 1931); RO, Ariquemes*
195. <i>Heliura semihyalina</i> (Rothschild, 1912)	AM, Fonte Boa (Rothschild 1912)
196. <i>Heliura stollii</i> Rothschild, 1912	AM, Benjamin Constant*, Fonte Boa (Rothschild 1912), Tefé (Rothschild 1912)
197. <i>Heliura suffusa</i> (Lathy, 1899)	PA, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
198. <i>Heliura tetragramma</i> (Walker, 1854)	MA, Açailândia*; MT, Sinop*; PA, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém (Walker 1854a), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
199. <i>Heliura thysbodes</i> Dognin, 1914	AM, São Paulo de Olivença (Dognin 1923)
200. <i>Heliura zonata</i> Druce, 1905	AM, Benjamin Constant*, Fonte Boa*, Manaus*; MA, Açailândia*; MT, Sinop*; PA, Óbidos*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*
201. <i>Herea metaxanthus</i> (Walker, 1854)	PA, [Belém] (Walker 1854a)
202. <i>Herea ruficeps</i> (Walker, 1854)	PA, [Belém] (Walker 1854a), Santarém {Taperinha} (Zerny 1931), Tapajós [river] (Hampson 1898)
203. <i>Hyaleucerea erythotela</i> (Walker, 1854)	PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), [Belém] (Walker 1854a), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
204. <i>Hyaleucerea fusiformis</i> (Walker, 1856)	AM, Valley of Amazonas [river] (Walker 1856), São Gabriel [da Cachoeira] {Taracua} (Bryk 1953); PA, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
205. <i>Hyaleucerea lemoulti</i> Schaus, 1905	PA, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931)
206. <i>Hyaleucerea leucosticta</i> Druce, 1905	PA, Belterra {National Forest of Tapajós} (Freitas 2014), Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)

Continuation Table 1.

Species	Record
207. <i>Hyaleucerea manicorensis</i> Rêgo Barros & Machado Filho, 1971	AM, Manicoré (Rêgo Barros & Machado Filho 1971)
208. <i>Hyaleucerea trifasciata</i> (Butler, 1877)	AM, [Lábrea] {Rio Purus, Jurucuá} (Butler 1877), Solimões [river] (Hampson 1898)
209. <i>Hyaleucerea vulnerata</i> Butler, 1875	AM, São Paulo de Olivença (Rêgo Barros & Machado Filho 1971); AP, Serra do Navio (Rêgo Barros & Machado Filho 1971); MT, Sinop*; PA (Travassos Filho 1940), Marabá*, Novo Progresso {Cachimbo}*; Parauapebas {Serra Norte, Carajás}*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaulândia*
210. <i>Hypocladia elongata</i> Druce, 1905	AM, Benjamin Constant*, Manaus (Zerny 1931), Tefé*; AP, Serra do Navio*; PA, [Igarapé-Miri] {estuary of Tocantins [river]} (Zerny 1931), Santarém {Taperinha} (Zerny 1931)
211. <i>Hypocladia militaris</i> (Butler, 1877)	AM, Silves (Butler 1877); RO, Cacaulândia*
212. <i>Hypocladia parvipuncta</i> Hampson, 1909	PA, [Breves] {Furos de Breves} (Zerny 1931)
213. <i>Loxozona lanceolata</i> (Walker, 1854)	PA, [Belém] (Walker 1854a), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
214. <i>Lymire fulvicollis</i> Dognin, 1914	AM, São Gabriel [da Cachoeira] (Bryk 1953)
215. <i>Lymire metamelas</i> (Walker, 1854)	AM, Santa Isabel do Rio Negro*; AP, Serra do Navio*; PA, [Belém] (Walker 1854a), Breves*, Santarém {Taperinha} (Zerny 1931); RO, Porto Velho*
216. <i>Lymire nitens</i> (Rothschild, 1912) <sup>NEW</sup>	PA, Belém*
217. <i>Lymire strigivenia</i> Druce, 1905	PA, Belterra {National Forest of Tapajós} (Freitas 2014)
218. <i>Metastatia pyrrhorhoea</i> (Hübner, 1827)	AM, Manicoré*, [Maués] {Rio Parauary}*; Santa Isabel do Rio Negro*, Tefé*; PA, Anajás*, [Belém] (Hampson 1898), Capitão Poço*, Óbidos*, Ourém*, Santarém {Taperinha} (Zerny 1931)
219. <i>Paraethria angustipennis</i> (Rothschild, 1911)	PA, Itaituba to Óbidos (Rothschild 1911)
220. <i>Paraethria mapiria</i> Draudt, 1915	PA, [Belém] (Hagmann 1938), Belterra {National Forest of Tapajós} (Freitas 2014)
221. <i>Patreliura capys</i> (Cramer, 1775)	AM, Beruri {Rio Purus, Aruman} (Zerny 1931), Borba*, [Lábrea] {Rio Purus, Jurucuá} (Zerny 1931), Rio Juruá (Hampson 1898), [Santa Isabel do Rio Negro] {Rio Preto}*; [São Gabriel da Cachoeira] {Taracua} (Bryk 1953), São Paulo de Olivença*, Tefé {Ega} (Butler 1876); PA, Marabá*, Santarém {Taperinha} (Zerny 1931), [Rio] Tapajós (Butler 1876); RO, Porto Velho*; [RR], [Caracará] {Rio Branco} (Bryk 1953)
222. <i>Philoros rubriceps</i> (Walker, 1854)	[AM], (Zerny 1912); PA, Belém*
223. <i>Pseudaclytia opponens</i> (Walker, [1865])	AM, [Autazes] {Rio Autaz} (Bryk 1953), Barcelos {Rio Negro, Carvoeiro} (Butler 1878), Borba*, Manicoré*, [Maués] {Rio Maués} (Butler 1878), Rio Juruá (Butler 1878), Rio Negro (Butler 1878), Rio Purus (Bryk 1953), São Gabriel [da Cachoeira] (Bryk 1953), Tefé {Ega} (Walker [1865]), Tonantins (Butler 1878); AP, Serra do Navio*; PA, Breves*, Santarém {Taperinha} (Zerny 1931); RO, Cacaulândia*, Porto Velho*; [RR], [Caracará] {Rio Branco} (Bryk 1953)
224. <i>Pseudaclytia umbrica</i> Druce, 1898 <sup>AMZ</sup>	AM, Fonte Boa*
225. <i>Pseudaclytia unimacula</i> (Schaus, 1905)	PA, Belterra {National Forest of Tapajós} (Freitas 2014)
226. <i>Pseudohyaleucerea romani</i> (Bryk, 1953)	AM, Manaus (Bryk 1953)
227. <i>Pseudopompilia mimica</i> Druce, 1898	[AM], Amazonas [river] (Druce 1898); AM, Fonte Boa*, Manicoré*, Tefé*; PA, Belém*, Novo Progresso {Cachimbo}*; Parauapebas {Serra Norte, Carajás}*, Santarém (Valente et al. 2018), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaulândia*, Jarú*
228. <i>Pseudosphenoptera basalis</i> (Walker, 1854)	AM, Tefé {Ega} (Walker 1854a)

