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# NOTES ON BUTTERFLIES FROM NEPAL

BY

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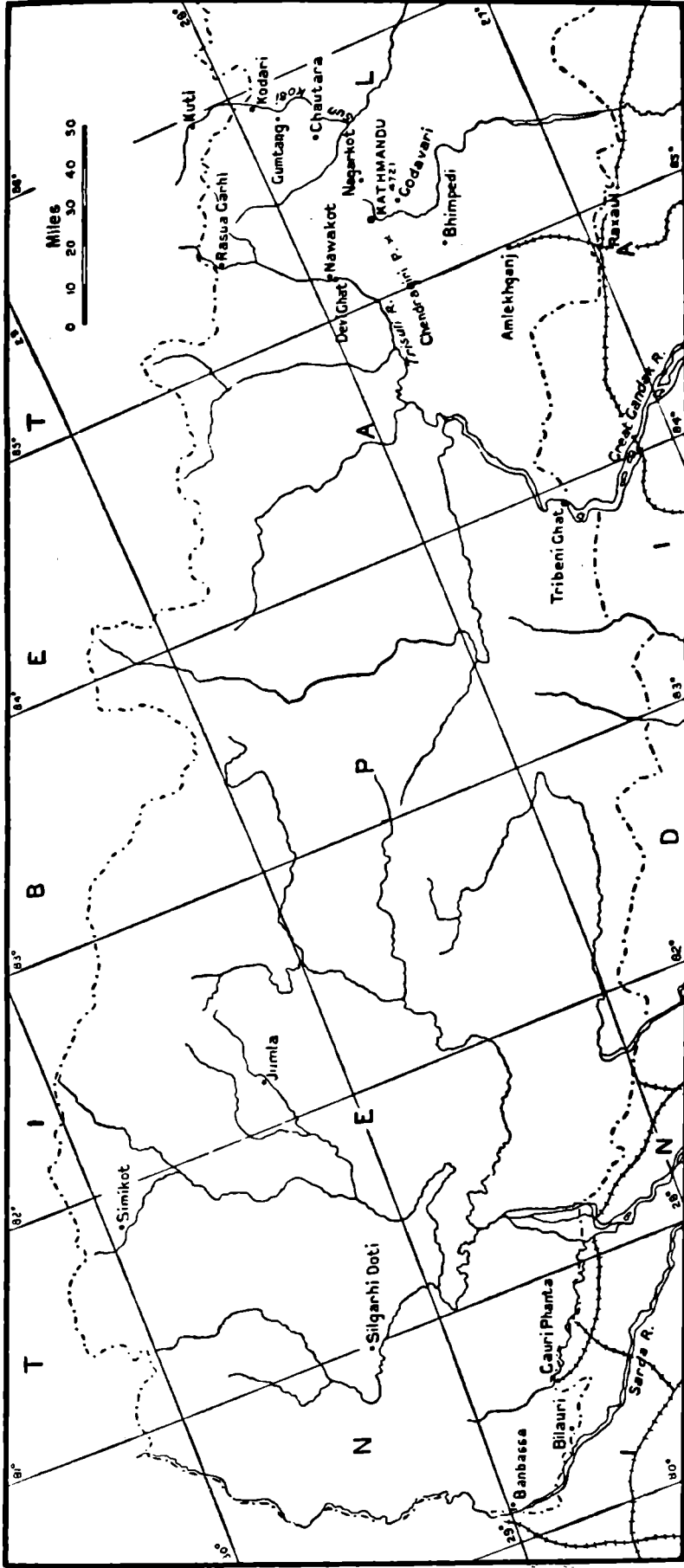
## PART I

*(With a map and two plates)*

Nepal lies for five hundred miles along the southern face of the Himalayas, extending south of the foothills for a few miles into the plains. This extension is the Terai. In the localities given for species, and more especially for sub-species, in Evans's 'Identification of Indian Butterflies' we constantly come across 'Kashmir to Kumaon' for a western form, and 'Sikkim to Karens' or 'Dawnas' for the eastern. This is mainly a question of rainfall which necessarily affects vegetation and all forms of life. The annual rainfall of Sikkim in the east is about double that of parts of Kumaon in the west. Thus Nepal constitutes a strip of some five hundred miles dividing the western from the eastern forms, and, I hope, from this collection to find out where these changes occur. The differences of local races are in many cases very small, and it is often difficult to determine to which form the specimens in the intermediate area belong. As the butterflies of Nepal are little known, the result has been an extension of habitat of many forms from Kumaon eastwards and from Sikkim westwards. I have indicated this by an (E) or (W) as the case may be.

The saucer-shaped Nepal Valley is about fifteen to twenty miles in diameter. The general elevation above sea-level is about 4,300 ft. The rim of the saucer rises to 9,000 ft. The rivers outside this curious circular elevation flow at about 1,500 ft. The floor of the valley is densely cultivated with rice, maize and in winter barley and wheat. Potatoes and other vegetable crops are also grown. The valley is thickly populated. In the valley are some woods and wooded hillocks. The capital, Katmandu, several other towns and the British Embassy are also in the valley. The surrounding hills are covered in thick forest with areas of short turf and bushes. On these hills are two places, Kakni and Nagarkot, each about 6,000 ft. above sea-level, where the Prime Minister maintains guest houses which he kindly allowed the British Minister to occupy. The climate here was fresher than the damp heat of the valley, especially in late summer. In the south-east of the valley is a place called Godavari where H. H. The Prime Minister has a palace. Here the woods and streams were a relief from the flat valley although the altitude was very little higher. Several interesting species were found here among the gardens and rivulets.

This is the area to which the members of the British Legation were confined when this collection was made. The 'Valley' in the following pages refers to this area. There was one exception to this restriction of travel: the Minister was allowed to go to Devighat on the Trisuli River, a day's march from Katmandu outside the valley to the north, where there was mahseer fishing. The altitude was 1,500 ft. The journey to and from Raxaul, the railway station in India, also gave



NEPAL

(Showing the principal Localities where Butterflies were collected.)



opportunities for collecting at lower elevations. Places on this road were: Chandragiri (on the rim of the saucer 7,700 ft.), Chitlang, Bhimpedi, and Amlekganj.

In addition to the above the British Minister was allowed to shoot in the Terai, the belt of land in the plains below 1,000 ft. in altitude running up to the foot of the mountains. This was extensively cultivated, but also contained much natural forest with tall grass especially in the stream beds, the haunt of wild elephants, rhinoceros, buffaloes and tigers besides deer and many other animals. The Terai was only visited in winter. These are the localities in which I was able to collect personally during the three years 1935 to 1938 in which I was in Nepal.

Besides these places in which I collected myself, I sent collectors to other parts of the country. For this purpose I trained two Nepalese boys, not only in collecting butterflies but also birds, plants and small mammals. In the summers of 1935 and 1937 these collectors visited the country north of Katmandu while in 1936 they were sent to western Nepal and visited the Tibetan frontier. They did not bring anything from the high Tibetan Plateau as the Tibetans would not let them collect there. A special purpose of sending them here was to obtain specimens of the Mountain Quail (*Ophrysia superciliosa*), a bird which had not been seen since 1876. They were not successful in this. I found that the collectors were unreliable in the use of an aneroid therefore no altitudes are given for specimens collected by them.

There are a few specimens in the British Museum labelled 'Nepal' but no indication as to who collected them. However, in the preface to Moore's 'Lepidoptera Indica', the author acknowledges specimens collected by Maj-Gen. G. Ramsay when he was Resident in Nepal from 1852 to 1867. Ramsay's notes on his collections were recorded in the *Proc. Zool. Soc.* in 1874, '77, '78 and '83. A large collection of butterflies was made by Major W. G. H. Gough; his list was published in Vol. 38 of the *Journal*. He records 162 species and sub-species, almost all of which were collected in the valley and on the surrounding hills. As he did not emphasize the extension of habitat I have included those in Gough's list when indicating an extension (E) and (W). A few specimens taken before 1934 are from the collection of Col. W. Smith who was Legation Surgeon.

All species have a reference number to Brigadier Evans's 'Identification of Indian Butterflies', 2nd. Revised Edition. Besides this a reference has also been given to Talbot's 'Fauna of British India' which was published after Evans's 'Identification'. This only deals with Papilionidae, Pieridae, (published in 1939), and Danaidae, Satyridae, Amathusiidae and Acraeidae (published in 1947). In the Hesperidae a further reference is given to Evans's 'Catalogue of the Hesperidae from Europe, Asia and Australia in the British Museum' 1949. Brigadier Evans has kindly looked over the list of Hesperidae and checked the names.

## PAPILIONIDÆ

### 1. *Troides helena cerberus* Fd.

Talbot F.B.I. 1c; Evans 1. 1.

Much less common than *Aeaenus*.

Katmandu, June to September.

2. **Troides aeacus aeacus** Fd.

Talbot F.B.I. 2; Evans 1.2.

Common in the Valley in May and June; particularly plentiful at Godavari in June.

Gui-ye, North Central Nepal 20-5-37.

3. **Polydorus aristolochiae aristolochiae** Fab.

Talbot F.B.I. 12a; Evans 2.10.

Katmandu, 4,300 ft. March and May.

4. **Polydorus latreillei latreillei** Donovan.

Talbot F.B.I. 14a; Evans 2.12.

Valley up to 5,500 ft. May to July.

5. **Polydorus philoxenus philoxenus** Gray.

Talbot F.B.I. 17a; Evans 2.15.

Valley, April to August.

6. **Polydorus dasarada ravana** M.

Talbot F.B.I. 18a; Evans 2.16.

Nepal Valley, May.

A few brought in from the north, in May 1935 and May 1937.

7. **Polydorus plutonius pembertoni** M.

Talbot F.B.I. 20a; Evans 2.18.

Three specimens: Valley, May 1937; Gui-ye, North Central Nepal 20-5-37; Nangang, West Nepal, 26-5-36.

8. **Chilasa agestor agestor** Gray.

Talbot F.B.I. 21a; Evans 3.1.

Rare—only two specimens; Katmandu 30-3-34 and 1-5-35.

9. **Chilasa epycides epycides** Hew.

Talbot F.B.I. 22a; Evans 3.2.

Valley, only in March and April.

10. **Chilasa clytia dissimilis** L.

Talbot F.B.I. 25a; Evans 3.5.

Morang, East Terai, 24-3-36.

11. **Papilio memnon agenor** L.

Talbot F.B.I. 27; Evans 4.2.

Valley, March to October, frequently at damp sand: Katmandu ♀ *agenor* form, Oct. 1933; Katmandu ♀ *alcanor* form, Oct. 1933; Devighat 1,500 ft. 25-10-35; Nangang, North Nepal 26-5-35; Kashiganj 7-8-35.

12. **Papilio bootes janaka** M.

Talbot F.B.I. 29.a; Evans 4.4.

Valley, up to 5,000 ft., April to June; Kodari, North Nepal, 21-5-37; Nangang 26-5-35.

13. **Papilio rhetenor rhetenor** Wd.

Talbot F.B.I. 30a; Evans 4.5.

Valley and surrounding hills to 7,000 ft. March to August; Nagarkot, 7,000 ft. 7-8-36. ♀

14. **Papilio protenor euprotenor** Fruh.

Talbot F.B.I. 31b; Evans 4.6.

Valley and surrounding hills to 7,000 ft. March to September.

