

### III. LEPIDOPTERA.

By CAPTAIN W. H. EVANS, R.E.

The collection of Lepidoptera obtained on the Abor Expedition is not a large one, a fact which is doubtless explained by the season during which the military operations were undertaken. In addition to the specimens found by Mr. Kemp, a collection made by Captain H. W. Price of the Supply and Transport Corps and presented by him to the Indian Museum, has been examined while the records of other specimens collected by Major E. H. Sweet of the 2nd Gurkha Rifles are included. Permission to incorporate identifications of the species comprised in the latter collection was obtained through the courtesy of Major E. H. Sweet and the Secretary of the Bombay Natural History Society.

In all seventy-four species have been examined. The order and nomenclature followed in the list is that adopted in my "List of Indian Butterflies" published in the *Journal of the Bombay Natural History Society*, March 31st, 1912.

1. *Danaïa aglea melanoides*, M.  
1 ♂ Sadiya : Nov. (S.W.K.); 1 ♀ Kobo : Dec. (S.W.K.).  
1 ♂ "Abor Expedition" (E.H.S.).
2. *Danaïa melaneus*, Cr.  
1 ♀ Between Kobo and Janakmukh (H.W.P.).
3. *Danaïa plexippus*, L.  
1 ♂ "Abor Expedition" (E.H.S.).
4. *Euploea diocletianus*, Fab.  
1 ♂ Between Kobo and Janakmukh (H.W.P.).
5. *Ypthima baldus*, Fab.  
1 ♂ "Abor Expedition" (E.H.S.).
6. *Ypthima affectata*, El. and Ed.  
1 ♂ Rotung : March, dry season form (S.W.K.).

Above the specimen is uniform dark brown on the forewing with no male brand : the hindwing has all the ocelli showing and some white powdering on the margin, especially towards the anal angle. Below the ground colour is very dark brown, loosely powdered pale ochreous : the ocelli on the hindwing are minute : there are no distinct bands, but the powdering is darker on the disc of the hindwing, showing up as a dull ochreous irregular patch. The underside resembles in general appearance the underside of *Y philomela indecora*, M., from the Western Himalayas.

7. *Lethe chandica*, M.  
1 ♂ Rotung : March (S.W.K.).

8. *Mycalesis perseoides khasia*, Evans.  
1 ♂ "Abor Expedition," dry season form (*E.H.S.*).
9. *Mycalesis visala*, M.  
1 ♂ "Abor Expedition," dry season form (*E.H.S.*).
10. *Mycalesis meda*, Fab.  
1 ♂, 1 ♀ "Abor Expedition," dry season forms (*E.H.S.*).
11. *Melanitis leda ismene*, Cr.  
3 ♂, 2 ♀ "Abor Expedition," dry season forms (*E.H.S.*).
12. *Melanitis phedima bela*, M.  
1 ♂ "Abor Expedition," dry season form (*E.H.S.*).
13. *Hestina nama*, Db.  
1 ♂ "Abor Expedition" (*E.H.S.*).
14. *Stibochiona nicea*, Gray.  
1 ♂ Rotung : March (*S.W.K.*) ; 1 ♀ between Kobo and Janakmukh (*H.W.P.*).
15. *Liminitis procris*, Cr.  
1 ♂, 1 ♀ Kobo : Dec. (*S.W.K.*).
16. *Pantoporia zeroca*, M.  
1 ♂ Sadiya : Nov. (*S.W.K.*).
17. *Neptis hylas varmona*, M.  
1 ♂ Dibrugarh : Nov. (*S.W.K.*).
18. *Neptis soma*, M.  
2 ♂ Sadiya and Kobo : Nov. (*S.K.W.*).
19. *Neptis hordonia*, Stoll.  
1 ♂ Kobo : Dec. (*S.W.K.*).
20. *Cyrestis thyodamas*, Bdl.  
2 ♂ Sadiya : Nov. (*S.W.K.*).
21. *Junonia iphita*, Cr.  
1 ♂ Sadiya : Nov. (*S.W.K.*).
22. *Vanessa indica*, Herbst.  
1 ♂ Kobo : Dec. (*S.W.K.*).
23. *Symbrenthia hippoclus khasiana*, M.  
1 ♂ Sadiya : Nov. (*S.W.K.*).
24. *Rhinopalpa polynice birmana*, Fruh.  
4 ♂ Kobo : Nov. and Dec. (*S.W.K.*) ; and between Kobo and Janakmukh (*H.W.P.*).