Continuation Table 1.

Species	Record
229. <i>Pseudosphoptera boyi</i> Zerny, 1931	PA, Santarém {Mojú} (Zerny 1931)
230. <i>Pseudosphex aracia</i> D. Jones, 1914 <sup>NEW</sup>	PA, Belém*, Breves*, Santarém*
231. <i>Pseudosphex caurensis</i> Klages, 1906	PA, [Belém] (Rothschild 1931)
232. <i>Pseudosphex ichneumonea</i> Herrich-Schäffer, 1854 <sup>AMZ</sup>	AM, Santa Isabel do Rio Negro*; PA, Novo Progresso {Cachimbo}*
233. <i>Pseudosphex klagesi</i> Rothschild, 1911	PA [Belém] (Hagmann 1938), Santarém*
234. <i>Pseudosphex polistes</i> Hübner, 1827	AM, Tefé {Ega} (Walker 1854a); PA, Belém*, Capitão Poço*, Santarém {Taperinha} (Zerny 1931); RO, [Porto Velho] {Rio Machados} (Zerny 1931)
235. <i>Pseudosphex rubripalpus</i> Hampson, 1901 <sup>AMZ</sup>	AM, Manicoré*; MT, Sinop*
236. <i>Ptychotricos fenestriker</i> Zerny, 1931	PA, Santarém {Taperinha} (Zerny 1931)
237. <i>Ptychotricos zeus</i> Schaus, 1894	MA, Açailândia*; MT, Sinop*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Novo Progresso {Cachimbo}*, Parauapebas {Serra Norte, Carajás}*, Santarém {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
238. <i>Riccia aliararia</i> (Druce, 1890)	AM, Borba*, São Paulo de Olivença (Travassos Filho 1953)
239. <i>Schasiura mimica</i> Butler, 1877	AM, Rio Solimões {Barreira das Araras} (Butler 1877); MT, Sinop*; PA, Novo Progresso {Cachimbo}*; RO, Cacaúlândia*
240. <i>Sciopsyche tropica</i> (Walker, 1854)	AM, Tefé (Butler 1876); PA, Santarém (Butler 1876); RO, Cacaúlândia*, Jarú*
241. <i>Sesiura smaragdina</i> (Walker, [1865])	AM, [Autazes] {Rio Autaz} (Bryk 1953), Manicoré*, Tefé {Ega} (Walker [1865]); PA, Belém*, Santarém*
242. <i>Syntrichura sphecomorpha</i> Bryk, 1953	AM, [São Gabriel da Cachoeira] {Taracua} (Bryk 1953)
243. <i>Syntrichura virens</i> Butler, 1876 <sup>NEW</sup>	AM, São Paulo de Olivença*; PA, Belém*, Santarém*
244. <i>Telioneura albapese</i> (Druce, 1898)	AM, Manicoré*; MT, Sinop*; PA, Belém*, Santarém (Valente et al. 2018)
245. <i>Telioneura brevipennis</i> (Butler, 1877)	AM, Manicoré*, [Tapauá] {Rio Purus, Guajaratuba} (Butler 1877); MA, Açailândia*; PA, Altamira {Monte Santo} (Delfina & Teston 2013), Belém*; RO, Porto Velho*
246. <i>Telioneura fuliginosa</i> (Rothschild, 1910)	AM, Fonte Boa (Rothschild 1910)
247. <i>Telioneura glaucopsis</i> R. Felder, 1869	AM, Barcelos {Moura}*, Beruri {Rio Purus, Aruman} (Butler 1878), [Canutama] {Rio Purus, Urucuri} (Butler 1878), [Carauari] {Rio Juruá, Curimatá} (Butler 1878), [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), Fonte Boa*, [Lábrea] {Rio Purus, Jurucua e Man[aua]} (Butler 1878), Manicoré*, [Maués] {Rio Parauary}*, Amazonas [river] (R. Felder 1869), Rio Negro (Butler 1878), São Paulo de Olivença*, Tefé*; AP, Serra do Navio*; PA, Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Parauapebas {Serra Norte, Carajás}*, Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*, Candeias do Jamari*, Jarú*, Porto Velho*
248. <i>Telioneura hypophaeus</i> (Hampson, 1905)	PA, Santarém {Taperinha} (Zerny 1931)
249. <i>Theages albidias</i> (Rothschild, 1912)	AM, Fonte Boa (Hampson 1914), Manaus (Hampson 1914); PA, Marabá*, [Novo Progresso] {Cachimbo} (Travassos 1964b), Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*, Porto Velho*
250. <i>Theages leucophaea</i> Walker, 1855	PA, São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015)
251. <i>Theages xanthura</i> (Schaus, 1910) <sup>AMZ</sup>	AM, Benjamin Constant*; MT, Sinop*; PA, Santarém*; RO, Cacaúlândia*, Candeias do Jamari*
252. <i>Timalus leucomela</i> (Walker, 1856)	AM, Manicoré*; MT, Sinop*; PA, [Belém] (Walker 1856), Novo Progresso {Cachimbo}*, Parauapebas {Serra Norte, Carajás}*, Santarém {Mojú} and {Taperinha} (Zerny 1931), São Félix do Xingu {Serra do Pardo National Park} (Teston & Correa 2015); RO, Cacaúlândia*

Continuation Table 1.