Larvae found on *Zanthoxylum alatum* Roxb. (Rutaceae) at Nagarkot, 6,000 ft. Pupated in autumn and emerged at Katmandu on dates between 15th February and 11th March.A pair were taken *in copula* at Sunderijal in the Valley on 4-7-36.15. **Papilio polyctor ganesa** Db.

Talbot F.B.I. 35b; Evans A. 4.9.

Common on the hills above the Valley which rise to 7,000 ft.

The larvae were plentiful on *Zanthoxylum alatum* (Rutaceae) at Nagarkot between 5,000 and 7,000 ft.; they were brought down to Katmandu (4,300 ft.) where pupations of late autumn mostly emerged in April. There were three early emergences at the beginning of March. A few emerged in August and a single one which pupated on the 25th of August emerged the same year on the 5th of October.

Many pupae were destroyed by parasites.

16. **Papilio paris paris** L.

Talbot F.B.I. 36b; Evans. 4.10.

Valley 3,000 to 5,000 ft. April to September.

17. **Papilio arcturus arcturus** Wd.

Talbot F.B.I. 37b; Evans. 4.11.

Sundarijal, Valley 5,500 ft. 3-8-36; hill above Kakni, 7,500 ft. 15-9-37.

Not common. [Larvae in Kashmir were found on *Skimmia* (Rutaceae).]18. **Papilio helenus helenus** L.

Talbot F.B.I. 45a; Evans 4.19.

Valley, March to October. One emerged at Katmandu on 23-3-38.

19. **Papilio chaon chaon** Wd.

Talbot F.B.I. 47a; Evans 4.21.

One specimen at Bhimpedi, about 1,000 ft. below the Valley.

20. **Papilio polytes romulus** Cr.

Talbot F.B.I. 51 a; Evans 4.25.

Common in the Valley from March to November; particularly plentiful in early April. Larvae feed on orange trees. Most females are of form *stichius* Hub. mimicking *P. aristolochiae*, but there are several of form *romulus* Cram. mimicking *P. hector*, a butterfly which was never found in the Valley.

21. **Papilio demoleus demoleus** L.

Talbot F.B.I. 54a ; Evans 4.27.

The commonest *Papilio* in the Valley where the larvae do appreciable damage to orange trees. This butterfly was seen every month of the year except January and February.

Autumn pupations emerged at the end of March. Pupae suffered very much from parasites.

22. **Papilio machaon emihippocrates** Verity.

Talbot F.B.I. 56e ; Evans 4.29.

A few were taken in the Valley and on the surrounding hills (4,300 to 7,000 ft.) Some at Devighat 1,500 ft.

Four larvae were found on fennel [*Foeniculum*, (Umbelliferae)], in the Legation garden at Katmandu. All these pupated on 15-11-36 and two emerged on 8-4-37 and one on 1-5-37. Several brought down from the Tibetan frontier were the short-tailed *ladakensis* M. (Kuti 6-6-37, Balwa 12-6-37 and 25-9-37.)

23. **Graphium euros sikkimica** Heron. (W)

Talbot F.B.I. 58b ; Evans 5.1.

Valley, March to early May, not common.

24. **Graphium nomius nomius** Esp.

Talbot F.B.I. 61a ; Evans 5.4.

Common on damp sand at Amiekganj below the Valley, 1,000 ft. 24-4-38. This is an extension of habitat westwards in the Himalayas.

25. **Graphium cloanthus cloanthus** Wd.

Talbot F.B.I. 64 ; Evans 6.1.

Common in the Valley. In company with *Teinopalpus imperialis* flies round isolated hilltops.

26. **Graphium sarpedon sarpedon** L.

Talbot F.B.I. 65b ; Evans 6.2.

Common in the Valley, March to October. Females were seen depositing eggs on 18-6-37 and 14-8-37. These last eggs hatched out on 19-8-37 and the butterflies emerged on 13-10-37, 6-3-38 and 9-3-38. In these specimens the green bar across the wings is of a light greenish yellow and lighter than in wild caught specimens. It would appear that the female never deposits more than one egg on a bush. It seems necessary for the female to wait and make a short flight between depositing each egg. I was able to get several eggs by pulling up the bush on which an egg had been laid and running down the pathway through the forest, when the butterfly would deposit another egg on the same bush in my hand and in this way I obtained several eggs.

27. **Graphium doson axion** Fd.

Talbot F.B.I. 66 c ; Evans 6.3.

One specimen in the eastern Terai on 26-3-36 at about 1,000 ft.

28. **Graphium bathycles chiron** Wallace.

Talbot F.B.I. 69 ; Evans 6.6.

Valley, March and April. Rare.



29. **Graphium agammemnon agammemnon** L.

Talbot F.B.I. 71a; Evans 6.8.

Valley, March to September. Larvae were found on *Magnolia* and the butterflies emerged between 23rd and 28th September 1935.

In Central India I found this butterfly depositing eggs on *Michelia champaca* (Magnoliaceae).

30. **Graphium gyas gyas** Wd. (W)

Talbot F.B.I. 75a; Evans 8.1.

Only two worn specimens taken at Godavari in the Valley on 29-4-36 and 3-10-37.

31. **Teinopalpus imperialis imperialis** Hope. (W)

Talbot F.B.I. 79a; Evans 9.

Locally fairly plentiful on Mahadeo Pokri Hill 7,400 ft. at Nagarkot above the Valley. Accounts of the habits of this splendid insect state that it flies round the tops of high trees. The hill of Mahadeo Pokri had been cleared of trees for survey purposes and in their places bushes up to ten feet high had grown. This had the effect of a high tree top. The male butterflies flew fast round this hill and descended to rest on the low bushes. Other butterflies flying with it were *Graphium cloanthus* and *Hestina nama*. Thinking that *Teinopalpus* did not occur west of Sikkim I at first thought this butterfly, when seen on the wing, was a torn specimen of *G. cloanthus*, when to my surprise it settled with great suddenness on a leaf in front of me and I was able to recognise and photograph it.

An account with photographs of this butterfly in Nepal was published in the *Journal of the Bengal Natural History Society*, Vol. XIV, No. 4, pp. 123 and 124.

At first these butterflies were very wild and flew away at my approach, flying round for a few minutes before returning to nearly the same spot. After being disturbed a few times they seemed to get tired of this and eventually I was even able to touch them without frightening them away.

32. **Parnassius hardwickei hardwickei** Gray.

Talbot F.B.I. 86a; Evans 13.4.

Many brought in by collectors, May to September.

## PIERIDAE

33. **Leptosia nina nina** Fab.

Talbot F.B.I. 95; Evans 1.

Valley, 14-8-37. Rare.

Common in the western Terai, December and January.

34. **Pieris napi montana** Verity.

Talbot F.B.I. 137b; Evans 4.7.

A few specimens in June 1937 from Kuti and Chosang on the Tibetan side of the Nepal-Tibet border in the west.

35. **Pieris canidia indica** Evans.

Talbot F.B.I. 141b; Evans 4.10.

Common in the Valley and brought in from other parts of Nepal; also from the Terai in winter.

Pairs were taken *in copulae* on 16-3-35, 15-10-35, 1-11-37, and 1-12-27. Eggs were laid on garden stock on 1-3-35; these hatched on 11-3-35 but the larvae seemed unable to eat the thick leaves and all died.

The full grown larvae are green with fine white hairs on the tip of which are minute drops of a colourless liquid.

36. **Pieris brassicae nepalensis** Db.

Talbot F.B.I. 142; Evans 4.11.

Common in the Valley and throughout the country to which collectors were sent.

37. **Aporia agathon agathon** Gray.

Talbot F.B.I. 102d; Evans 5.5.

Very plentiful on the hills surrounding the Valley and the woods at Godavari and other places in the Valley. On 1-6-35 a female was seen depositing eggs on Holly Berberis (*B. asiatica*, Berberidaceae) in deep forest. No eggs were found on Berberis in open sunlight. Eggs were laid in batches. Eighty-eight were counted in one batch and most batches were about this size. Larvae hatched between the end of June and up to the 9th of July. The young larvae eat the centre of the leaves.

Specimens of *A. agathon caphusa* M. were brought in from western Nepal in May and June 1936.

38. **Delias agostina agostina** Hewitson.

Talbot F.B.I. 113; Evans 6.1.

One specimen at Katmandu, 4,500 ft. 15-4-34.

39. **Delias eucharis** Drury.

Talbot F.B.I. 114; Evans 6.3.

Only in the Terai.

40. **Delias hyparete indica** Wallace.

Talbot F.B.I. 115b; Evans 6.4.

One in the Valley and two brought in by collectors in July and November from the country north of the Valley.

41. **Delias belladonna horsfieldi** Gray.

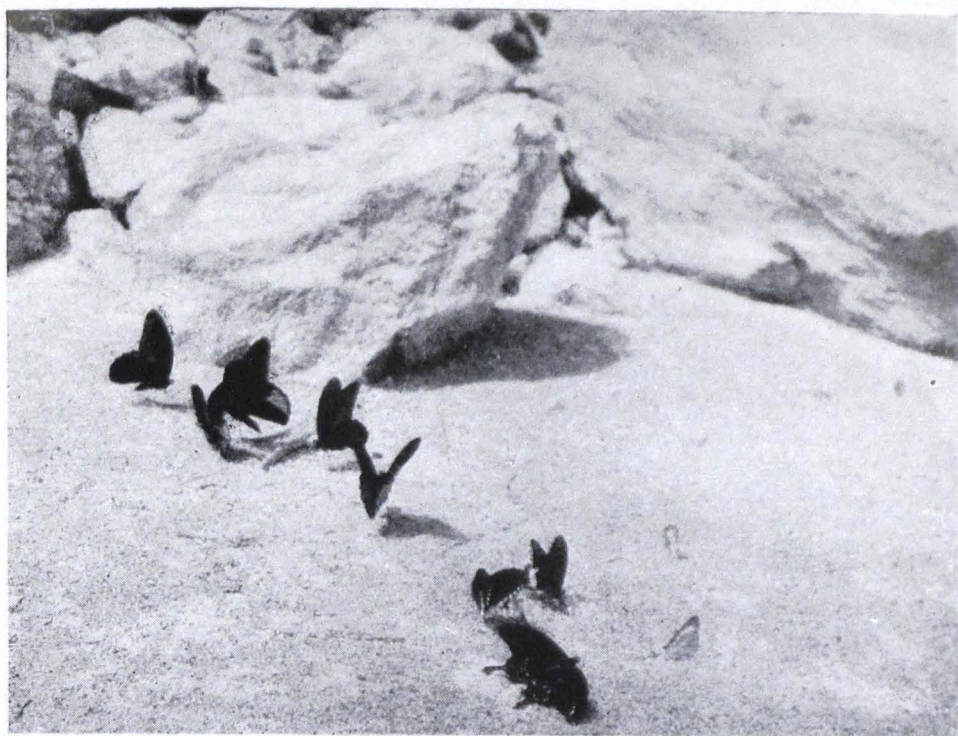
Talbot F.B.I. 109a; Evans 6.7.

Very plentiful in April and May in the Valley where it is found in great numbers at moisture. An autumn brood appears in August to November, but is not so plentiful.

A pupa was found fastened to the upper side of Holly Berberis (*Berberis asiatica*). This emerged on 17-8-35.

42. **Delias sanaca sanaca** M.

Talbot F.B.I. 107; Evans 6.9.



Papilios on wet sand—*Papilio memnon agenor*, *polytes* and *paris* (or *ganesa* ?) can be recognized—also *Cepora nadina*.