This insect is rare in Assam generally but seems common in the Abor country.

25. *Hypolimnas elina*, L.  
1 ♂ Between Kobo and Janakmukh (*H.W.P.*).
26. *Kallima inachus*, Bdl.  
1 ♂ Kobo ; Dec. (*S.W.K.*) ; 2 ♂ between Kobo and Janakmukh (*H.W.P.*).

27. *Cynthia erota*, Fab.  
1 ♂ Between Kobo and Janakmukh (*H.W.P.*).
28. *Cirrhochroa aoris*, Db.  
1 ♂ " Abor Expedition " (*E.H.S.*); 1 ♂ Sadiya : Nov. (*S.W.K.*); 1 ♀ Rotung : Dec. (*S.W.K.*).
29. *Argynnis hyperbius*, Joh.  
1 ♂ Kobo : Dec. (*S.W.K.*); 1 ♀ Sadiya : Nov. (*S.W.K.*).
30. *Pseudergolis wedah*, Koll.  
3 ♂ Kobo : Nov. and Dec. and Sadiya : Nov. (*S.W.K.*).
31. *Cethosia cyane*, Dr.  
2 ♂ , 1 ♀ Kobo : Dec. (*S.W.K.*).
32. *Cethosia biblis*, Dr.  
1 ♀ Rotung : Dec. (*S.W.K.*).
33. *Zemeros flegyas*, Cr.  
2 ♂ " Abor Expedition " (*E.H.S.*); 1 ♂ Sadiya : Nov. and 2 ♂ Rotung : Dec. and March (*S.W.K.*).
- The specimens have the white apical spots well developed, showing a close resemblance to the race *confucius*, Fruh., from Southern Burma.
34. *Papilio philothenus polycuctes*, Db.  
1 ♂ Rotung to Renging (*S.W.K.*).
35. *Papilio helenus*, L.  
1 ♂ " Abor Expedition " (*E.H.S.*); 2 ♀ between Kobo and Janakmukh (*H.W.P.*).
36. *Papilio polytes romulus*, Cr.  
1 ♂ " Abor Expedition " (*E.H.S.*).
37. *Papilio memnon agenor*, L.  
1 ♀ form *butlerianus*, Roth., between Kobo and Janakmukh (*H.W.P.*).
38. *Papilio protenor euprotenor*, Fruh.  
1 ♀ Sadiya : Nov. (*S.W.K.*).
39. *Papilio paris*, L.  
1 ♀ Between Kobo and Janakmukh (*H.W.P.*).
40. *Leptocircus curius*, Fab.  
1 ♀ Sadiya : Nov. (*S.W.K.*).
41. *Delias aglaia*, L.  
2 ♂ Kobo : Dec. (*S.W.K.*).
42. *Pieris canidia*, Spaw.  
1 ♂ Kobo : Dec. (*S.W.K.*).
43. *A. pias lalage*, Db.  
1 ♂ " Abor Expedition " (*E.H.S.*); 1 ♂ Sadiya : Nov., 3 ♂ Rotung : Dec. and 1 ♂ Kobo : Dec. (*S.W.K.*).
44. *Dercas verhueli doubledayi*, M.  
1 ♂ Rotung : March (*S.W.K.*).

