PROVISIONAL CHECK-LIST OF THE BUTTERFLIES OF SAO TOME AND PRINCIPE ISLANDS

Butterflies of Principe Island

Tomasz Pyrcz

Explanation of letters and numbers:
1. endemic species,
2. endemic subspecies,
3. form of unestablished status,
4. population showing particular features comparing to the continental forms,
5. species occurring on both islands,
6. species occurring on one of the islands,
7. population of one island different than that of the other island.

<table>
<thead>
<tr>
<th>species</th>
<th>locality</th>
<th>status</th>
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</thead>
<tbody>
<tr>
<td>1. Papilio demodocus Esp.</td>
<td>1, K</td>
<td>4b</td>
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<tr>
<td>2. Papilio dardanus f. sulphureus* Brown</td>
<td>1, B</td>
<td>4a</td>
</tr>
<tr>
<td>3. Graphium leonidas sanctithomae Le Cerf</td>
<td>1, K</td>
<td>2b</td>
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<td>4. Applis euphios euphios Cr.</td>
<td>1, B</td>
<td>3b</td>
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<tr>
<td>5. Leptosia mutia mutia* Bil.</td>
<td>1, K</td>
<td>4b</td>
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<td>6. Calopsilia florella F.</td>
<td>1, K</td>
<td>4b</td>
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<td>7. Eurema hecale soifera Bil.</td>
<td>1, K</td>
<td>4a</td>
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<tr>
<td>8. Eurema xenogallus Bil.</td>
<td>1, K</td>
<td>4b</td>
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<tr>
<td>9. Mylothris rembiatf. semissima* Tbt.</td>
<td>4b</td>
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<tr>
<td>10. Mylothris semisquala* A. C.</td>
<td>4b</td>
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<tr>
<td>11. Bematises alcinoe racaj h. sp.</td>
<td>4b</td>
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<td>12. Acrea eunice Zetes Zetes</td>
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<td>24. Acrea eunice Zetes Zetes</td>
<td>4b</td>
<td></td>
</tr>
</tbody>
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Butterflies of Sao Tome Island

1. Papilio demodocus Esp. | A, B, C | 4b |
2. Papilio dardanus f. sulphureus* Brown | A | 2a |
3. Graphium leonidas sanctithomae Le Cerf | D | 2b |
4. Applis euphios euphios Cr. | A, D | 4b |
5. Applis phaia* Dhd. | A, D | 4b |
6. Leptosia mutia mutia* Bil. | B, C | 3b |
7. Leptosia mediata* Cr. | B | 4b |
8. Eurema xenogallus Bil. | B | 4b |
10. Mylothris semisquala* A. C. | A, B | 4b |
11. Mylothris semisquala* A. C. | A, B | 4b |
12. Bematises alcinoe racaj h. sp. | C | 4a |
13. Acrea eunice Zetes Zetes | D | 4b |
14. Acrea eunice Zetes Zetes | D | 4b |
15. Acrea eunice Zetes Zetes | D | 4b |
16. Acrea eunice Zetes Zetes | D | 4b |
17. Acrea eunice Zetes Zetes | D | 4b |
18. Acrea eunice Zetes Zetes | D | 4b |
19. Acrea eunice Zetes Zetes | D | 4b |
20. Acrea eunice Zetes Zetes | D | 4b |
21. Acrea eunice Zetes Zetes | D | 4b |
22. Acrea eunice Zetes Zetes | D | 4b |
23. Acrea eunice Zetes Zetes | D | 4b |
24. Acrea eunice Zetes Zetes | D | 4b |
29. Acraea vesperalis* G-S ........................................ 4a
30. Acraea pseudejina* Pierre .................................. 4a
31. Acraea aliope* Hew ............................................. 4b
32. Dardanus chrysopterus eurypterus Schreber ................. A
33. Leptotes pilosus var. praecox L .................................. 38a
34. Leptotes terrenus* Joy, & Tbl .................................. 1a
35. Ziteria krysa A .................................................. 1b
36. Cacyreus marina Stoll .......................................... A
37. Virchova antalis Hopf ............................................ 4a
38. Virchova chloris Thyn ............................................ 1a
39. Ectropis helior THEM ............................................ 4b
40. Euchrysona nymphaea Bil ........................................ 4d
41. Anthene princeps princeps Bil .................................. 4a
42. Anthene junilalus Th .............................................. 4a
43. Azanus mirza Plotz .............................................. C
44. Epameonas bellina maris Riley ................................. A
45. Chilades sanctithomas* Sh ...................................... 1a
46. Phalaena eurytis, Drd ............................................ B
47. Cynthere sp.* .................................................... 7
48. Junonia oceane oceana L ........................................ A, B, C, D
49. Junonia unipuncta Plotz .......................................... 4a
50. Vanessa cardui* L ................................................. A
51. Sylia boisdavalli insulans Joy, & Tbl ......................... A
52. Nepitis ephippini Joy, & Tbl ..................................... A
53. Hyposmola misippus B ........................................... A, B, C
54. Hyposmola dubius dubius Pal .................................. B, C
55. Hyposmola salmae thomansi Arp ............................... A, B, C
56. Charaxes candoi thomasi Stg .................................. A, B, D
57. Charaxes decaffalda* Joy, & Tbl .............................. C
58. Charaxes antiqua* Joy, & Tbl .................................. A
59. Charaxes odysseus Stg ........................................... A
60. Charaxes monteiri Stg ........................................... B, D, E
61. Mylothris poppei asphodelus* Bil ................................ 4a
62. Mylothiris hercules* Hew ...................................... A
63. Zizina ananassa Mah ............................................. A
64. Junonia pelargia F .............................................. A
65. Junonia pelargia F .............................................. A