Photos

Author

*Aporia agathon* at Godavari, Nepal Valley, 7-5-1936.



Photo

Author

*Cyrestis thyodamas* at Godavari, Nepal Valley, 8-5-1937.

Two specimens from West Nepal (Pomo 15-6-36, Nilkarda 13-6-36) are *sanaca sanaca*. One from Barai, West Nepal 14-6-36 approaches *sanaca confusa*. *D. sanaca oreas* is from North Nepal: Trisuli 1-6-35; Karai 19-5-35 and Kodari 1-6-37.

43. ***Delias berinda boyleae* But.**

Talbot F.B.I. 108a; Evans, 6.10.

Common at Katmandu and Godaveri up to 5,000 ft. in May and a few in June. One at Nagarkot 6,000 ft. 7-6-37 and one at Kodari, North Nepal, 1-6-37.

44. ***Delias descombesi descombesi* Boisduval.**

Talbot F.B.I. 112; Evans 6.11.

Two specimens: Nagarkot 7,000 ft. 12-7-35; Katmandu 4,500 ft. 29-4-35.

45. ***Delias aglaia aglaia* L.**

Talbot F.B.I. 110a; Evans 6.12.

Devighat 1,500 ft. 27-10-35; Kajuri 24-11-35; Galchi 5-11-36.

46. ***Delias thysbe pyramus* Wallace.**

Talbot F.B.I. 111a; Evans 6.13.

A few at Katmandu, March and August; Devighat 1,500 ft. 15-12-35; Bhimpedi 2,000 ft. 21-7-36.

47. ***Anapheis aurota aurota* Fab.**

Talbot F.B.I. 122b; Evans 8.

Katmandu 3-5-37, 20-6-37; Nagarkot 7,500 ft. 14-6-37; Devighat 1,500 ft. 25-12-35.

48. ***Cepora nerissa phryne* Fab.**

Talbot F.B.I. 117a; Evans 9.2.

Katmandu April, May and June. August specimens are *nerissa nerissa* Fab. A single specimen on 4-9-37 is dry-season form *copia* Wall. At lower elevations Amlekganj and Bhimpedi about 1,000 ft. this insect is commoner than further in the hills. A pair *in copula* at Chitlang 5,000 ft. 14-6-36.

49. ***Cepora nadina nadina* Lucas.**

Talbot F.B.I. 118c; Evans 9.3.

Only obtained from the Terai. Two specimens at Tribeni on 12-1-36 are the dry-season form *ambā* Wall.

50. ***Appias lalage* Doubleday.**

Talbot F.B.I. 124a; Evans 10.2.

Scarce. Nagarkot 7,000 ft. 6-6-37; Godavari 4,500 ft. 17-4-38.

51. ***Appias lycida eleonora* Boisduval.**

Talbot F.B.I. 127c; Evans 10.5.

A few at Katmandu, October and November. Godavari 8-10-36.

52. **Catopsilia crocale crocale** Cramer.

Talbot F.B.I. 165; Evans 11.1.

One female specimen from Katmandu 4,500 ft. form *jugurtha* Cram.

53. **Catopsilia pomona** Fab.

Talbot F.B.I. 166; Evans 11.2.

One female specimen at Katmandu 4,500 ft. 24-8-35 form *catilla*. Several at lower elevations including the Terai, December and January. Amlekganj 1,000 ft. 15-11-35.

54. **Catopsilia pyranthe pyranthe** L.

Talbot F.B.I. 168; Evans 11.4.

Two specimens at Katmandu 4,500 ft. 4-9-36 and 27-10-37. Plentiful at lower elevations especially at Devighat 1,500 ft. Larva on *Cassia laevigata* (Leguminosae). At the end of October and early November great numbers of larvae were pupating on the back of the leaves of the food plant, others were emerging and mating.

55. **Catopsilia florella gnoma** Fab.

Talbot F.B.I. 169; Evans 11.5.

Three specimens at Katmandu 4,500 ft. 7-4-38 and 7-7-38. Nagarkot 6,000 ft. 8-8-35. Very many at Devighat where the perfect insects were emerging at the end of October and early November. Pairs *in copula* on 27-10-35 and 30-10-35. The food plant is *Cassia laevigata* (Leguminosae). This insect flies with *C. pyranthe* in great numbers and the larvae feed on the same plant.

56. **Gonepterix rhamni nepalensis** Doubleday.

Talbot F.B.I. 172b; Evans 14.1.

Common in the Valley and on the surrounding hills. Katmandu 4,500 ft. May to November. On the surrounding hills up to 6,500 ft. late June to mid-August when there were a great many at Kakni. One brought in from Tsari on the Tibetan border, 14-6-36.

57. **Gonepterix mahaguru mahaguru** Gistel. (E)

Talbot F.B.I. 174a; Evans 14.3.

A few in the Valley; one at Kakni 7,000 ft. 15-4-37, and one brought in from Surjekunda 11-9-35.

58. **Eurema brigitta rubella** Wallace.

Talbot F.B.I. 176; Evans 15.1.

A few at Devighat, April and September, and a pair *in copula* 30-10-35. Baklore, Terai 4-4-36. A specimen brought from the Tibetan border, Laptang, 22-6-37.

59. **Eurema laeta laeta** Boisduval.

Talbot F.B.I. 177a; Evans 15.2.

Common everywhere in the Valley and on the surrounding hills up to 7,000 ft. at Devighat 1,500 ft. and in winter in the Terai. Wet season forms June to September. Dry season forms in May, October and in winter in the Terai. One wet season form was taken at Devighat on 25-11-35.

60. **Eurema blanda silhetana** Wallace.  
Talbot F.B.I. 178a; Evans 15.4.  
Katmandu May, August and October. Devighat 1,500 ft. 15-1-35.
61. **Eurema hecabe fimbriata** Wallace.  
Talbot F.B.I. 179c; Evans 15.5.  
Very common in the Valley and on the surrounding hills during April and May and again from July to November. In the Terai December to February. Pairs were taken *in copula* 2-9-37 and 3-10-35.
62. **Colias erate erate** Esper. (E)  
Talbot F.B.I. 194a; Evans 16.9.  
Very common in the Valley from March to October, but never found on the hills above the Valley. A pair *in copula* at Katmandu 13-5-35. A female seen depositing eggs 16-3-35
63. **Colias electo fieldii** Ménétries.  
Talbot F.B.I. 199; Evans 16.14.  
Very common in the Valley and on the surrounding hills in March, April and May. A few in the Valley as late as October. Many brought in from the north and north-west of Nepal, May and June. A few in the Terai in February. A pair were taken *in copula* on 7-6-35.
64. **Ixias pyrene familiaris** Butler. (W)  
Talbot F.B.I. 151d; Evans 17.2.  
One in the Valley 6-4-34, and two brought in by the collectors from the north, Gumar Set 2-12-35. Silagarhi, West Nepal 28-10-36.
65. **Hebomia glaucippe glaucippe** L.  
Talbot F.B.I. 161a; Evans 19.  
Rare in the Nepal Valley; only seen March, April and September; Devighat 1,500 ft. 18-10-35.
66. **Valeria valeria hippia** Fabricius.  
Talbot F.B.I. 164; Evans 20.3.  
One at Katmandu 24-3-35. Chandragiri above the Valley 5,500 ft., 28-7-35, and a few at lower elevations.  
Amlekganj 1,000 ft., 2-11-36. A few in the Terai in February.

## DANAIDAE

67. **Danaus aglea melanoides** Moore.  
Talbot F.B.I. 213b; Evans 2.1.  
Common in the Valley March to October; at Chandragiri above the Valley, 7,000 ft., 14-6-36. Also taken in the Terai in February. One taken at Katmandu on 12-7-35, had orchid pollinia on the proboscis.
68. **Danaus sita** Kollar.  
Talbot F.B.I. 217; Evans 2.5.  
Only two specimens from the Valley. Form *tylia* Gray 14-5-37 and form *sita* Koll. 28-3-88.  
One brought in from Siligarhi, West Nepal, 29-10-36 appears to be midway between the above two forms.

69. **Danaus limniace leopardus** Butler.

Talbot F.B.I. 210; Evans 2.9.

A single female specimen in the Valley 16-3-36. Several in the Terai in winter.

70. **Danaus hamata septentrionis** Butler.

Talbot F.B.I. 211c; Evans 2.10.

A few in the Valley in March, July, August and October. Common in the Terai in November.

71. **Danaus plexippus plexippus** L.

Talbot F.B.I., 207; Evans 2.12.

Common in the Valley March to October and up to 5,000 ft. on the surrounding hills; many in the Terai in winter.

72. **Danaus chrysippus chrysippus** L.

Talbot F.B.I. 206; Evans 2.15.

Very common in the Valley from March to October and in the Terai in winter. Larvae on *Calotropis procera* (Asclepiadaceae). Pupations at Katmandu on 30.4 emerging on 11.5 and on 1.5 emerging on 7.9. Other emergences in May, June and September.

73. **Euploea mulciber mulciber** Cramer.

Talbot F.B.I. 231a; Evans 3.1.

Common in the Valley except November to February. On the surrounding hills at Nagarkot 7,000 ft. June, July and August.

74. **Euploea core core** Cramer.

Talbot F.B.I. 228a; Evans 3.7.

Common in the Valley June to August, and in the Terai in winter. Emergence dates 28-6-36, 19-7-37, 23-8-35 and 14-10-35.

## SATYRIDAE

75. **Mycalesis francisca sanatana** M.

Talbot F.B.I. 243a; Evans 2.5.

Common in the Valley. D.S.F. in April and May. W.S.F. April, July and August. A single specimen from Nagarkot 7,000 ft. on 7-8-36. was W.S.F.

76. **Mycalesis perseus blasius** Fab.

Talbot F.B.I. 248b; Evans 2.9.

Not in the Valley but common at low altitudes in the Terai in the winter. All D.S.F.

77. **Mycalesis mineus mineus** L.

Talbot F.B.I. 249; Evans 2.10.

Both in the Valley and in the Terai. In the Valley W.S.F. were taken from May to September and D.S.F. in June and October. D.S.F. common in the Terai in winter.



78. *Mycalesis visala visala* M.

Talbot F.B.I. 252a; Evans 2.12.

A single specimen at 5,000 ft. in the Valley on 27-10-36. A few in the Terai in midwinter.

79. *Mycalesis suavolens suavolens* W-M. and DeN. (W)

Talbot F.B.I. 260a; Evans 2.23.

Nagarkot 7,000 ft. in June and July. Katmandu 5,500 ft. 23-5-37.

80. *Mycalesis heri* M.

Talbot F.B.I. 262; Evans 2.25.

Valley, May to August. Not common.

81. *Mycalesis nicotia* Westwood.

Talbot F.B.I. 264; Evans 2.27.

Common in the Valley, May to September. A few specimens at Nagarkot 7,000 ft. in June.

82. *Mycalesis malsara* M. (W)

Talbot F.B.I. 265; Evans 2.28.

A few at Bhimpedi below the Valley 1,000 ft. early October.

83. *Mycalesis lepcha lepcha* M. (E)

Talbot F.B.I. 267a; Evans 2.30.

D.S.F. common in the Valley, March to May. One W.S.F. 5-5-37 and others in July, August and September.

84. *Lethe sidonis sidonis* Hew.

Talbot F.B.I. 273; Evans 3.3.