Species	Record
253. <i>Trichura aurifera</i> Butler, 1876	AM, Santa Isabel do Rio Negro*; AP, Serra do Navio*; MA, Santa Luzia*; PA, [Belém] (Butler 1876), Altamira {Serra do Pardo National Park} (Teston & Correa 2015), Santarém {Taperinha} (Zerny 1931)
254. <i>Trichura cerberus</i> (Pallas, 1772)	AM, Manaus*, Upper Amazon (Zerny 1912), São Paulo de Olivença*, Santa Isabel do Rio Negro*; PA, Belém*, Breves*, Capitão Poço*, Óbidos*, Santarém {Taperinha} (Zerny 1931); RO, Porto Velho*
255. <i>Trichura coarctata</i> (Drury, 1773)	AM, Manaus*, [São Gabriel da Cachoeira] {Taracúá} (Bryk 1953); PA, [Belém] (Butler 1876), Santarém*
256. <i>Trichura dixanthia</i> Hampson, 1898 <sup>NEW</sup>	AM, Manaus*
257. <i>Trichura esmeralda</i> (Walker, 1854)	AM, Anamá*; PA, [Belém] (Draudt 1915)
258. <i>Trichura latifascia</i> (Walker, 1854)	PA, [Belém] (Walker 1854a), Santarém*
259. <i>Trichura mathina</i> Druce, 1898	AM, [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), São Paulo de Olivença*; PA, [Belém] (Druce 1898), Santarém*
260. <i>Uranophora albiplaga</i> (Walker, 1854) <sup>NEW</sup>	AM, Benjamin Constant*; MA, Açailândia*; PA, Parauapebas {Serra Norte, Carajás}*; RO, Cacaúlândia*
261. <i>Uranophora alterata</i> (Walker, [1865])	AM, Tefé (Walker [1865]); PA (Hagmann 1938); RO, Cacaúlândia*
262. <i>Uranophora atalanta</i> (Druce, 1899)	[AM], Amazonas [river] (Druce 1899)
263. <i>Uranophora felderi</i> (Zerny, 1912) <sup>NEW</sup>	AM, Manicoré*
264. <i>Uranophora jynx</i> (Hübner-Geyer, 1832)	AM, Amazonas [river] (Zerny 1912), Fonte Boa*, São Paulo de Olivença*
265. <i>Uranophora leucotela</i> (Butler, 1876)	AM, Manaus*; PA, Altamira {Monte Santo} (Teston & Delfina 2010), Itaituba*, Santarém {Taperinha} (Zerny 1931)
266. <i>Uranophora metamela</i> (Dognin, 1911)	PA, [Belém] (Gaede 1926)
267. <i>Uranophora quadrimaculata</i> (Möschler, 1872) <sup>NEW</sup>	AM, São Gabriel da Cachoeira*
268. <i>Uranophora splendida</i> (Herrich-Schäffer, [1854]) <sup>AMZ</sup>	AM, Tefé*; RO, Candeias do Jamari*
269. <i>Uranophora superba</i> (Druce, 1906) <sup>NEW</sup>	MA, Santa Luzia*
270. <i>Uranophora terminalis romani</i> (Bryk, 1953)	AM, Manaus (Bryk 1953); RO, Porto Velho*
271. <i>Uranophora walkeri</i> (Druce, 1889)	AP, Serra do Navio*; MA, Açailândia*; PA, Belterra {National Forest of Tapajós} (Freitas 2014), Marabá*, Parauapebas {Serra Norte, Carajás}*; Santarém {Taperinha} (Zerny 1931); RO, Cacaúlândia*
272. <i>Urolosia brodea</i> (Schaus, 1896)	PA, Santarém {Taperinha} (Zerny 1931)
273. <i>Xanthopleura perspicua</i> (Walker, 1856)	AM, [Eirunepé] {Rio Juruá, São Felipe} (Zerny 1931), Manicoré*; PA, Altamira {Monte Santo} (Delfina & Teston 2013), [Belém] (Walker 1856), Belterra {National Forest of Tapajós} (Freitas 2014), Novo Progresso {Cachimbo}*; Parauapebas {Serra Norte, Carajás}*; Santarém*; RO, Cacaúlândia*

<sup>AMZ</sup> Species recorded for states within the Amazon biome by Ferro and Diniz (2010), but without precise location and biome information + species recorded in Ferro and Diniz (2007). So these species are new records for the municipalities. <sup>NEW</sup> New record for the Brazilian Amazon.

## Ctenuchina of the Brazilian Amazon

**Table 2.** Geographic coordinates of municipalities and richness of the Ctenuchina species (Erebidae, Arctiinae, Arctini) in the Brazilian Amazon.

