

Papéis Avulsos de Zoologia

PAPÉIS AVULSOS ZOOL., S. PAULO, VOL. 26 (13): 179-185

26.II.1973

THE TYPE-MATERIAL OF LEPIDOPTERA RHOPALOCERA CONTAINED IN THE COLLECTIONS OF THE MUSEU DE ZOOLOGIA DA UNIVERSIDADE DE SÃO PAULO

GERARDO LAMAS M.

ABSTRACT

The type-material of twenty-six species and subspecies of Rhopalocera preserved in the collections of the Museu de Zoologia da Universidade de São Paulo is listed herein. Lectotype designations are made for all but one of the syntypic series of 8 species and subspecies.

INTRODUCTION

While revising the Rhopalocera collections of the Museu de Zoologia da Universidade de São Paulo, I was able to locate the type-material of 26 species and subspecies of butterflies. Some of the type-series consisted of syntypes, and lectotype selection was made for all but one of the 8 type-series found in that situation. Specimens described or labelled as allotypes have been listed as paratypes (although always mentioning their "allotype" label), in accordance with the International Code of Zoological Nomenclature (cf. Stoll *et al.*, 1964), which does not consider the use of allotypes.

The species and subspecies have been arranged phylogenetically under families and subfamilies, with their original spelling and taxonomic status.

PAPILIONIDAE

PAPILIONINAE

1. *Iphiclides telesilaus salobrensis* d'Almeida, 1941:319, pl. 1, figs. 2-4 (photo, whole insect). Type-locality: Brazil, Mato Grosso, Salobra. Type-material: 1 ♂ paratype.
2. *Battus (Parides) castilhoi* d'Almeida, 1967:89, figs. 1-2 (photo, whole insect). Type-locality: Brazil, São Paulo, Município de Castilho, left banks of the Paraná River, Castilho. Holotype ♂ and 1 ♀ paratype (the latter labelled as "Alótipo").

NYMPHALIDAE

ITHOMIINAE

3. *Melinaea clara juruaensis* d'Almeida, 1943:165, unnn. pl., upper fig. (photo, whole insect). Type-locality: Brazil, Amazonas, Rio Juruá. Holotype ♂.
4. *Ceraticada canaria* Brown & d'Almeida, 1970:6, figs. 17-20 (photo, whole insect), 22 (photo, egg), 23-25 (photo, larva), 26-27 (photo, pupa), 8 (♂ genitalia), 14 (♀ vaginal plate and tip of abdomen). Type-locality: Brazil, Espírito Santo, 9 km S of Pedro Canário.
5 ♂♂ and 5 ♀♀ paratypes.

SATYRINAE

5. *Cercyonis luederwaldti* Spitz, 1931:46, fig. 2 (underside of left wings). Type-locality: Brazil, Goiás, Vianópolis.
7 ♂♂ and 1 ♀ syntypes, of which I have selected as lectotype a ♂ specimen labelled as follows:
 - (i) III.1930.GOYAZ (printed)
(Viannopolis)
Col. R. Spitz
 - (ii) Typo ! (handwritten with black ink)
Ceryonis [sic]
luederwaldti Spitz
 - (iii) 56210 (printed)
 - (iv) LECTOTIPO (printed, red label)
 - (v) Cercyeuptychia
luederwaldti (Spitz)
G. Lamas M. det. 72

On the remaining syntypes, numbered 196, 56211, 56212, 56213, 56214, 56215 and 56216, I have placed pink paralectotype labels.

Although Spitz mentioned 10 ♂♂ and 5 ♀♀ as the type-material of *luederwaldti*, I have not been able to locate the remaining specimens.

CHARAXINAE

6. *Anaea zikani* Rebel, 1920:67. Type-locality: Brazil, Minas Gerais, Passa Quatro, Fazenda dos Campos, 1600 m.
2 ♂♂ and 2 ♀♀ syntypes.

ACRAEINAE

7. *Actinote zikani* d'Almeida, 1951:4, figs. 1 (sternite), 2 (♂ genitalia), 3,5 (photo, whole insect). Type-locality: Brazil, São Paulo, Salesópolis, Boracéia.
2 ♂♂ paratypes.

LYCAENIDAE

RIODININAE

8. *Apodemia paucipuncta* Spitz, 1930:39, fig. 1a (photo, whole insect). Type-locality: Brazil, Minas Gerais, Araguari. 3 ♂♂ and 2 ♀♀ syntypes; I select as lectotype the ♂ specimen bearing the following labels:
- (i) Minas Ger. (printed)
Araguary
III.1930
Coll. R. Spitz
 - (ii) Apodemia (the first two lines
? castanea Prittw. forma handwritten with black
nova ou sp. nova ink, the third added
paucipuncta Spitz with pencil)
 - (iii) 46936
 - (iv) LECTOTIPO (printed, red label)
 - (v) Apodemia
paucipuncta Spitz
G. Lamas M. det. 72

On the remaining syntypes I have added pink paralectotype labels. Those specimens (nrs. 46931, 46933, 46934 and 46935) only bear a small square label with "Ar." handwritten with pencil on it. I assume that they form part of Spitz's type-material of *paucipuncta*, and that the inscription "Ar." means "Araguary". Spitz mentioned "über 40 Stücke von einem Fundort vor" on his original description, but I have found no more specimens of the type-series.