Common in the Valley in June and October and a few in the intervening months. Also on the surrounding hills up to 7,000 ft. Specimens from North-west Nepal approach form *vaivarta* Doh.

85. *Lethe nicetella* DeN. (W)

Talbot F.B.I. 275; Evans 3.4.

Three specimens only: Chandragiri 6,000 ft. above the Valley 24-6-36, 21-10-37; Godavari, 5,000 ft. 20-10-36. Always in thick forest.

86. *Lethe maitrya maitrya* DeN.

Talbot F.B.I. 276a; Evans 3.5.

Several specimens brought in by collectors from North Central Nepal in August 1937. Never taken in the Valley.

87. *Lethe jalaurida jalaurida* DeN. (W)

Talbot F.B.I. 282a; Evans 3.11.

A single specimen brought in from Jalbiri, North Central Nepal, 3-8-37.

88. *Lethe goalpara goalpara* M. (E)

Talbot F.B.I. 285a; Evans 3.14.

A single specimen brought in from Barabar, North Nepal, 20-8-35.

89. **Lethe baladeva** M. (W)

Talbot F.B.I. 288; Evans 3.17.

Four specimens only: Godavari, 5,000 ft., 10-5-37., Chitlang south of the Valley, 5,000 ft. 23-4-38. Two brought in from North Nepal by collectors, Dejen Gompa, 7-6-37, Patichaur, 14-5-37. I cannot distinguish the race *aisa* Fruh. from *baladeva* M. There is only one specimen of each sex of *aisa* in the British Museum.

90. **Lethe rohria rohria** Fd. (W)

Talbot F.B.I. 293a; Evans 3.22.

Three specimens from the Valley 1-11-36, 30-10-37 and 24-3-39, and one from Thankot above the Valley, 6,000 ft. 17-7-37.

91. **Lethe confusa confusa** Aur.

Talbot F.B.I. 296; Evans 3.25.

Very common in the Valley. The spring brood are on the average smaller than those appearing later.

92. **Lethe insana dinarbas** Hew.

Talbot F.B.I. 306b; Evans 3.34.

A few at Godavari in the Valley in May. Also on the surrounding hills up to 6,000 ft. April to November. A few brought in from the north by collectors in May. Always in thick forest.

93. **Lethe kansa** M.

Talbot F.B.I. 311; Evans 3.38.

A few in the Valley in April and May and again in October. A few at Nagarkot 7,000 ft. between July and November.

94. **Lethe verma sintica** Fruh. (W)

Talbot F.B.I. 317b; Evans 3.44.

Common in the Valley and on the surrounding hills between May and October.

95. **Lethe pulaha pulaha** M.

Talbot F.B.I. 318a; Evans 3.45.

A few brought from North Nepal in May and June. Barku 18-5-35; Sandi, 2-6-35; Kuti on the Tibetan border, 6-6-37; Dejen Gompa 7-6-37.

96. **Lethe yama yama** M.

Talbot F.B.I. 323a; Evans 3.50.

In the thick forest on the hills surrounding the Valley between 5,500 ft. and 7,000 ft. in May and June only.

97. **Pararge menava menava** M. (E)

Talbot F.B.I. 324a; Evans 4.1.

A single specimen from Nepko, West Nepal 11-6-36.

98. **Pararge schakra schakra** Koll. (E)

Talbot F.B.I. 325a; Evans 4.2.

Several brought in from West Nepal in June and July. Kalas, 17-6-36, Barai 19-6-36 and 3-7-36.

99. **Rhaphicera satricus satricus** Db. (W)

Talbot F.B.I. 330; Evans 4.7.

A single specimen taken at Kakni 7,500 ft. 15-9-37. Also two seen at the same place 14-8-35.

100. **Orinoma damaris** Gray.

Talbot F.B.I. 332; Evans 5.

Common in the Valley often at damp soil in May and June. A second brood in September and October.

101. **Aulocera brahminus brahminus** Blanch. (E)

Talbot F.B.I. 355a; Evans 11.1.

A single specimen brought in from Tangar, West Nepal, 7-8-36. Another specimen from Limotang, West Nepal, 16-7-36, appears to be race *brahminoides* M. This is an extension westwards.

102. **Aulocera padma padma** Koll.

Talbot F.B.I. 356a; Evans 11.2.

Many brought in by collectors from North Nepal, July, August and September.

Two specimens appeared to be *A. p. chumbica*: Jalbiri 3-8-37, Santu Nyesum 20-7-37. If my identification is right this is an extension of habitat westwards.

Two specimens brought from Rasuagarhi 20-8-35, and Langdeng 30-8-35, are nearest to *A. p. loha* Doh.

103. **Aulocera swaha swaha** Koll.

Talbot F.B.I. 357a; Evans 11.3.

Many brought in from North Nepal and from the Tibetan border in July, August and September.

104. **Aulocera saraswati** Koll.

Talbot F.B.I. 358; Evans 11.4.

One from the Valley, 4,500 ft. 29-10-37; several from the surrounding hills in August, September and October. Others brought in from the north.

105. **Erebia nirmala nirmala** M. (E)

Talbot F.B.I. 363a; Evans 13.4.

A few brought in from West Nepal in June 1936.

106. **Erebia scanda opima** Watkins. (W)

Talbot F.B.I. 364b; Evans 13.5.

Swarms in August and into early September at Kakni and Nagarkot above the Valley between 6,000 ft. and 7,000 ft.

107. **Erebia hybrida** But. (E)

Talbot F.B.I. 365; Evans 13.6.

Very plentiful at water above Balaji in the Valley in April and again in August. A great many at Kakni, 7,000 ft, mid-August.

108. **Erebia annada caeca** Watkins.

Talbot F.B.I. 367b; Evans 13.7.

Very common in the woods surrounding the Valley in May and again in September.

*E. annada annada* M. also occurs at the same time and localities. If this identification is correct this is an extension of habitat westwards.

109. **Erebia hyagriva** M. (E)

Talbot F.B.I. 368; Evans 13.8.

A few in August and many in September and October, both in the Valley and on the surrounding hills.

110. **Ypthima nareda newara** M. (E)

Talbot F.B.I. 373b; Evans 14.4.

Common in the Valley and on the surrounding hills May to September. One emerged on 25th August at Nagarkot 6,500 ft.

111. **Ypthima ceylonica kasmira** M. (E)

Talbot F.B.I. 380c; Evans 14.11.

None in the Valley but some at lower elevations. Common in the Terai in winter.

112. **Ypthima baldus baldus** F.

Talbot F.B.I. 385a; Evans 14.15.

Very common in the Valley and also found in the surrounding hills up to 7,000 ft. Common in the Terai. A very dry form is found in the Valley in March. Pairs were taken *in copula* at Katmandu 20-9-35 and 16-8-37. Also at Devighat 1,500 ft. 25-10-35 and 31-10-35.

113. **Ypthima sakra nikaea** M. (E)

Talbot F.B.I. 390b; Evans 14.21.

Common in the Valley from April to October and also up to 7,000 ft. on the surrounding hills. A pair taken *in copula* at Katmandu 5-9-37 and another at Nagarkot, 7,000 ft. 22-7-37.

114. **Orsotrioena medus medus** Fab.

Talbot F.B.I. 393a; Evans 16.

Common below 5,000 ft. from August to April in all the parts of Nepal in which collections were made. W.S.F. were obtained in August and September, otherwise most specimens were D.S.F.

A single W.S.F. was taken at Tribeni in the Terai in December. A pair *in copula* at Devighat 30-10-35.

115. **Melanitis leda ismene** Cramer.

Talbot F.B.I. 405; Evans 22.1.

Common in the Valley and especially so in the Terai. W.S.F. were taken in August and September only. This crepuscular butterfly sometimes comes to light like a moth.

116. **Melanitis phedima bela** M. (W)

Talbot F.B.I. 406e; Evans 22.2.

Two specimens, one at Katmandu 4,500 ft. 9-10-36, and another at Godavari 5,000 ft. 20-10-36.

117. **Elymnias hypermnestra undularis** Drury.

Talbot F.B.I. 411c; Evans 25.1.

At various places below the Valley in October and November at altitudes between 1,000 ft. and 2,000 ft. Very common at Devighat.

118. **Elymnias malelas malelas** Hew. (W)

Talbot F.B.I. 418a; Evans 25.8.

A few in October both in the Valley and at lower elevations: One brought in from Central Nepal, Chauntara, 13-9-37. A pair *in copula* at Katmandu 2-10-37.

119. **Elymnias vasudeva vasudeva** M. (W)

Talbot F.B.I. 422a; Evans 25.12.

A single specimen brought in by collectors from Trisuli, 25-7-35.

## AMATHUSIIDAE

120. **Discophora sondaica zal** Wstw. (W)

Talbot F.B.I. 443b; Evans 10.1.

A single male specimen was taken below Nayakot at 3,000 ft. 2-4-35. It was sucking moisture on the road. This is an extension of the Amathusiidae westwards in the Himalayas. The family occurs in South India.

## NYMPHALIDAE

121. **Charaxes polyxena hierax** Fd. (W)

Evans 1.2.

A single ♂ specimen at Amlekganj 1,000 ft. 2-11-36.

122. **Eriboea athamas athamas** Dr.

Evans 2.2.

A few in the Valley in September and October.

123. **Eriboea dolon centralis** Roth. (W)

Evans 2.7.

Valley, April and May.

124. **Eriboea eudamippus eudamippus** Db.

Evans 2.10.

Three specimens in the Valley 4,500 ft. 10-6-34; 5,000 ft. 23-5-36; 5,000 ft. 3-10-37.

125. **Dilipa morgiana** Wd.

Evans 5.

A few in the Valley, mostly at water, May, June and July. One from Laptang near the Tibetan frontier 22-6-37.

126. **Sephisa chandra** M. (W)

Evans 9.2.

Males are common on the hills surrounding the Valley where they fly round treetops. A few in May and July and many in September and October. One female of the *albina* form on 20-10-36.

127. **Euripus consimilis** Wd.

Evans 10.1.

A single male specimen feeding on a peach in the Legation garden at Katmandu on 27-6-37.

128. **Diagora persimilis persimilis** Wd. (W)

Evans 11.1.

Four males in the Valley, April, May, July and September; some at water.

129. **Diagora nicévillei** M. (E)

Evans 11.2.

Several males in May at Godavari. See *Journal of the Bombay Natural History Society*, Vol. 42, p. 819 and Vol. 43, p. 537. This butterfly is named from a single specimen obtained by De Niceville in 1879. No further specimens were obtained until I found it not uncommon in the woods at the fringe of the Valley.

130. **Hestina nama** Db.

Evans 12.

Common in the Valley between May and November. Males fly in the morning round isolated hilltops on the ranges surrounding the Valley.

131. **Dichorragia nesimachus** Bdv.

Evans 16.

Only two specimens taken in the Valley, 23-6-37.

132. **Stibochioma nicea nicea** Gray.

Evans 17.

Common in the woods in and around the Valley, April to October.

133. **Euthalia lepidea lepidea** But.

Evans 18.3.

Plentiful at Devighat (1,500 ft.) in November and December and at lower levels outside the Valley. A single specimen was taken at Godavari in the Valley on 17-4-38. It was also found in the Terai in winter.

134. **Euthalia julii appiades** Men.

Evans 18.6.

Devighat 2,000 ft., 31-10-35. A few brought in by collectors from lower levels outside the Valley.

135. **Euthalia kesava arhat** Fruh. (W)

Evans 18.8.