Nº	State	Municipality	Richness	Latitude	Longitude
1	AC	Feijó	2	08°09'52"S	70°21'13"W
2	AP	Mazagão	1	00°06'55"S	51°17'21"W
3	AP	Oiapóque	1	03°50'35"N	51°50'05"W
4	AP	Porto Grande	1	00°37'01"N	51°38'60"W
5	AP	Santana	1	00°03'30"S	51°10'54"W
6	AP	Serra do Navio	27	00°53'45"N	52°00'07"W
7	AM	Anamá	1	03°34'47"S	61°24'15"W
8	AM	Autazes	4	03°24'02"S	58°57'00"W
9	AM	Atalaia do Norte	4	04°25'46"S	70°15'41"W
10	AM	Barcelos	6	01°27'01"S	61°37'59"W
11	AM	Benjamin Constant	24	04°22'60"S	70°01'52"W
12	AM	Beruri	4	04°44'09"S	62°09'01"W
13	AM	Boa Vista do Ramos	1	03°03'19"S	57°38'20"W
14	AM	Borba	12	04°23'17"S	59°35'37"W
15	AM	Canutama	2	06°32'02"S	64°22'59"W
16	AM	Carauari	6	05°03'01"S	66°56'59"W
17	AM	Codajás	1	03°50'13"S	62°03'25"W
18	AM	Eirunepé	13	06°40'01"S	69°52'00"W
19	AM	Fonte Boa	28	02°30'51"S	66°05'30"W
20	AM	Humaitá	4	07°30'23"S	63°01'14"W
21	AM	Itacoatiara	1	03°08'36"S	58°26'39"W
22	AM	Jutaí	12	04°18'57"S	67°20'42"W
23	AM	Lábrea	7	07°18'51"S	65°08'40"W
24	AM	Manaus	31	03°06'07"S	60°01'30"W
25	AM	Manicoré	41	05°48'34"S	61°18'00"W
26	AM	Maués	9	03°23'01"S	57°43'07"W
27	AM	Novo Airão	3	02°37'37"S	60°57'00"W
28	AM	Santa Isabel do Rio Negro	18	00°24'51"S	65°01'08"W
29A	AM	São Gabriel da Cachoeira	18	00°07'50"S	67°05'20"W
29B	AM	São Gabriel da Cachoeira {Querari}	3	01°04'60"N	69°50'59"W
30	AM	São Paulo de Olivença	46	03°22'42"S	68°52'20"W
31	AM	Silves	1	02°50'20"S	58°12'33"W
32	AM	Tabatinga	2	04°15'10"S	69°56'17"W
33	AM	Tapauá	3	05°37'42"S	63°11'00"W
34	AM	Tefé	38	03°21'16"S	64°42'40"W
35	AM	Tonantins	3	02°52'24"S	67°48'08"W
36	MA	Açailândia	28	04°56'49"S	47°30'17"W
37	MA	Santa Luzia	4	03°57'48"S	45°39'29"W
38	MT	Aripuanã	2	10°10'01"S	59°27'33"W
39	MT	Sinop	24	11°52'51"S	55°30'08"W
40	PA	Almeirim	2	01°31'24"S	52°34'54"W

Continuation Table 2.

41	PA	Alenquer	1	01°56'31"S	54°44'18"W
42A	PA	Altamira <sup>†</sup>	22	03°11'55"S	52°10'15"W
42B	PA	Altamira {Serra do Pardo National Park} <sup>†</sup>	16	05°38'21"S	52°41'52"W
43	PA	Anajás	3	00°59'13"S	49°56'23"W
44	PA	Belém	87	01°27'21"S	48°30'15"W
45	PA	Belterra {National Forest of Tapajós} <sup>†</sup>	28	03°01'05"S	54°58'10"W
46	PA	Benevides	2	01°21'42"S	48°14'40"W
47	PA	Breves	21	01°40'56"S	50°28'49"W
48	PA	Cametá	3	02°14'40"S	49°29'45"W
49	PA	Capitão Poço	7	01°44'48"S	47°03'33"W
50	PA	Chaves	1	00°09'36"S	49°59'18"W
51	PA	Curralinho	1	01°48'49"S	49°47'42"W
52	PA	Igarapé Açú	1	01°07'45"S	47°37'11"W
53	PA	Igarapé-Miri	2	01°58'31"S	48°57'34"W
54	PA	Itaituba	6	04°16'35"S	55°59'01"W
55	PA	Marabá	27	05°22'07"S	49°07'04"W
56	PA	Novo Progresso {Cachimbo}	15	09°19'60"S	54°52'59"W
57	PA	Óbidos	5	01°55'04"S	55°31'04"W
58	PA	Oriximiná	3	01°21'60"S	56°04'44"W
59	PA	Ourém	2	01°33'07"S	47°06'52"W
60	PA	Paragominas	1	02°59'45"S	47°21'10"W
61	PA	Parauapebas	14	06°00'56"S	50°17'51"W
62	PA	Santarém	139	02°26'36"S	54°42'29"W
63	PA	São Félix do Xingu {Serra do Pardo National Park} <sup>†</sup>	44	05°46'26"S	52°37'13"W
64	PA	São Miguel do Guamá	1	01°37'37"S	47°29'00"W
65	PA	Soure	1	00°43'01"S	48°31'24"W
66	PA	Tucuruí	2	03°42'01"S	49°42'00"W
67	PA	Viseu	2	01°11'49"S	46°08'23"W
68	RO	Ariquemes	7	09°54'48"S	63°02'26"W
69	RO	Cacaulândia	60	10°20'21"S	62°53'43"W
70	RO	Candeias do Jamari	5	08°48'35"S	63°41'44"W
71	RO	Jarú	6	10°26'20"S	62°27'58"W
72	RO	Porto Velho	45	08°45'43"S	63°54'13"W
73	RO	Vila Rondônia	2	10°52'01"S	61°57'00"W
74	RR	Alto Alegre	3	02°53'45"N	61°29'51"W
75	RR	Caracarái	3	01°47'60"N	61°07'50"W

Geographic coordinates of municipality marked with <sup>†</sup> are the citations referred, other obtained by Google Earth or Geo Loc tool (see Materials and Methods).