LYCAENINAE

9. *Thecla violescens* Spitz, 1931:48. Type-locality: Brazil, Goiás, Vianópolis. Holotype ♂.
This name is considered to be a synonym of *Symbiopsis lenitas* (Druce).
10. *Thecla seitzi* Spitz, 1931:48. Type-locality: Brazil, Minas Gerais, Araguari. 7 ♂♂ and 4 ♀♀ syntypes, from which I have selected as lectotype a ♂ specimen labelled as follows:
- (i) II.1930 (printed)
Minas Gerais
Araguary
Coll. R. Spitz
 - (ii) *Thecla* ♂ (handwritten with black ink)
seitzi Spitz
 - (iii) 53562 (printed)
 - (iv) LECTOTIPO (printed, red label)
 - (v) "Thecla"
seitzi Spitz
G. Lamas M. det. 72

The remaining syntypes have a pink paralectotype label. I have not found the other 2 ♂♂ mentioned by Spitz.

11. *Thecla taunayi* Spitz, 1931:50. Type-locality: Brazil, Minas Gerais, Araguari.
 8 ♂♂ and 3 ♀♀ syntypes, from which I select as lectotype a ♂ specimen bearing the following labels:
- (i) II.1930. Min. Ger. (printed)
 (Araguary)
 Coll. R. Spitz
 - (ii) LECTOTIPO (printed, red label)
 - (iii) "Thecla"
 taunayi Spitz
 G. Lamas M. det. 72

The remaining syntypes bear pink paralectotype labels; the other ♂ mentioned by Spitz could not be located.

12. *Thecla melzeri* Spitz, 1931:51. Type-locality: Brazil, Minas Gerais, Araguari.
 9 ♂♂ and 6 ♀♀ syntypes, from which I have selected as lectotype a ♂ specimen labelled as follows:
- (i) II.1930 Min. Ger. (printed)
 (Araguary)
 Coll. R. Spitz
 - (ii) LECTOTIPO (printed, red label)
 - (iii) "Thecla"
 melzeri Spitz
 G. Lamas M. det. 72

The remaining specimens bear pink paralectotype labels; Spitz mentioned 14 ♂♂ and 8 ♀♀, but only the specimens listed above were found.

13. *Thecla ohausi* Spitz, 1933:224, fig. 1 (photo, whole insect).
 Type-locality: Brazil, São Paulo, São Caetano.
 8 ♂♂ syntypes, from which I have selected as lectotype the specimen labelled as follows:
- (i) Fam. Lycaenidae. Typo! (handwritten with
Thecla ohausi Spitz black ink)
 especie nova
 IV-V.1931. S. Paulo Cap.
 (S. Cajetano) R. Spitz.
 - (ii) LECTOTIPO (printed, red label)
 - (iii) "Thecla"
 ohausi Spitz
 G. Lamas M. det. 72

On the remaining specimens I have placed a pink paralectotype label.

14. *Thecla pura* Draudt, 1919:764, pl. 154c (underside of right wings). Type-locality: Brazil, São Paulo.
 Holotype ♂.

15. *Thecla clarissa* Draudt, 1920:797, pl. 158d (underside of right wings). Type-locality: Brazil, São Paulo.
Holotype ♂.
16. *Thecla catharina* Draudt, 1920:788, pl. 156k (upperside, whole insect, and underside of right wings). Type-locality: Brazil, Santa Catarina.
1 ♂ paratype.

HESPERIIDAE

PYRGINAE

17. *Caicella cerradicola* Mielke, 1967a:128, figs. 3-6 (photo, whole insect), 18-20 (♂ genitalia), 21 (♀ genitalia). Type-locality: Brazil, Goiás, Leopoldo Bulhões.
Holotype ♂.
18. *Sarmientoia almeidai* Mielke, 1967b:322, figs. 24-28 (♂ genitalia), 29-31 (♀ genitalia), pls. 8-9 (photo, whole insect). Type-locality: Brazil, Mato Grosso, km 1221 Estrada de Ferro Noroeste Brazil (approx. 8 km from Bodoquena).
3 ♂♂ and 1 ♀ paratypes.
19. *Sarmientoia browni* Mielke, 1967b:323, figs. 32-36 (♂ genitalia), 37 (♀ genitalia), pls. 10-11 (photo, whole insect). Type-locality: Brazil, Brasília (DF), Sobradinho.
13 ♂♂ and 3 ♀♀ paratypes. The ♀ paratype nr. 57129, listed in the original description as preserved at the Museu de Zoologia da USP, is deposited in Mielke's private collection.
20. *Ouleus fridericus candangus* Mielke, 1968:5, figs. 3-4 (photo, whole insect). Type-locality: Brazil, Brasília (DF), Jardim Zoológico.
1 ♂ paratype and 1 paratype without abdomen.
21. *Zopyrion reticulata* Hayward, 1942:172, fig. 2 (♂ genitalia). Type-locality: Brazil, Goiás, Vianópolis.
1 ♀ paratype (labelled "Allotipo").
22. *Hydraenomia spitzii* Hayward, 1942:171, fig. 1 (♂ genitalia). Type-locality: Brazil, Mato Grosso, Murtinho.
3 ♂♂ and 4 ♀♀ paratypes.
23. *Systasea latifasciata* Spitz, 1930:39, fig. 1b (photo, whole insect). Type-locality: Brazil, São Paulo, Ipiranga.
2 ♂♂ and 5 ♀♀ syntypes, from which I have selected as lectotype a ♂ specimen labelled as follows:
- (i) Ypiranga (handwritten with black ink)
S. Paulo
Systasea
latifascia [sic] Spitz
Det. 1929
 - (ii) 57400 (printed)
 - (iii) LECTOTIPO (printed, red label)
 - (iv) Sophista latifasciata
latifasciata (Spitz)
G. Lamas M. det. 72