A single female specimen at Bhimpedi, 1,000 ft. early October 1936.

136. **Euthalia telchinia** Men. (W)

Evans 18.10.

Three specimens in the Valley 5-6-35, and 6-6-36, and a female on 3-10-36.

137. **Euthalia garuda suddhodana** Fruh.

Evans 18.14.

One female in the Valley, 30-10-36. Several of both sexes at Devighat, 2,000 ft. 31-10-35.

138. **Euthalia nara nara** M. (W)

Evans 18.21.

Plentiful on the hills surrounding the Valley up to 7,000', May to August, and a few in the Valley itself.

139. **Euthalia sahadeva sahadeva** M. (W)

Evans 18.23.

As the last. In the Valley and on the surrounding hills up to 7,000 ft.

140. **Euthalia patala patala** Koll.

Evans 18.26.

Common in thick forests in the Valley only in May and June.

141. **Abrota ganga** M.

Evans 23.

A few in the Valley, June and July.

142. **Limenitis danava** M.

Evans 24.2.

Males common in the Valley, April and May. A few in October which are rather larger and darker than the spring brood. A few females were seen in August and October.

143. **Limenitis dudu** Wd. (W)

Evans 24.5.

A few in the Valley, April and May. A single specimen in August and another in October.

144. **Limenitis procris procris** Cr.

Evans 24.7.

A few in the Terai in winter and one at Devighat 2,000 ft. 25-10-35. Not seen in the Valley.

145. **Limenitis trivena pallida** Tyt.

Evans 24.8.

A few brought by collectors from West Nepal in June 1936.

146. **Pantoporia nefte inara** Db. (W)

Evans 25.2.

One in the Valley and several in the Terai and at Devighat in winter.

147. **Pantoporia cama** M.

Evans 25.3.

In the Valley, April to October. At Nagarkot 7,000 ft. July to September. One at Devighat 1,500 ft. 25-12-34.

148. **Pantoporia selenophora selenophora** Koll.

Evans 25.4.

A few in the Valley, March to August and again in October. One at Devighat 1,500 ft. 3-11-36.

149. **Pantoporia opalina opalina** Koll.

Evans 25.8.

Very common in the Valley and on the surrounding hills between April and October. A larva found on *Berberis asiatica* Roxb. (Berberidaceae). Pupated on the 10th of August and emerged on the 27th of the same month.

150. **Pantoporia perius** L.

Evans 25.14.

Plentiful in the Valley and on the surrounding hills where it flies round isolated hilltops along with males of *Hestina nama*, *Sephisa chandra* and *Teinopalpus*. Also common at lower elevations at Devighat and in the Terai in winter.

151. **Pantoporia jina jina** M.

Evans 25.15.

Three specimens in the hills above the Valley: Nagarkot 6,000 ft. 4-7-35; Godavari 6,000 ft. 28-7-37; 5,000 ft. 19-5-38.

152. **Neptis columella ophiana** M.

Evans 26.1.

Only at low elevations outside the Valley. Bhimpedi 2,000 ft. October '36. East Terai 2-3-36.

153. **Neptis mahendra** M. (E)

Evans 26.5.

Two specimens from West Nepal in June.

154. **Neptis hylas varmona** M.

Evans 26.6.

The low elevation form *varmona* is common in the Terai and at Devighat below the Valley. A few of this form were taken along with the *astola* form, which is more plentiful in the Valley and which is also found on the surrounding hills from March to November. Specimens taken in June and July are very dark on the underside.

155. **Neptis nandina susruta** M.

Evans 26.8.

A few in the Valley in spring. Nagarkot 5,000 ft. 10-4-35. Katmandu 11-5-35. Godavari 5,000 ft. 19-5-36.

156. **Neptis yerburyi** But.

Evans 26.9.

Common in the Valley and a few on the surrounding hills, March to October; a few in the Terai in winter.



Pairs were caught *in copula* on 24-8-35 and 16-4-36. Both *yerburyi yerburyi* But. and *yerburyi sikkima* Ev. were obtained. Specimens of *y. yerburyi* were taken in the spring and *y. sikkima* in the autumn.

157. **Neptis sankara** Koll.

Evans 26.10.

Three specimens at Godavari in the Valley. That taken on 9-5-37 is *sankara sankara*; the other two on 20-5-34 and 14-8-37 are *sankara quilla* Swin.

158. **Neptis cartica cartica** M. (W)

Evans 26.13.

Not uncommon in the Valley. A brood appeared in May and another in August.

159. **Neptis ananta ochracea** Evans.

Evans 26.15.

Common in the Valley in May. Two specimens at Nagarkot 7,000 ft. 8-9-35 and 5,000 ft. 10-9-35.

160. **Neptis miah miah** M. (W)

Evans 26.16.

One specimen at Bhimpedi below the Valley 2,000 ft. early October 1936, and one specimen at Katmandu, 4,500 ft. 13-5-35.

161. **Neptis antilope melba** Ev. (W)

Evans 26.18.

Four specimens at Godavari in May 1937.

162. **Neptis manasa** M. (W)

Evans 26.21.

A few were taken at Godavari 5,000 ft. in May 1937, but at no other time or place.

163. **Neptis nycteus nycteus** DeN. (W)

Evans 26.22.

Two specimens at Godavari 5,000 ft. 15-5-37. 19-5-38.

164. **Neptis narayana nana** DeN. (W)

Evans 26.23.

Not uncommon in the Valley but only taken in May.

165. **Neptis hordonia hordonia** Stol.

Evans 26.32.

Common at Devighat and other places below the Valley.

166. **Cyrestis thyodamas thyodamas** Boisduval.

Evans 27.4.

Common in the Valley; often at water and damp soil. One specimen at Devighat, 1,500 ft. 31-3-35; several at Nagarkot 6,500 ft. in September. The specimens vary between the forms *ganescha* Koll. and *thyodamas* Bdv.

167. **Chersonesia risa** Db. & Hew.

Evans 28.1.

A single specimen at Nowakot north of the Valley, 3,000 ft. 17-10-35.

168. **Pseudergolis wedah** Koll.

Evans 29.

Not uncommon at Godavari in the Valley in October.

169. **Hypolimnas misippus** L.

Evans 30.1.

Several males in the Valley in September and October.

170. **Hypolimnas bolina** L.

Evans 30.2.

None in the Valley but a few at Nagarkot between 6,000 ft., and 7,000 ft. in September; also several in the Terai in winter. A pair were taken *in copula* at Nagarkot 6,000 ft. 31-7-37.171. **Kallima inachus inachus** Bdv.

Evans 34.2.

Many in the Valley, March to October. More plentiful in the spring. At lower elevations in October.

172. **Precis hierta hierta** F.

Evans 35.1.

Not uncommon in the Valley from March to May; a second brood appears from August to October. Common at Nagarkot up to 7,000 ft. Pairs were taken *in copula* in July.173. **Precis orithya swinhoei** But.

Evans 35.2.

Very common in the Valley, March to August. Also common on the surrounding hills up to 7,000 ft. between July and the 8th of November. Also common in the Terai. The Terai winter form is paler than the specimens taken in the Valley in summer. Several were taken *in copula* at Nagarkot in July.174. **Precis lemonias persicaria** Fruh.

Evans 35.3.

Common in the Valley. D. S. F. from January to April; W.S.F. in August. D. S. F. in the Terai in December and January.

175. **Precis almana almana** L.

Evans 35.4.

In the Valley D. S. F. were found from September to November and W.S.F. June to August. In the Terai and at lower elevations the D.S.F. was common October to February.

176. **Precis atlites** L.

Evans 355.

A single specimen at Balaji in the Valley 4,500 ft. 2-9-37. Many in damp scrub at Devighat 1,500 ft. at the end of October.

177. *Precis iphita siccata* Stich.

Evans 35.6.

Common in the Valley all the year except November to February. Females were seen ovipositing at Balaji in the Valley 29-7-35, and at Nagarkot 6,000 ft. 2-9-35.

178. *Vanessa cardui* L.

Evans 36.1.

Common in the Valley and up to 7,000 ft. at Nagarkot in the surrounding hills. It is found all the year round except from November to February. In the Terai in winter.

179. *Vanessa indica indica* Herbst.

Evans 36.3.

Very common in the Valley. A spring brood appeared in March and April and an autumn in July and August. Again very many appear in October and November after which they are not seen till March. Many larvae and pupae were found in colonies on nettles. One emergence in July and many in October and November.

180. *Vanessa canace canace* L.

Evans 36.4.

Common in all localities, in the Valley, on the surrounding hills, and at lower elevations outside. Not seen during December, January and February. A larva was found on *Smilax macrophylla* (Liliaceae) pupated on 22-8-35. and emerged on 2-9-35. Most are sub-species *canace* L. but some approach *himalaya* Evans.

181. *Vanessa cashmirensis aesis* Fruh.

Evans 36.10.

Very common everywhere except during December, January and February. Many emerged at the end of October.

182. *Vanessa xanthomelas fervescens* Stich. (E)

Evans 36. 11.

One in the Valley 5,000 ft. 9-3-36. One at Nagarkot 7,000 ft. 8-5-37, and one brought in from Patichaur in north Nepal 11-11-37.

183. *Symbrenthia hippoclus khasiana* M.

Evans 38.1.

Appears in considerable numbers in the Valley in March.

184. *Symbrenthia hypselis cotanda* M.

Evans 38.3.

A few in the Valley in March and April. A fresh brood appears in September and October. It is found both in the Valley and in the hills up to 7,000 ft.

185. *Argynnis hyperbius hyperbius* L.

Evans 39.1.

Common in the Valley and the surrounding hills; more plentiful from June to September. Pair *in copula* 12-9-37.

Emergences on 3-10-35, 1-11-35 and 9-10-36.

186. *Argynnis childreni childreni* Gray.

Evans 39.2.

Not uncommon in the Valley and on the surrounding hills up to 7,000 ft., from May to July; a few in October. It was not seen in the Terai or at lower elevations. Several were brought in from North Nepal by collectors.

187. *Argynnis kamala* M. (E)

Evans 39.3.

A few brought from western Nepal June, July and August.

188. *Argynnis lathonia issoea* Db.

Evans 39.8.

In the Valley and the surrounding hills from March to June. A great many brought in from western and northern Nepal in May and June. A pair *in copula* 15-5-37.

189. *Melitaea arcesia irma* Higgins. (*Transactions R. Ent. Soc.* Vol. 9. Part 7. 1941.)

Evans 40.7.

Many brought in from West Nepal in July and August 1936.

190. *Cupha erymanthus lotis* Sulz.

Evans 41.

A few in the Valley and surrounding hills from May to August; a single specimen in October.

191. *Atella phalanta* Drury.

Evans 42.1.

A few in the Valley, and the surrounding hills from May to October. An egg deposited on 15-8-35, hatched on 21-8-35 and the imago emerged on 11-9-35.

192. *Issoria sinha sinha* Koll.

Evans 43.

A few in the Valley, June to October. One taken in the Terai on 16-1-36 is form *pallida* Evans.

193. *Cynthia erota erota* F. (W)

Evans 44.

A single worn specimen at Nagarkot 6,000 ft. 3-7-37.

194. *Cethosia biblis tisamena* Fruh. (W)

Evans 47.1.