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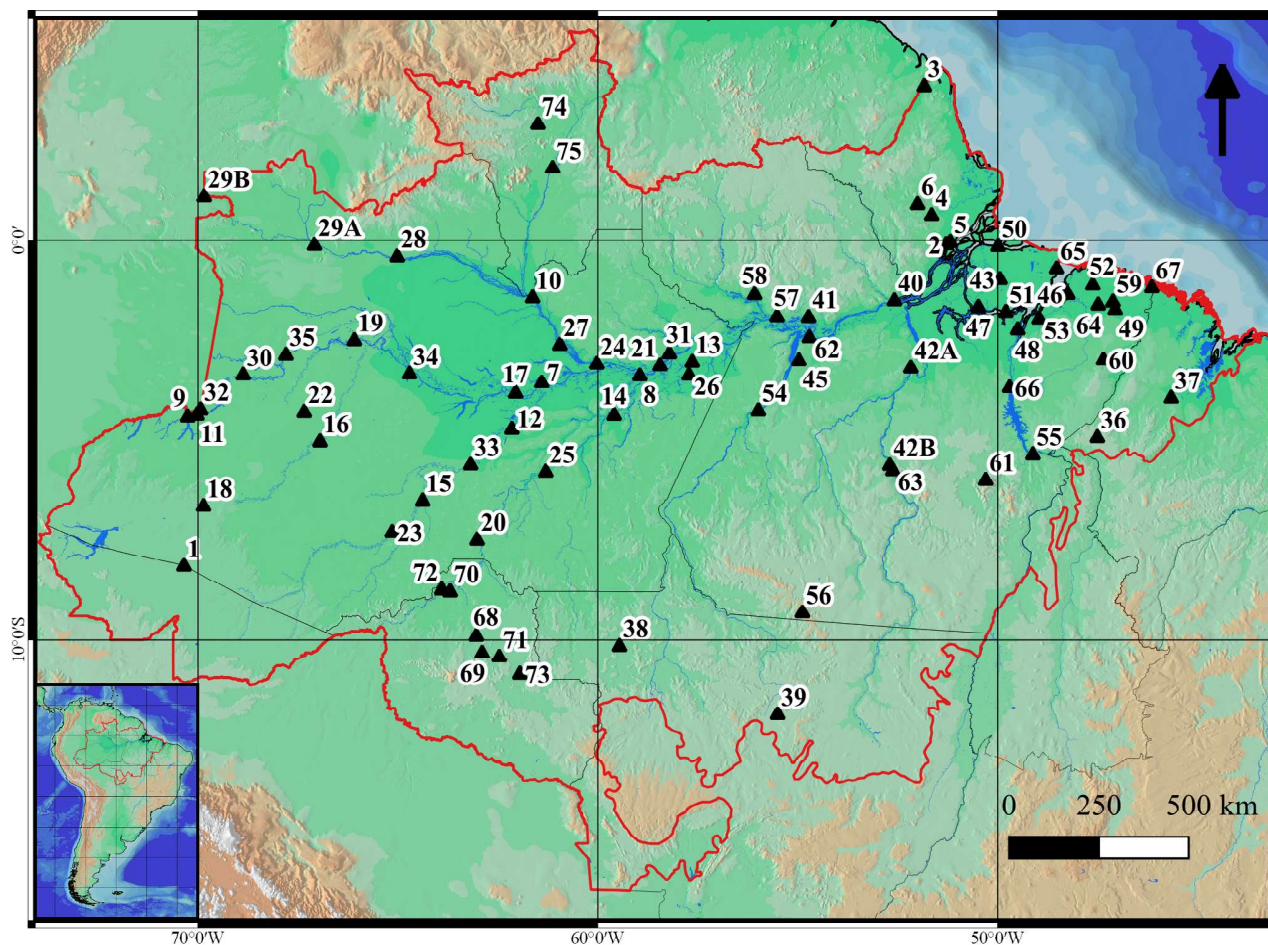


Figure 1. Geographic distribution of Ctenuchiina species records in Brazillian Amazon. The numbers refer to the municipalities of Table 2.

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**Author contributions**

José A. Teston: Substantial contribution in the concept and design of the study.

Viviane G. Ferr: Substantial contribution in the concept and design of the study.

Débora S. de Abreu: Contribution to data collection.

**Conflicts of interest**

The authors declares that they have no conflict of interest related to the publication of this manuscript.

**References**

BRYK, F. 1953. Lepidoptera aus dem amazonasgebiete und aus Peru gesammelt von Dr. Douglas Melin und Dr. Abraham Roman. *Ark. zool.* 5(1): 1–268.

BUTLER, A.G. 1876. Notes on the Lepidoptera of the family Zygaenidae, whit descriptions of new genera and species. *J. Linn. Soc. Lond., Zool.* 12(60-62): 342–407.

BUTLER, A.G. 1877. Illustrations of typical specimens of Lepidoptera Heterocera in the British Museum part I. Taylor & Francis, London.

BUTLER, A.G. 1878. On the Lepidoptera of the Amazons, collected by Dr James W. H. Trail during the years 1873 to 1875. *Trans. Entomol. Soc. Lond.* 26(1): 39–84.

CONNER, W.E. & JORDAN, A.T. 2009. From armaments to ornaments: the relationship between chemical defense and sex in tiger moths. In *Tiger moths and wooly bears. Behavior, ecology, and evolution of the Arctiidae* (W.E. Conner, ed.). Oxford University Press, New York, p.155–172.

DELFINA, M.C. & TESTON, J.A. 2013. Arctiinae (Lepidoptera, Arctiidae) ocorrentes em uma área de pastagem na Amazônia Oriental em Altamira, Pará, Brasil. *Acta Amaz.* 43(1): 81–90.

DOGNIN, P. 1921. Hétérocères nouveaux de l’Amérique du Sud Fascicule XIX. Imprimerie Oberthür, Rennes.

DOGNIN, P. 1923. Hétérocères nouveaux de l’Amérique du Sud Fascicule XXIII. Imprimerie Oberthür, Rennes.