On the remaining syntypes a pink paralectotype label has been added. Spitz did not mention the number of specimens on which his original description was based.

HESPERIINAE

24. *Vidius spitzii* Mielke, 1967a:131, figs. 9-10 (photo, whole insect), 26-28 (♂ genitalia). Type-locality: Brazil, Goiás, Leopoldo Bulhões.
Holotype ♂.
25. *Vidius felus* Mielke, 1968:11, figs. 15-16 (photo, whole insect), 60-63 (♂ genitalia). Type-locality: Brazil, Minas Gerais, Município Felixlândia, km 222 Belo Horizonte-Brasília Highway.
1 ♂ paratype.
26. *Phanes travassosi* Hayward, 1942:175, fig. 4 (♂ genitalia). Type-locality: Brazil, São Paulo, Alto da Serra.
3 ♂♂ paratypes.

REFERENCES

BROWN, K. S. & R. F. D'ALMEIDA

1970. The Ithomiinae of Brazil (Lepidoptera: Nymphalidae). II. A new Genus and Species of Ithomiinae with Comments on the Tribe Dircennini d'Almeida. *Trans. Amer. ent. Soc.* 96: 1-17, 24 figs., 1 tab., 1 map.

D'ALMEIDA, R. F.

1941. Uma Nova Subespécie de *Iphiclides telesilaus* (Felder, 1864). *Arq. Zool., S. Paulo* 2 (12): 319-320, 2 pls.
1943. Dois Novos Mechanitididae do Brasil (Lep. Mechanitididae) *Papéis Avulsos Dep. Zool., S. Paulo* 3 (9): 165-166, 1 pl.
1951. Uma Nova Espécie de *Actinote* do Brasil (Lepidoptera, Heli-coniidae, Acraeinae). *Arq. Mus. nac., Rio de Janeiro* 42 (1): 3-5, 5 figs.
1967. Nova Espécie de Papilionidae: *Battus (Parides) castilhoi*. *Rev. bras. Ent.* 12: 89-91, 2 figs.

DRAUDT, M.

- 1919-1920. Genus *Thecla*, pp. 745-811, pls. 145-159, in A. Seitz (ed.) *Die Gross-Schmetterlinge der Erde. II. Die Exotischen Gross-Schmetterlinge. V. Die Gross-Schmetterlinge des Amerikanischen Faunengebietes*. F. Lehmann, Stuttgart.

HAYWARD, K. J.

1942. Nuevas Especies de Hesperidos Brasileños. *Papéis Avulsos Dep. Zool., São Paulo* 2 (13): 171-177, 5 figs.

MIELKE, O. H. H.

- 1967a. Lepidópteros do Planalto Central Brasileiro. IV: Notas Complementares Sobre os Hesperiididae da Região e Descrição de

Cinco Espécies Novas (Lepidoptera: HesperIIDae). *Rev. bras. Biol.* 27 (2): 125-134, 32 figs.

- 1967b. Notas Sobre o Gênero *Sarmientoia*, com Descrição de 4 Espécies Novas. *Bol. Univ. Fed. Paraná, Zool.*, 13: 311-328, 37 figs., 11 pls.
1968. Lepidoptera of the Central Brazil Plateau. II. New Genera, Species and Subspecies of HesperIIDae. *J. Lep. Soc.* 22 (1): 1-20, 101 figs.

REBEL, H.

1920. Eine Neue Nymphalidae aus Brasilien. *Z. Oester. ent. Ver.* 5: 67-68, 2 figs.

SPITZ, R.

1930. Über Neue Brasilianische Insektenformen. *Ent. Rdschau* 47: 39-43, 2 figs.
1931. Variationerscheinungen an *Euptychia ermilla* Btlr., und Einige Neue Lepidopteren aus Brasilien. *Rev. Ent.*, Rio de Janeiro 1: 42-52, 2 figs.
1933. Uma Nova Espécie Brasileira da Tribu Theclini (Lep. Lycaenidae). *Ibidem* 3 (2): 224-225, 1 fig.

STOLL, N. R. et al.

1964. *International Code of Zoological Nomenclature Adopted by the XV International Congress of Zoology*. London. XX + 176 pp. [2nd Ed.].