Common in the Valley, March to April. A second brood appearing from August to October. Many larvae on Passion Flower (*Passifloraceae*) in the Legation garden pupated in December 1936; of these two emerged on 7-3-37 and five on 11-3-37. Eggs on Passion Flower hatched on 17-8-37. Seven of these pupated on 6-9-37, and others a few days later. These emerged as perfect insects on 16th, 17th and 18th of September the same year.

195. *Ergolis ariadne pallidior* Fruh.

Evans 49.1.

A single specimen from the western Terai on 2-1-37.

196. *Ergolis merione assama* Ev. (E)

Evans 49.2.

Not uncommon in the Valley but only found in September and October. A single specimen at Devighat 1,500 ft. 25-11-37.

## ACRAEIDAE

197. *Acraea issoria issoria* Hub.

Talbot F.B.I. 450a; Evans 51.

Kakni, above the Valley, 7,000 ft., June to September. In September the butterflies were seen emerging in great numbers.

The separation into sub-species by size does not seem to be justified. According to Talbot in F.B.I. *A.i. issoria* Hub. (50 to 70 mm.) is from the eastern Himalayas while *A.i. anomala* Koll. (45 to 65 mm.) is from the western Himalayas. The largest specimens I have are from the Simla Hills; a male is 70 mm. and a female 80 mm.*(To be continued)*

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# NOTES ON BUTTERFLIES FROM NEPAL

BY

LT.-COL. F. M. BAILEY, C.I.E.

## PART II

(Continued from p. 87 of this volume)

### ERYCINIDAE

198. **Libythea lepita lepita** M.

Evans 1.2.

Very common in the Valley, March, April and May. Often at damp soil. A pair *in copula* 1-4-38.

199. **Libythea myrrha sanguinalis** Fruh.

Evans 1.3.

Uncommon. A few in the Valley in August. One specimen in October and one in November.

200. **Zemerus flegyas indicus** Fruh.

Evans 2.

Common in the Valley all the year except December, January and February. Also many brought in by collectors from the north.

201. **Dodona durga** Koll.

Evans 3.1.

A single specimen at Chitlang, 1,500 ft. on 20-7-35.

202. **Dodona dipoea** Hew.

Evans 3.2.

In the Valley and surrounding hills from March to October. Especially plentiful in May and September. A single specimen was taken on 15-11-37. Both subspecies *D. d. nostia* Fruh. and *D. dipoea* Hew. appeared to be together, but there is very little superficial difference between them.

203. **Dodona eugenes** Bates.

Evans 3.3.

Very common in the Valley and the surrounding hills; most plentiful in April, in early May, and again in September. A female was seen depositing dull pink globular eggs on the woody stalk of the food plant on 6-8-35.

As in the case of the last, both subspecies *E. e. eugenes* and *E. e. venox* Fruh. are found together, but the subspecies are almost indistinguishable.



204. *Dodona egeon* Db.

Evans 3.4.

Common in the Valley especially so on the surrounding hills from March to November. Most plentiful in May.

205. *Dodona ouida ouida* M.

Evans 3.5.

Common in the Valley and especially in the surrounding hills March to November.

206. *Dodona adonira adonira* Hew.

Evans 3.6.

At Godaveri in the Valley, May and June and again in October usually on damp stones.

207. *Abisara fylla* Db.

Evans 4.1.

A few in the Valley, April to November.

208. *Abisara neophron neophronoides* Fruh.

Evans 4.2.

A single specimen at Nagarkot, 6,000 ft. 7-6-37.

209. *Abisara echerius suffusa* M.

Evans 4.5.

Not found in the Valley. Common at Devighat 1,500 ft. and the Terai in winter.

## LYCAENIDAE

210. *Poritia hewitsoni hewitsoni* M.

Evans 2.5.

Not in the Valley. Bhimpedi, below the Valley, in October; Devighat 1,500 ft. 3-11-36.; eastern Terai 28-2-33.

211. *Spalgis epius epius* Wd.

Evans 8.

Two specimens at low elevations; Amlekganj 1,000 ft. 15-11-35; Tribeni, Terai 5-12-35.

212. *Castalius rosimon rosimon* F.

Evans 11.1.

Not in the Valley but only at lower elevations. Devighat 1,500 ft. October; the Terai in winter.

213. *Castalius caleta decidia* Hew.

Evans 11.2.

At Devighat 1,500 ft. and in the Terai in winter. This is an extension of habitat westwards in the Himalayas.

214. **Tarucus dharta** B—B. (W)<sup>1</sup>  
 Evans 12.2.  
 A single specimen at Amlekganj, 1,500 ft. 3-6-36.
215. **Tarucus callinara** But.  
 Evans 12.4.  
 A single specimen at Devighat 2,000 ft. 31-10-36.
216. **Syntarucus plinius** F.  
 Evans 13.  
 A single specimen at Katmandu 4,500 ft. 12-9-35.
217. **Everes argiades indiae** Ev.  
 Evans 18.2.  
 Common at Katmandu and in the Valley. A few on the surrounding hills, April to October.
218. **Everes dipora** M.  
 Evans 18.4.  
 Not in the Valley but on the surrounding hills. Nagarkot 6,000 ft. 28-7-37; Chandragiri 6,000 ft. 10-4-37; Chitlang 4,000 ft. 23-2-37. A few brought in by collectors from west Nepal.
219. **Everes parrhasius parrhasius** F.  
 Evans 18.5.  
 One in the Valley, Katmandu 13-10-35; one at Kakni, above the Valley 7,000 ft. 25-8-37; two at Devighat 1,500 ft. 31-3-35 and 29-10-35 and one brought in from Galchi, west Nepal 5-11-36.
220. **Megisba malaya sikkima** M.  
 Evans 20.  
 One specimen at Godavari in the Valley 5,000 ft. 31-7-35; one at Nagarkot 5,500 ft. 3-8-35; several in the Terai in winter.
221. **Lycaenopsis puspa gisca** Fruh.  
 Evans 21.2.  
 Common in the Valley and on the surrounding hills. A few in March and April, very many in July and August, fewer in September and October. A pair *in copula* at Nagarkot 7,000 ft. 31-8-35.
222. **Lycaenopsis marginata** DeN.  
 Evans 21.11.  
 Common in the Valley, the surrounding hills and in the Terai. A few in April, many May to August. Pairs *in copula* at Nagarkot 6,000 ft. 29-7-35, and at Kakni 6,500 ft. 28-8-37.

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<sup>1</sup> (W) or (E) indicate extensions of known habitat from Sikkim westward or from Kumaon eastward, respectively.

223. *Lycaenopsis transpecta* M. (W)  
 Evans 21.12.  
 A few in the Valley and the surrounding hills in May and June.  
 Devighat 1,500 ft. 31-10-35.
224. *Lycaenopsis vardhana* M. (E)  
 Evans 21.13.  
 Five specimens at Sheopani above the Valley, 8,000 ft. on 14-9-37.  
 The specimens are rather brighter blue than specimens from Simla.
225. *Lycaenopsis albocoerulea* M.  
 Evans 21.15.  
 Common in the Valley and on the surrounding hills from the end  
 of March to the end of October.
226. *Lycaenopsis lavendularis placida* DeN. (W)  
 Evans 21.19.  
 A single specimen at Godaveri in the Valley 5,000 ft. 20-6-36.
227. *Lycaenopsis cardia dilecta* M.  
 Evans 21.20.  
 Common in the Valley and surrounding hills end of March to early  
 November. Most plentiful May to July. Often at damp sand and  
 cowdung.
228. *Lycaenopsis hugelii hugelii* M. (E)  
 Evans 21.22.  
 Not found in the Valley, but two specimens from the surrounding  
 hills. Nagarkot 6,000 ft. 4-7-36 and Kakni 7,500 ft. 15-9-37.  
 Very many brought from north-west Nepal between the end of  
 May and mid-September. A pair *in copula* 1-6-36.  
 Several specimens of *L. hugelii oreana* Swin. were taken at Godaveri  
 5,000 ft. May, June and October ; some also on Sheopuri Hill 8,000 ft.  
 14-9-37.
229. *Lycaenopsis ladonides gigas* Hemming. (E)  
 Evans 21.23.  
 West Nepal 1936.
230. *Lycaenopsis argiolus sikkima* M. (W)  
 Evans 21.24.  
 A few in the hills above the Valley up to 7,000 ft. March to  
 September. A single specimen on 28-12-36 at 2,000 ft. at Bhim-  
 pedi below the Valley.
231. *Lycaenopsis jynteana* DeN. (W)  
 Evans 21.25.  
 Only two specimens Katmandu 4,500 ft. 2-5-36 ; Nagarkot  
 7,000 ft. 24-6-36.

232. **Polyommatus astrarche** Berg. (E)  
 Evans 22.10.  
 A few brought from north-west Nepal, Yakpa 27-8-36, Pensa 13-9-36.
233. **Polyommatus galathea galathea** Blanch. (E)  
 Evans 22.19.  
 Several brought in from north-west Nepal, July 1936.
234. **Polyommatus eros ariana** M.  
 Evans 22.27.  
 Many brought in from north-west Nepal. Simkot, June to September 1936; Yakpa 27-8-36. Pensa 13-7-36 and 13-9-36. The subspecies is doubtful. I have never found any form of *eros* in Sikkim, Chumbi Valley or Bhutan, though *eros stoliczka* Fd. is common in Tibet north of the Tang La and at Gyantse, Lhasa and in the Tsangpo Valley. I have caught it as far east as Sangachö Dzong, E Long. approx. 97° 10'.
235. **Chilades laius laius** Cr.  
 Evans 23.  
 Tribeni, Terai, 13-12-35.
236. **Zizeeria trochilus trochilus** Freyer.  
 Evans 24.1.  
 Devighat, 1,500 ft. 29-10-35; Katmandu, 4,500 ft., 9-10-36 and 29-10-36.
237. **Zizeeria maha maha** Koll.  
 Evans 24.3.  
 Very common at Katmandu March to October. Also common at Nagarkot and Kakni 6,000 ft. July to October. Pairs *in copula* at Katmandu 4-3-35 and at Nagarkot 26-7-35. Common in the Terai in December.
238. **Zizeeria lysimon** Hub.  
 Evans 24.4.  
 Terai, December and March. Not found in the Valley.
239. **Zizeeria otis otis** F.  
 Evans 24.6.  
 A single specimen at Katmandu, 4,500 ft. 10-10-35. Common in the Terai, October to March, and at Devighat at the end of October.
240. **Euchrysops cnejus** F.  
 Evans 25.1.  
 Common in the Terai, scarce in the hills. Katmandu 4,500 ft. 4-6-35. Nagarkot 6,500 ft. 6-9-35. A pair *in copula* at Devighat 2,000 ft. 25-10-35.

241. **Euchrysops contracta contracta** But.

Evans 25.2.

A single specimen in the Terai 26-3-36.

242. **Euchrysops pandava pandava** Hors.

Evans 25.3.

Many of the wet season form in the Legation garden in early August 1937. Most were on Michaelmas daisies.

243. **Lycaenesthes emolus emolus** God.

Evans 26.1.

A single specimen in the Valley 24-4-37, and two at Nagarkot, 5,500 ft. in July. Others at lower levels and in the Terai in winter. An extension westwards in the Himalayas.

244. **Lycaenesthes lycaenina lycambes** Hew. (W)

Evans 26.2.

Not found in the Valley, but a few at lower levels. Nowakot, 3,000 ft. 17-10-35; Devighat, 1,500 ft. 30-10-35; Bhimpedi, 2,000 ft. 21-7-36.