- DRAUDT, M. 1914-1919. Familie: Syntomidae. In Die Gross-Schmetterlinge der Erde. II. Abteilung: Die Gross-Schmetterlinge des Amerikanischen Faunengebietes. 6. Band. Die Amerikanischen Spinner und Schwärmer (A. Seitz, ed.). Alfred Kernen, Stuttgart, p.33–230.
- DRUCE, H. 1884 (1881-1900). Insecta. Lepidoptera-Heterocera. Vol. I. In Biologia Centrali-Americana (F.D. Godman & O. Salvin, eds.). H. R. Porter, London, p.1-490.
- DRUCE, H. 1893. Descriptions of new species of Lepidoptera Heterocera from Central and South America. Proc. Zool. Soc. Lond. 1893: 280–311.
- DRUCE, H. 1895. Descriptions of some new Species of Heterocera from the Eastern Islands and Tropical America. Ann. Mag. nat. Hist. 15(6): 41–50.
- DRUCE, H. 1898. Descriptions of some new species of Syntomidae, chiefly in the Oxford Museum. Ann. Mag. nat. Hist. 7(1): 401–408.
- DRUCE, H. 1899. Descriptions of some new species of Heterocera from Tropical America. Ann. Mag. nat. Hist. 7(3): 293–302.
- FELDER, C. & FELDER, R. 1864–1875. Pl. 75–120 (1874). In Reise der österreichischen fregatte novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. Von Wüllestorf-Urbair. Zoologischer Theil, Zweiter Band, Zweite Abtheilung: Lepidoptera (C. Felder, R. Felder & A.F. Rogenhofer, eds.). Staatsdruckerei, Vienna.
- FERRO, V.G. & DINIZ, I.R. 2007. Arctiidae (Insecta: Lepidoptera) da Estação Biológica de Boracéia (Salesópolis, São Paulo, Brasil). Biota Neotrop. 7(3): 331–338. <http://dx.doi.org/10.1590/S1676-06032007000300033> (last access on 15/07/2018)
- FERRO, V.G. & DINIZ, I.R. 2010. Riqueza e composição das mariposas Arctiidae (Lepidoptera) no Cerrado. In Cerrado: conhecimento quantitativo como subsídio para as ações de conservação (I.R. Diniz, J. Marinho-Filho, R.B. Machado & R. Cavalcanti, eds.). Editora Thesaurus, Brasília, p.255–313.
- FERRO, V.G., MELO, A.S. & DINIZ, I.R. 2010. Richness of tiger moths (Lepidoptera: Arctiidae) in the Brazilian Cerrado: how much do we know? Zoologia 27(5): 725–731.
- FERRO, V.G., RESENDE, I.M.H. & DUARTE, M. 2012. Arctiinae (Lepidoptera: Erebidae) do estado de Santa Catarina, Brasil. Biota Neotrop. 12(4): 166–180. <http://dx.doi.org/10.1590/S1676-06032012000400018> (last access on 15/07/2018)
- FIELD, W.D. 1975. Ctenuchid moths of *Ceramidia* Butler, *Ceramidiodes* Hampson, and the Caca Species Group of *Antichloris* Hubner. Washington. Smithson. contrib. zool. 198(1): 1–44.
- FREITAS, M.P. de. 2014. Estratificação vertical de Arctiini (Lepidoptera, Erebidae, Arctiinae) na Floresta Nacional do Tapajós, Amazônia Oriental, Pará, Brasil. Dissertação de Mestrado, Universidade Federal do Oeste do Pará, Santarém.
- GAEDE, M. 1926. Amatiden des Berliner Zoologischen Museums (Lep.). Dtsch. entomol. z. 1926(2): 113–136.
- HAGMANN, G. 1938. Syntomideos (Amatideos=Euchromideos) do Estado do Pará. In Livro Jubilar do Professor Lauro Travassos. Typographia do Instituto Oswaldo Cruz, Rio de Janeiro, p.185–194.
- HAMPSON, G.F. 1898. Catalogue of the Lepidoptera Phalaenae in the British Museum. Catalogue of the Syntomidae in the collection of the British Museum. Taylor & Francis, London.
- HAMPSON, G.F. 1901. Catalogue of the Lepidoptera Phalaenae in the British Museum. Catalogue of the Arctiidae (Arctiinae) and Agaristidae in the collection of the British Museum. Taylor & Francis, London.
- HAMPSON, G.F. 1914. Catalogue of the Lepidoptera Phalaenae in the British Museum. Supplement. Volume I. Catalogue of the Amatidae and Arctiidae (Nolinae and Lithosianae) in the collection of the British Museum. Taylor & Francis, London.
- HAWES, J., MOTTA, C. da S., OVERAL, W.L., BARLOW, J., GARDNER, T.A. & PERES, C.A. 2009. Diversity and composition of Amazonian moths in primary, secondary and plantation forest. J. Trop. Ecol. 25(3): 281–300.
- HEPPNER, J.B. 1991. Faunal regions and the diversity of Lepidoptera. Trop. Lep. 2(suppl. 1): 1–85.