Comments
Principe

21 - Mr JCAU mentions an unconfirmed record of *P. dardanus* sulphureus from Principe.

Principe specimens of *L. nipata* are smaller, the greenish pattern on the underside is less marked.

TALBOT'S Preliminary revision of the genus (1942) mentions one male of the form arctica and one female of the form sumulata caught on Principia on 23.11.1932.

The females of Principe population of *A. joduta* are polymorphic (contrary to Sao Tome population). I registered at least 7 individual forms in Terreiro Velho (Principe).

21' - These two species are listed from Principe in a Portuguese paper, whose author was unable to identify. It is a rather doubtful source. It mentions also *Acraea eestoria*, obviously confused with *Acraea joduta* form.
localizations. L.L. Viejo (1980) in his paper based on the collections didn't find any specimen of *D. piceicolis* from Equatorial Guinea. I would rather consider *D. piceicolis* as an endemic species from Sao Tome. 34°, 36°, 77°, 18° - CONHAMAN (1975), on the maps showing the distribution of *Bicyclus* species indicate these four species as existing on Sao Tome, with no further references. It is most surprising to me as during 4 months of intensive trap collecting on Sao Tome and Principe islands the only *Bicyclus* I found was *B. vulgaris* on Principe. 15° - CONHAMAN (1975) gives the distribution of *B. dorothoe concolor* as 'Fernando Poo and Sao Tome and possibly Principe'.

23° - Mr J. Pirii confirms the validity of this subspecies described by D'AMBRIA (1980).

24° - I found no polymorphic females in the Sao Tome population of *A. jodutta*.

29°, 26° - These two species are listed in a Portuguese paper whose author I was unable to identify. It is the same source as for the basal from Principe.


28°, 29°, 30°, 31° - These four species are mentioned by Piriu (1981) from Sao Tome.

- *A. penapollis telea*, 3 ex. in the BMNH Rothschild coll.
- *A. vespenius*, BMNH Bayns collection.
- *A. preudegra*, 2 specimens Rothschild collection.
- *A. alpine*, 2 males in the BMNH Rothschild collection.

32° - An interesting local form similar to *F. chryseoppe*. Characteristic feature of specimens caught are the white markings along the veins in the medial area of the hind wings.

33° - In D'AMBRIA (1980).

30° - There is a specimen described as *V. chalybeata* labelled 'Freetown (Sierra Leone)' in the MNHN in Paris, possibly a misidentified *V. gaeathery Swainson*.


34° - I observed this species in the secondary forest along the Rio Bombo (near Bombaim) in Jan. 1989.

35° - There is a very fine male of this species in the collection of the MNHN in Paris, labelled 'Sao Tome, edge of forest (east), 1001-31-01-1928, T.A. BAYNS'.

37° - Mr J.G. CANA says: there are about three specimens of *Cyresthis* species belonging to the "sangeri" group caught on Sao Tome, but he was unable to find them.

30° - There is one specimen of this species caught on Sao Tome stored in the Pol Station collection. It wouldn't be surprising to find this strong migrant butterfly on Principe island as well.

37° - In HENNING (1988) I observed this butterfly twice (17.11.1989). I do not understand on what basis Mr S.F. HENNING (1988) in the part dealing with this species affirms it flies throughout the year. As far as I know, the only specimen I found is the holotype, but maybe I'm wrong?

58° - In HENNING (1988), Observed in Bombay in January by Mr RATO CARDEZ. Mr J.G. CANA caught this species in the surroundings of Lagos Amadeu.