245. **Catachrysops strabo** F.

Evans 27.1.

In the Valley and up to 7,000 ft. at Nagarkot, March, July, September and October; also in the Terai in winter.

246. **Catachrysops lithargyria** M. (W)

Evans 27.2.

A single female specimen at Katmandu 4,500 ft. 18-3-37. Evans gives 'Assam to Burma'. This butterfly has never been taken in Sikkim so this is a considerable extension of habitat westwards. The specimen was identified at the British Museum.

247. **Lampides boeticus** L.

Evans 28.

Very common everywhere. In March females were depositing eggs on the buds of wistaria and lupin in the Legation garden. The buds were so covered in eggs that from a few feet away they appeared quite grey.

248. **Jamides bochus bochus** Cr.

Evans 29.1.

A few of both sexes in the Valley and up to 6,000 ft. on the surrounding hills in June and November; also in the Terai in winter.

249. **Jamides celeno celeno** Cr.

Evans 29.5.

Very common in the Valley; W.S.F. July to October and D.S.F. October to December. Specimens in October and November are very variable. Specimens taken in the Terai in December are of an extremely dry form. A single specimen of the D.S.F. was taken in the Valley on 20-3-33.

250. *Jamides alecto eurysaces* Fruh.

Evans 29.9.

A few in the Valley in October ; very common in the Terai in December and January. This is an extension westwards in the Himalayas.

251. *Nacaduba pactolus continentalis* Fruh. (W)

Evans 32.2.

A single specimen at Katmandu 4-10-37.

252. *Nacaduba kurava euplea* Fruh. (W)

Evans 32.8.

Three female specimens Katmandu 4,500 ft. 26-9-35 and Nagarkot 7,000 ft. in July.

253. *Nacaduba nora nora* Fd.

Evans 32.15.

Several specimens from Nagarkot 6,000 ft. 7-6-37. Also several in the Terai in winter. None were actually seen in the Valley.

254. *Nacaduba dubiosa indica* Evans.

Evans 32.16.

None were taken in the Valley but a few at Nagarkot 6,000 ft. 7-6-37 ; also in the Terai in winter. Specimens were identified at the British Museum.

255. *Lycaena pavana* Koll. (E)

Evans 34.1.

A few brought in by collectors from north-west Nepal in May and June 1936.

256. *Lycaena phloeas indicus* Ev. (W)

Evans 34.2.

Very many brought in by collectors from north-west Nepal June to August 1936.

257. *Heliophorus sena* Koll. (E)

Evans 35.1.

A few brought in by collectors from west Nepal, June and October 1936.

258. *Heliophorus epicles indicus* Fruh.

Evans 35.2.

Common in the Valley, May to November, and also at lower elevations.

259. *Heliophorus bakeri* Ev. (E)

Evans 35.4.

Several brought in by collectors from west Nepal in May and June 1936.

260. *Heliophorus oda* Hew. (E)

Evans 35.5.

A single specimen brought in from Melcham, west Nepal, 12-6-36.

261. *Heliophorus androcles androcles* Hew. (W)

Evans 35.8.

Many brought in by collectors from west and north Nepal and the Tibetan border, May and June. One from Patechaur, north Nepal, 11-11-37. A single male on Sheopuri Hill, above the Valley, 8,000 ft. 14-9-37.

262. *Heliophorus tamu tamu* Koll

Evans 35.9.

Many in the Valley, mostly at damp soil, May to September. Kakni, 7,000 ft. 24-8-37. Many on Sheopuri Hill, above the Valley, 8,000 ft. 14-9-37 and many brought in from the north.

263. *Euaspa milionia* Hew. (E)

Evans 40.

Very common in the woods in the Nepal Valley, April to July; specimens taken after May were very worn.

264. *Thecla icana* M. (E)

Evans 41.1.

Two male specimens at Chandragiri, above the Valley 6,000 ft., 14-6-36. These have more orange than usual at the torus un<sub>h</sub>. I have also taken this in Bhutan and in southern Tibet.

265. *Thecla birupa* M. (E)

Evans 41.12.

Several on the hills surrounding the Valley, 5,000 to 7,000 ft., May, June and July.

266. *Thecla syla assamica* Tyt. (W)

Evans 41.14.

A single female specimen from Jalbiri, north central Nepal, 3-8-37. The specimen was identified at the British Museum.

267. *Chaetoprocta odata* Hew. (E)

Evans 42.

Many at Godaveri in the Nepal Valley in May, flying round, and at dusk roosting on the upper sides of leaves of walnut trees; also many brought in from north-west Nepal in June 1936.

268. *Curetis bulis* Db. & Hew.

Evans 44.4.

A few in the Valley, April, May and June.

269. *Curetis acuta dentata* M.

Evans 44.6.

Tribeni, in the Terai, 1,000 ft 26-1-36; Bhimpedi, 1,000 ft. October. A female in eastern Terai, 3-3-26. One at Katmandu, 4,300 ft. in the Valley, 17-10-36.

270. *Iraota timoleon timoleon* Stoll.

Evans 45.1.

Several in the Valley and up to 6,000 ft. on the surrounding hills, May to September.

271. *Amblypodia oenea* Hew. (W)

Evans 49.27.

A single specimen at Katmandu, 4,500 ft., 4-10-37.

272. *Amblypodia alemon* DeN.

Evans 49.34.

One specimen in the Valley, 5,000 ft. 22-5-37. Common in the Terai in winter.

273. *Amblypodia centaurus pirithous* M.

Evans 49.36.

Very common at Devighat October to May; common also in the Terai in winter. A few in the Valley.

274. *Amblypodia amantes amantes* Hew.

Evans 49.39.

Only in the Terai in winter.

275. *Amblypodia singla* DeN. (W)

Evans 49.40.

A few in the Valley up to 6,000 ft., March to August.

276. *Amblypodia bazalus* Hew. (W)

Evans 49.41.

A few in the Valley and up to 6,500 ft. on the surrounding hills.

277. *Amblypodia eumolphus eumolphus* Cr.

Evans 49.42.

A few in the Valley, July and August.

278. *Amblypodia dodonea* M. (E)

Evans 49.50.

A single specimen from Yarsa in west Nepal, 5-8-35.

279. *Amblypodia rama rama* Koll.

Evans 49.51.

Very common in the Valley and on the surrounding hills, March to October. A few at lower elevations and in the Terai in winter.



280. *Amblypodia paramuta* DeN. (W)  
 Evans 49.53.  
 In the Valley and up to 7,000 ft. on the surrounding hills; common at Nagarkot July to October.
281. *Amblypodia ganesa ganesa* M. (E)  
 Evans 49.65.  
 Three specimens in the hills above the Valley; Nagarkot, 7,000 ft. 2-7-37; Thankot, 6,000 ft. 17-7-37; Kakni, 7,000 ft. 27-8-37. This subspecies was checked at the British Museum.
282. *Amblypodia paraganesa paraganesa* DeN.  
 Evans 49.66.  
 In the Valley and on the surrounding hills up to 7,000 ft.; common July to September. A single specimen as late as 9-11-35. at Nagarkot, 5,000 ft.
283. *Amblypodia chinensis* Fd. (W)  
 Evans 49.78.  
 A few in July and August on the hills surrounding the Valley, between 5,000 and 7,000 ft.
284. *Amblypodia areste areste* Hew. (W)  
 Evans 49.79.  
 Four specimens on the hills above the Valley. Nagarkot, 6,000 ft. 1-7-37 and 9-9-37; Kakni, 7,000 ft. 26-8-37 and 15-9-37.
285. *Surendra quercetorum quercetorum* M.  
 Evans 50.1.  
 A single specimen at Devighat 1,500 ft. 27-10-35.
286. *Loxura atymnus atymnus* Cr.  
 Evans 53.  
 A single specimen in the Valley, 4,500 ft. 7-8-37. Common at lower elevations in August and September
287. *Spindasis nipalicus nipalicus* M.  
 Evans 57.9.  
 One specimen at Katmandu, 4,500 ft. 10-6-35. Several at Nagarkot, 7,000 ft. in May. A few in the Terai and at lower elevations, March to October.
288. *Spindasis syama peguanus* M.  
 Evans 57.12.  
 Bhimpedi, early October 1936; Devighat 1,500 ft. 1-4-35 and three specimens on 25-10-35. This is an extension of habitat westwards in the Himalayas.
289. *Spindasis lohita himalayanus* M. (W)  
 Evans 57.13.  
 Common at Katmandu especially on Michaelmas daisies in the Legation garden in August and September. One brought in from the north, Chauntara, 13-9-37.

290. *Pratapa ctesia* Hew.

Evans 59.2.

Common above the Valley between 5,000 and 7,000 feet, where it flies round tree tops; May to August.

291. *Pratapa blanka argentia* Aurivill. (W)

Evans 59.4.

A single female at Devighat, 2,000 ft., 25-10-35.

292. *Pratapa deva lila* M.

Evans 59.5.

A few on the hills above the Valley, 5,000 to 7,000 feet, in July. A single specimen at 5,000 ft., 15-10-36. Flies around tree tops.

293. *Pratapa icetas icetas* Hew. (E)

Evans 59.6.

Common on the hills above the Valley, 5,000 to 7,000 feet, July to September. Flies around isolated tree tops.

294. *Pratapa cleobis* God.

Evans 59.8.

Common on the hills above the Valley, July and August and a few in June, September and October; 5,000 to 7,000 feet. A few were taken in the Valley between April and November.

295. *Pratapa bhotea* M. (W)

Evans 59.9.

A single specimen at Kakni, 7,500 ft., 15-9-37.

296. *Tajuria jangala ravata* M. (W)

Evans 60.1.

One female specimen at Nagarkot, 5,500 ft., 8-8-35, and a male brought in from Dendrowati, 18-5-35.

297. *Tajuria yajna istroidea* DeN. (W)

Evans 60.4.

Two specimens which appear to be nearest to *istroidea*, Nagarkot, ♀ 7,000 ft., early August; Katmandu, 4,500 ft., 2-9-37.

298. *Tajuria illurgis* Hew.

Evans 60.20.

Katmandu 4,500 ft., April and August; Nagarkot, 6,000 and 7,000 feet, July and August. Two specimens brought in from the north, Kodari, 17-5-37, and Gumtang, 20-5-37.

299. *Tajuria illurgoides* DeN.

Evans 60.21.

Nagarkot, 7,000 ft., 5-6-37. Two from Kang Lang, north Nepal, 19-5-37.

300. **Tajuria luculentus nela** Swin. (W)

Evans 60.22.

A single female specimen at Thankot, above the Valley, 6,000 ft., 26-4-36. This single specimen is abnormal and may be new and has been given to the British Museum. It is a considerable extension of habitat westwards. Evans gives Assam as the habitat in India.

301. **Tajuria maculata** Hew. (W)

Evans 60.23.

Two specimens, Sundarijal in the Valley, 5,500 ft., 4-7-30; Nagarkot, 7-9-37.

302. **Charana jalindra indra** M.

Evans 61.1.

Several in and around the Valley, May to October. This is an extension of habitat in the Himalayas westwards.

303. **Horaga onyx onyx** M.

Evans 77.1.

A single specimen, Katmandu, 4,300 ft., 9-10-35.

304. **Catapoecilma elegans major** Fruh.

Evans 78.1.

Devighat, 1,500 ft., 31-3-35, 1-4-35; Nagarkot, 5,000 ft., 17-6-35.