45. *Catopsilia florella*, Fab.  
1 ♂ Sadiya : Nov. (S.W.K.).
46. *Colias fieldii*, Mén.  
2 ♀ near Kalek, 2,500 ft., March (S.W.K.).
- The specimens from the locality should be true *fieldii*, but are small and dull resembling the western *edusina*, But., more than the Chinese *fieldii*, Mén.
47. *Terias hecabe*, L.  
3 ♂ Kobo : Dec. and 1 ♀ Sadiya : Nov., dry season forms (S.W.K.).
48. *Terias silhetana*, Wall.  
1 ♀ Kobo : Dec., dry season form (S.W.K.).
49. *Hebomoia glaucippe*, L.  
1 ♀ Between Kobo and Janakmukh (H.W.P.).
50. *Pareronia avatar*, M.  
1 ♂ " Abor Expedition " (E.H.S.).
51. *Neopithecops zalmora*, But.  
2 ♂ Rotung : Dec. and March (S.W.K.).
52. *Cyaniris transpecta*, M.  
1 ♂ Sadiya : Nov. and 2 ♂, 1 ♀ Kobo : Dec. (S.W.K.).
53. *Cyaniris dilecta*, M.  
1 ♂ Rotung : Dec. (S.W.K.).
54. *Cyaniris limbata placida*, de N.  
2 ♂ Kobo : Dec., dry season forms (S.W.K.).
55. *Catochrysops strabo*, Fab.  
1 ♂ Kobo : Dec. (S.W.K.).
56. *Castalius rosimon*, Fab.  
2 ♂ Sadiya : Nov. (S.W.K.); 1 ♀ " Abor Expedition " (E.H.S.).
57. *Castalius elna*, Hew.  
1 ♂ Sadiya : Nov. and 2 ♂, 2 ♀ Kobo : Dec. (S.W.K.).
58. *Lycaenesthes emolus*, God.  
1 ♂ Sadiya : Nov. (S.W.K.).
59. *Nacaduba bhutea*, de N.  
1 ♂ Kobo : Dec. (S.W.K.).
60. *Nacaduba nora*, Fd.  
1 ♂ Rotung : Dec. (S.W.K.).
61. *Nacaduba noreia*, Fd.  
1 ♂ Kobo : Dec. (S.W.K.).
62. *Lampides bochus*, Cr.  
1 ♀ Sadiya : Nov. (S.W.K.).
63. *Lampides elpis*, God.  
1 ♂ Kobo : Dec., typical and 1 ♂ Rotung : March (S.W.K.).

The specimen from Rotung has the border above reduced to a fine line, as in *pura*, M., and below all the markings very dull.

64. *Polyommatus boeticus*, L.  
2 ♂ Rotung : March (S.W.K.).
65. *Poritia hewitsoni tavoyana*, Doh.  
2 ♂, 2 ♀ Between Kobo and Janakmukh (H.W.P.).

The females have the lower part of the forewing very pale blue, while the orange spot, prominent in true *hewitsoni*, is only faintly indicated in one specimen and absent in the other.

66. *Ilerda epicles*, God.  
3 ♂ Sadiya : Nov., 2 ♂ Kobo : Dec. and 1 ♂ Rotung : Dec. (S.W.K.).
67. *Arhopala silhetensis*, Hew.  
1 ♀ Dibrugarh : Nov. (S.W.K.).
68. *Rapala schistacea*, M.  
1 ♂ Kobo : Dec. (S.W.K.).
69. *Hypolycaena erylus*, God.  
1 ♂ Kobo : Dec. (S.W.K.).
70. *Cheritra freja*, Fab.  
1 ♀ Kobo : Dec., dry season form (S.W.K.).
71. *Zeltus etolus*, Fab.  
3 ♂ Kobo : Dec. and 3 ♂ Sadiya : Dec. (S.W.K.).
72. *Loxura atymnus*, Cr.  
1 ♂ Dibrugarh : Nov. and 1 ♂ Sadiya : Nov. (S.W.K.).
73. *Ampittia maro*, Fab.  
1 ♂ " Abor Expedition " (E.H.S.).
74. *Rhopalocampta benjaminii*, Guér.  
1 ♂ Rotung : March (S.W.K.).