- HERNÁNDEZ-BAZ, F., MORON, M.A., CHAMÉ-VAZQUEZ, E. & GONZÁLEZ, J.M. 2013. Ctenuchina and Euchromiina (Lepidoptera: Erebidae: Arctiinae) of Three Biological Research Stations of México's Ecosur. J. Lepid. Soc. 67(3): 145–155.
- HERRICH-SCHÄFFER, G.A.W. [1855]. Sammlung neuer oder bekannter ausseuropaischer Schmetterlinge I. G.J. Manz, Regensburg.
- JACOBSON, N.L. & WELLER, S.J. 2002. A cladistics study of the Arctiidae (Lepidoptera) by using characters of immatures and adults. Thomas Say Publications in Entomology, Lanham.
- JANZEN, D. & HALLWACHS, W. 2005. Philosophy, navigation and use of a dynamic database (ACG Caterpillars SRNP) for an inventory of the macrocaterpillar fauna, and its foodplants and parasitoids of the Area de Conservación Guanacaste (ACG), north-western Costa Rica. <http://janzen.sas.upenn.edu> (last access in 30/07/2018).
- KITCHING, I.J. & RAWLINS, J.E. 1999. The Noctuoidea. In Lepidoptera, moths and butterflies. Volume 1: evolution, systematics, and biogeography (N.P. Kristensen, ed. vol.). In Handbook of zoology. Volume IV Arthropoda: insect (M. Fischer, ed.). de Gruyter, Berlin, p.355–401.
- MACHADO FILHO, J. & RÊGO BARROS, A. 1970. Ctenuchidae Neotropicais V. Redescrição do gênero *Argyrtidia* Hampson, 1898 e descrição de nova espécie (Lepidoptera - Heterocera). Bol. Mus. Nac. 278(1): 1–17.
- MORENO, C. & FERRO, V.G. 2016. Arctiinae moths (Lepidoptera, Erebidae) of the Emas National Park, Goiás, Brazil. Biota Neotropica 16, p. e20150037. doi: <http://dx.doi.org/10.1590/1676-0611-BN-2015-0037> (last access on 31/07/2018).
- PINHEIRO, L.R. 2016. Re-evaluation of the identities of *Eucereon punctatum* (Guérin-Méneville, [1844]) and *E. archias* (Stoll, 1790), with a discussion on *E. mitigatum* Walker, 1857, rev. stat. (Lepidoptera, Erebidae, Arctiini, Ctenuchina). Zoosystema 38(1): 127–140.
- PINHEIRO, L.R. & DUARTE, M. 2013. Taxonomic notes on Ctenuchina, Euchromiina, and Phaegopterina (Lepidoptera, Erebidae, Arctiinae, Arctiini). Fla. Entomol. 96(2): 351–359.
- PINHEIRO L.R. & GAAL-HASZLER, S. 2015. Illustrated catalogue of Neotropical Ctenuchina, Euchromiina and Pericopina types (Lepidoptera, Erebidae, Arctiinae, Arctiini) described by Hans Zerny, with discussion on their taxonomic status. Zootaxa. 3925(4): 505–535.
- PINHEIRO, L.R. & MAY, W. 2015. Revision of the Genus *Pseudaethria* Schaus (Lepidoptera, Erebidae). Neotrop. Entomol. 44(6): 588–595.
- RÊGO BARROS, A. & MACHADO FILHO, J. 1971. Estudo dos Ctenuchidae Neotropicais - I Sobre o gênero *Hyaleucerea* Butler, 1875 (Lepidoptera – Heterocera). Arq. Mus. Nac. 54(1): 171–176.
- ROTHSCHILD, L.W. 1910. Descriptions of new species of Arctiinae in the Tring Museum. Novit. zool. 17(1): 172–188.
- ROTHSCHILD, L.W. 1911. New Syntomidae and Arctiinae. Novit. zool. 18(1): 154–158.
- ROTHSCHILD, L.W. 1912. New Syntomidae. Novit. zool. 19(1): 151–186.
- SANTOS, N. 1939. Contribuição ao conhecimento dos Euchromiidae IV. Gênero *Androcharta* Felder, 1862. (Lepidoptera). Boletim Biológico 4(1): 87–97.
- SCHERRER, S., FERRO, V.G., RAMOS, M.N. & DINIZ, I.R. 2013. Species composition and temporal activity of Arctiinae (Lepidoptera: Erebidae) in two cerrado vegetation types. Zoologia 30(2): 200–210.
- SEITZ, A. 1919-1925. 4. Familie: Arctiidae, Bärenspinner. In Die Gross-Schmetterlinge der Erde. II. Abteilung: Die Gross-Schmetterlinge des Amerikanischen Faunengebietes. 6. Band. Die Amerikanischen Spinner und Schwärmer (A. Seitz, ed.). Alfred Kernen, Stuttgart, p.231–497.
- SIMONS, R.B. 2009. Adaptive coloration and mimicry. In Tiger moths and wooly bears. Behavior, ecology, and evolution of the Arctiidae (W.E. Conner, ed.). Oxford University Press, New York, p.115–126.
- STAUDINGER, O. 1894 Hochandine Lepidopteren. Dtsch. entomol. z. IRIS. 7(1): 43–100.
- TESTON, J.A. & CORREA, D. do C.V. 2015. The Arctiini (Lepidoptera, Erebidae, Arctiinae) fauna of the Serra do Pardo National Park, Pará, Brazil. Check List 11(2): 1-9.