305. **Chliaria othona** Hew.

Evans 79.1.

A single specimen at Bhimpedi, below the Valley, 2,000 ft., 27-9-36.

306. **Chliaria kina cachara** M.

Evans 79.2.

Common on damp stones in the Valley and up to 6,000 ft. on the hills, March to October. Two specimens may be *C. kina kina* Hew. These are extensions of habitat east (*C. k. kina*) and west (*C. k. cachara*).

307. **Hypolycaena erylus himavantus** Fruh. (W)

Evans 80.3.

Valley April to July, some at lower elevations in October.

308. **Zeltus etolus** F. (W)

Evans 81.

Two specimens below the Valley, Nawakot, 3,000 ft., 17-10-35; Devighat, 2,000 ft., 1-11-35.

309. **Deudoryx epijarbas ancus** Fruh. (W)

Evans 83.1.

Common in the Legation garden at Katmandu in July, August and September. Frequently at Michaelmas daisies. A female bred from a larva in an apple emerged 2-7-37. The subspecies was checked at the British Museum.

**310. *Virachola perse perse* Hew.**

Evans 84.2.

Two specimens in the Valley, 1-9-35; a female specimen at Devighat, 1,500 ft., 3-11-36.

**311. *Rapala refulgens* DeN.**

Evans 85.5.

A few taken in the Valley between April and September.

**312. *Rapala tara* DeN.**

Evans 85.9.

A few at Godaveri in Valley, 5,000 ft. in May and October, but at no other time or place.

**313. *Rapala varuna orseis* Hew. (W)**

Evans 85.11.

Katmandu, 4,500 ft., 4-5-35, 11-10-35, 3-9-37. A specimen at Tribeni in the Terai, 3-12-35.

**314. *Rapala schistacea* M.**

Evans 85.12.

Not uncommon in the Valley and up to 6,000 ft. at Nagarkot; April to September.

**315. *Rapala scintilla* DeN. (W)**

Evans 85.13.

On the hills surrounding the Valley. Two specimens, Nagarkot, 7,000 ft. end of October 1936; Thankot, 6,000 ft., 26-4-36.

**316. *Rapala pheritimus petosiris* Hew. (W)**

Evans 85.14.

A few in the Valley, between June and October; Devighat, 1,500 ft., 25-10-35; a specimen brought in from the north Dendrawati, 18-5-35.

**317. *Rapala melampus* Cr.**

Evans 85.16.

A single specimen at Katmandu 4-6-35. This is an extension of habitat eastwards in the Himalayas.

**318. *Rapala nissa nissa* Kol.**

Evans 85.19.

Very common in the Valley. The first appearance is in March when a great many are seen on flowering shrubs. A favourite bush is *Ligustrum nepalense* Wall. The numbers gradually diminish until October. Up to 7,000 ft. at Nagarkot, June, July, and August.

**319. *Sinthusa chandrana* M.**

Evans 86.2.

A single specimen at Katmandu, 23-3-37.

**320. *Sinthusa nasaka pallidior* Fruh. (E)**

Evans 86.3.

A few in the Valley, March to September.

## HESPERIIDAE

321. **Hasora chromus chromus** Cr.  
 Evans 1.16. Cat. A.3.13.  
 Katmandu, 24-4-37, 23-6-37.
322. **Bibasis vasutana** M.  
 Evans 2.15. Cat. A.1.9.  
 Godaveri, Valley 5,000 ft., 20-10-36.
323. **Choaspes xanthopogon** Koll.  
 Evans 4.4. Cat. A.5.4.  
 Valley, March, May, August and October.
324. **Celaenorrhinus ratna tytleri** Evans. (W)  
 Evans 11.9. Cat. B.6.9.  
 One specimen at Katmandu 20-3-36.  
 Several on surrounding hills up to 7,000 ft. Like its congeners it inhabits dense forest where it settles on the underside of leaves.
325. **Celaenorrhinus munda** M.  
 Evans 11.17. Cat. B.6.19.  
 Kodari, north Nepal, 27-5-37.
326. **Celaenorrhinus dhanada dhanada** M.  
 Evans 11.29. Cat. b.6.27.  
 One specimen, Katmandu, 2-9-37.
327. **Lobocla liliana ignatius** Plötz. (E)  
 Evans 12.2. Cat. B.4.1.  
 Many in the Valley and on the surrounding hills where it flies round tree tops in bright sunlight in May and June. A specimen from Kodari, north Nepal, 22-8-37.
328. **Seseria dohertyi dohertyi** Watson.  
 Evans 13.7. Cat. C.8.2.  
 Six specimens in the Valley, April to July.
329. **Tagiades gana athos** Plötz.  
 Evans 14.3. C.12.2.  
 A single specimen in the eastern Terai 8-3-26.
330. **Tagiades menaka menaka** M.  
 Evans 14.9. Cat. C.12.9.  
 Common in the Valley from April to October.
331. **Tagiades litigosa litigosa** Mosch.  
 Evans 14.10. Cat. C.12.8.  
 Common in the Valley, March to May; some at lower elevations in October.

332. *Coladenia dan fatih* Koll.

Evans 20.1. Cat.C.5.1.

Common in the Valley, May to August. Many brought in by collectors from west Nepal.

333. *Sarangesa dasahara dasahara* M.

Evans 21.3. Cat.C.6.2.

Devighat, 1,500 ft. and lower elevations below the Valley, May, July and October.

334. *Darpa hanria* M. (W)

Evans 22.1. Cat. C.3.1.

Several at Godaveri in the Valley 5,000 ft., April and May. All were drinking on wet stone.

335. *Ctenoptilum vasava vasava* M. (W)

Evans 24.1. Cat.C.16.1.

A single specimen at Katmandu, 4,500 ft., 22-4-35.

336. *Spiala galba* F.

Evans 28.2. Cat.D.4.2.

Common in the Terai in winter. A few in the Valley and up to 5,000 ft., June and October.

337. *Aeromachus stigmata stigmata* M.

Evans 43.4. Cat.G.6.4.

A single specimen Kakni, 7,000 ft., 15-8-35.

338. *Aeromachus jhora jhora* Dn. (W)

Evans 43.8. Cat.G.6.6.

Two specimens at Thankot above the Valley, 7,000 ft., 17-7-37.

339. *Pedesta masuriensis* DeN.

Evans 44.1. Cat.G.9.1.

Several in the Valley and surrounding hills up to 7,000 ft. April, to August; also brought in by collectors from Kodari, north Nepal, 22-5-37.

340. *Iambrix salsala salsala* M.

Evans 46.2. Cat.I.1.1.

A few at Devighat below the Valley, 1,500 ft. in March and April.

341. *Ancistroides nigrita diocles* M. (W)

Evans 55.1. Cat.I.5.1.

Bhimpedi, 1,000 ft., early October.

342. *Udaspes folus* Cr.

Evans 57.1. Cat.I.7.1.

Common in the Valley and surrounding hills, April to August.

343. *Notocrypta feisthamelii alysos* M.

Evans 58.5. Cat.I.6-6.

Common in the Valley and surrounding hills usually in dense forest, March to September.

344. *Notocrypta curvifascia curvifascia* Fd.

Evans 58.6. Cat.I.6.5.

Common in the Valley, April to August. Especially plentiful in April.

345. *Erionota torus* Evans

Evans 60.1. Cat.J.14.1.

A single specimen at Khatmandu, 6-4-35.

346. *Matapa aria* M.

Evans 64.1. Cat. J.17.1.

A single specimen at Bhimpedi, 1,500 ft., 15-11-35.

347. *Sovia grahami* Evans.

Evans 83.4. Cat.G.8.1.

Two specimens brought by collectors from Kashiganj, north Nepal, 7-8-35.

348. *Thoressa aina* DeN.

Evans 83.9. Cat.G. 11.17.

One specimen from the interior of Nepal and one from Thankot above the Valley 5,000 ft., 17-7-37.

349. *Thoressa gupta gupta* DeN.

Evans 83.12. Cat.G.11.15.

A few in the Valley at 5,000 ft., in May.

350. *Halpe kumara* M. (W)

Evans 83.28 Cat. G. 12-5.

One specimen from the Valley 20-6-36. Several brought in from north Nepal in May and June ; Kodari 15-5-37 and 22-5-37.

351. *Taractrocera danna* M.

Evans 88.1. Cat. L. 1-1.

Common in the Valley and up to 6,000 ft. on the surrounding hills; flies along sunny roadsides.

352. *Taractrocera maevis sagara* M.

Evans 88.2 Cat. L. 1.2.

Several in the Valley, March, June and August.

353. *Potanthus dara* Koll. (E)

Evans 90.8. Cat. L. 5.13.

One specimen at Nawakot below the Valley 2,500 ft., 2-4-35,

354. **Potanthus pseudomaesa clio** Evans.

Evans 90.10. Cat. L. 5.8.

Two specimens from the Valley. Khatmandu, 4,500 ft., 3-10-35, Godaveri, 5,000 ft., 8-10-36.

355. **Potanthus confucius dushta** Fruh.

Evans 90.12. Cat. L. 5.16.

Two specimens from the Terai. Tribeni 3-2-36; Morang, east Terai, 28-2-26.

356. **Telicota ancilla bambusae** M.

Evans 91.2. Cat. L. 7-9.

Raxaul, 1,000 ft., 7-3-38. Devighat, 1,500 ft., 25-10-35.

357. **Ochlodes brahma** M.

Evans 93.8. Cat. K. 3.11.

On hills surrounding the Valley, April and May. Some brought in from the interior, May and June.

358. **Baoris farri farri** M.

Evans 97.1. Cat. M. 6.2.

A single specimen in the western Terai, 3-2-26.

359. **Caltoris cahira austeni** M. (W)

Evans 97.9. Cat. M. 7.5.

Two specimens from the Valley. Khatmandu, 4,500 ft., 16-10-37, Godaveri, 5,000 ft., 20-10-36.

360. **Caltoris tulsii tulsii** DeN. (W)

Evans 97.13. Cat. M. 7.12.

Khatmandu, 4,500 ft., 16-10-37, 27-10-37.

361. **Polytremis eltola eltola** Hew.

Evans 97.21. Cat. M. 5.11.1.

Common in the Valley, April to October, and on the surrounding hills at 7,000 ft. in August.

362. **Pelopidas sinensis** Mab.

Evans 97.30. Cat. M. 4.1.

Common in the Valley and up to 7,000 ft. on the surrounding hills, June to August, a few in April.

363. **Pelopidas mathias mathias** F.

Evans 97.31. Cat. M. 4-5.

Several in the Valley, September and October; a few brought in from Yarsa, north Nepal, 5-8-35; in the Terai at lower elevations December and January.



**364. *Parnara guttatus mangala* M.**

Evans 97.32. Cat. M. 2.1.

Very common in the Valley and on the surrounding hills, July to October; a few in March and May. A pair *in copula* at Khatmandu, 26-9-37.

**365. *Borbo bevani* M.**

Evans 97.34. Cat. M. 3.3.

Common everywhere March to October; a pair *in copula* at Nagarkot, 6,000 ft., 9-9-35.

Since compiling this list I have seen a fine collection of Nepal butterflies which has been presented to the British Museum by Colonel D. G. Lowndes who was a member of Tilman's expedition to Nepal in 1950. This includes an interesting *Parnassius delphius* and several *Coleas* which are quite different to any I obtained. In fact, it was clear that my collectors did not venture high enough to get such things.