- TESTON, J.A. & DELFINA, M.C. 2010. Diversidade de Arctiinae (Lepidoptera, Arctiidae) em área alterada em Altamira, Amazônia Oriental, Pará, Brasil. *Acta Amaz.* 40(2): 387–396.
- TESTON, J.A., NOVAES, J.B. & ALMEIDA JUNIOR, J.O.B. 2012. Abundância, Composição e Diversidade de Arctiinae (Lepidoptera, Arctiidae) em um fragmento de floresta na Amazônia Oriental em Altamira, PA, Brasil. *Acta Amaz.* 42(1): 105–114.
- TESTON, J.A. & FERRO, V.G. 2016a. Arctiini Leach, [1815] (Lepidoptera, Erebidae, Arctiinae) of the Brazilian Amazon. I – Subtribe Phaegopterina Kirby, 1892. *Check List* 12(2): 1–16.
- TESTON, J.A. & FERRO, V.G. 2016b. Arctiini Leach, [1815] (Lepidoptera, Erebidae, Arctiinae) of the Brazilian Amazon. II – Subtribe Pericopina Walker, [1865]. *Check List* 12(6): 1–7.
- TRAVASSOS, L. 1952. Contribuição ao conhecimento dos “Arctiidae”. XXX, Espécies do gênero “*Nelphe*” H. Schaeffer, 1855. *Rev. Bras. Biol.* 12(4): 369–384.
- TRAVASSOS, L. 1959. Contribuição ao conhecimento dos “Arctiidae”. XLII. Gênero *Eucereon* Huebner, 1819 (Lepidoptera, Heterocera). *Mem. Inst. Oswaldo Cruz* 57(2): 172–184.
- TRAVASSOS, L. 1964a. Contribuição ao conhecimento dos Arctiidae. XLIII. Descrição da genitália de cinco espécies dos gêneros *Eucereon* Hubner, 1819 e *Eucereoides* Travassos, 1961. *Rev. Bras. Entomol.* 11(1): 9–29.
- TRAVASSOS, L. 1964b. Contribuição ao conhecimento dos Arctiidae (Lepidoptera-Heterocera) gênero *Theages* Walker 1855. *An. Acad. Bras. Cienc.* 36(2): 173–188.
- TRAVASSOS FILHO, L. 1938. Contribuição ao conhecimento dos Euchromiidae. Gênero *Corematura* Butler, 1876. *Mem. Inst. Oswaldo Cruz* 33(2): 259–262.
- TRAVASSOS FILHO, L. 1940. Contribuição à Zoogeografia dos Euchromiidae Brasileiros. *Arq. Zool. Est. São Paulo.* 2(10): 281–297.
- TRAVASSOS FILHO, L. 1952. Redescricao de *Corematura* Butler, 1876 e de suas duas espécies. (Lepidoptera Ctenuchidae). *Arq. Zool. Est. São Paulo.* 8(3): 89–108.
- TRAVASSOS FILHO, L. 1953. *Riccia*, novo gênero para *Corematura aliaria* (Druce 1890) e descrição do Alótipo dessa espécie. (Lep. Ctenuchidae). *Pap. Avulsos Dep. Zool./Secr. Agric.* 11(17): 280–287.
- TRAVASSOS FILHO, L. 1957. Contribuição ao conhecimento dos Ctenuchidae. (Lep.) VII- Gênero *Dinia* Walker, 1854. *Arq. Zool. Est. São Paulo.* 10(2): 186–207.
- TRAVASSOS FILHO, L. & URBAN, H. 1967. Bionomia de *Dinia eaegrus* (Cramer, 1779). (Lepidoptera – Ctenuchidae). *Pap. Avulsos Zool.* 20(18): 217–222.
- VALENTE, D.M.P., ZENKER, M.M. & TESTON, J.A. 2018. Tiger-Moths in Savannas in Eastern Amazon: First Assessment of Diversity and Seasonal Aspects. *Neotrop. Entomol.* 47 (6): doi:10.1007/s13744-017-0579-y.
- VINCENT, B. & LAGUERRE, M. 2014. Catalogue of the Neotropical Arctiini Leach, [1815] (except Ctenuchina Kirby, 1837 and Euchromiina Butler, 1876) (Insecta, Lepidoptera, Erebidae, Arctiinae). *Zoosystema* 36(2): 137–533.
- WALKER, F. 1854a. List of the specimens of lepidopterous insects in the collection of the British Museum. Part I. — Lepidoptera Heterocera. Edward Newman, London.
- WALKER, F. 1854b. List of the specimens of lepidopterous insects in the collection of the British Museum. Part II. — Lepidoptera Heterocera. Edward Newman, London.
- WALKER, F. 1856. List of the specimens of lepidopterous insects in the collection of the British Museum. Part VII. — Lepidoptera Heterocera. Edward Newman, London.
- WALKER, F. [1865]. List of the specimens of lepidopterous insects in the collection of the British Museum. Part XXXI. — Supplement. Edward Newman, London.
- WALKER, F. 1866. List of the specimens of lepidopterous insects in the collection of the British Museum. Part XXXV. — Supplement Part 5. Edward Newman, London.
- WATSON, A., FLETCHER, D.S. & NYE, I.W.B. 1995. Noctuoidea: Arctiidae, Cocytidae, Ctenuchidae, Dilobidae, Diopitidae, Lymantriidae, Notodontidae, Strepsimanidae, Thaumetopoeidae & Thyretidae. In the Generic names of moths of the world (I.W.B. Nye, ed.). The Natural History Museum, London, v.2, p.1-228.
- WELLER, S.J., DACOSTA, M., SIMMONS, R.B., DITTMAR, K. & WHITING, M. 2009. Evolution and taxonomic confusion in Arctiidae. In *Tiger Moths and Wolly Bears, Behavior, Ecology and Evolution of the Arctiidae* (W.E. Conner, ed.). Oxford University Press, New York, p.11–30.
- WELLER, S.J., SIMMONS, R.B., BOADA, R. & CONNER, W.E. 2000. Abdominal Modifications Occurring in Wasp Mimics of the Ctenuchine-Euchromiine Clade (Lepidoptera: Arctiidae). *Ann. Entomol. Soc. Am.* 93(4): 920–928.
- ZAHIRI, R., HOLLOWAY, J.D., KITCHING, I.J., LAFONTAINE, J.D., MUTANEN, M. & WAHLBERG, N. 2012. Molecular phylogenetics of Erebidae (Lepidoptera, Noctuoidea). *Syst. Entomol.* 37(1): 102–124.
- ZERNY, H. 1912. Syntomidae. In *Lepidopterorum Catalogus* (H. Wagner, ed.). W. Junk, Berlin, p.1–179.
- ZERNY, H. 1931. Ergebnisse einer zoologischen Sammlerreise nach Brasilien, insbesondere in das Amazonasgebiet, ausgeführt von Dr. H. Zerny. VII. Teil. Lepidoptera III: Die Syntomiden des Staates Pará. *Ann. Nat. hist. Mus. Wien* 45(1): 225–263.

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