CHAPTER VII

DESCRIPTION OF RECORDED SPECIES

The morphological description is made from the documented and collected specimens in the field and reference specimens available at the Natural History Museum, Kathmandu. For overall altitudinal range and global distribution Smith (1989), Khanal and Smith (1997) and Talbot (1975) were consulted.

Family: Papilionidae


_Chilasa epycides_ Hewitson: Wing span: 70-90 mm. Dull black with some what dingy white markings. Forewing with 2-celled streak that diverge outward from the base and
reach the apex. HW with cell white, two short black lines longitudinally. Elevation: 1390 –2090 mm. Status: Rare. Distribution: Nepal, Sikkim and Burma to West China and Formosa. Season of occurrence: March to April.


*Papilio protenor* Cramer: Wing span: 90 – 120 mm. Hind wing with broad white sub costal stripe, below with large tornal patch and sub marginal rings with marginal spots. Elevation: up to 1820 m. Status: Uncommon. Distribution: Formosa, Hainan, China to Tongking, Burma, Nepal and India. Season of occurrence: March to September.


Parnassius epaphus Oberthur: Expanse: 38 – 50 mm. White with narrow marginal bands. Hind wing with red ocelli and spots slightly dusted red. Elevation: 3757 – 4500 m. Status:
Rare. Distribution: Chitral to Bhutan, South-east China and Nepal. Season of occurrence: June to August.

**Family: Pieridae**


*Delias belladona* Fabricius: Wing span: 76-90 mm. The cell patch of Hind wing underside being entirely yellow. Yellow basal costal patch on Hind wing being shorter and rounded not distally produced. Elevation: 600 – 2580 m. Status; Common. Distribution: Kulu to Kumaon, Nepal. Season of occurrence: April, May, August to November.

*Delias pasithoe* Linnaeus: Wing span: 69-92 mm. Presence of red sub-basal band on the hind wing underside while the upper side of this wing is without a rd patch. Upper side of both the wings with a bluish grey discal band and a disco- cellular dot. Elevation: 600 – 2270 m. Status: Common, Distribution: Nepal to Assam and Burma, Southwest China and Yunnan. Season: January, March to May, August.

Burma, Siam, Annam, Saigon, and Cochin-China. Season of occurrence: February to December.

**Delias agostina** Hewitson: Wing span: 64-78 mm. Upper side white, forewing with black apical area which narrows to a point at vein 2 or 3 with five small sub marginal spots. Hindwing without markings. Elevation: 900 – 1515 m. Status: Rare. Distribution: Nepal to lower Burma Siam, Tongking, and Khasi Hills. Season of occurrence: March to April.

**Delias eucharis** Drury: Wing span: 66-83 mm. black veins on Forewing, sub marginal black lines, three anterior spots are elongated, 5th and 6th more traingulat. Hind wing with a sub marginal black line from vein 2 to vein 6. Elevation: up to 2120 m. Status: Rare. Distribution: Ceylon and Peninsular India up to lower slopes of Himalayas. Season of occurrence: May, September to October.

**Delias hyparete** Linnaeus: Wing span: 72-88 mm. Upper side with veins black on Forewing, black sub-apical area not reaching cell, less distinct white or dusky spots in this area. Hind wing slightly marginal black, veins blackened distally. Expanse: 72-88 mm, Elevation: up to 1820 m. Status: Common, Distribution: Kumaon to Burma, Siam, Tongking, Annam and Cochin. Season of occurrence: July, September, November.

**Cepora nerissa** Fabricius: Wing span: 40-55 mm. Upper side of Forewing with apical black area with prominent white spots. Hind wing with marginal black border dentate on the inner edge. Elevation: up to 1340 m. Status: Common, Distribution: Ceylon and Peninsular India to the Northwest province of Nepal. Season: June-October.


**Pieris canidia** Sparrman: Wing span: 40-55 mm. Male has one and female with two black spots on upper Forewing, also usually black marginal spots on the Hind wing. Elevation: 1363 – 2120 m. Status: Common, Distribution: Turkistan to India, China, Malaya Peninsula, Nepal, Season of occurrence: March-December.

**Pontia daplidice** Linnaeus: Wing span: 40-55 mm. Above white, Forewing has black costal spot at end cell, female also has a lower discal one. Apex black with white spots.


*Appias lyncida* Boisduval: Wing span: 45-60 mm. White above, females mostly brown. Below the hind wings are yellow with chocolate borders and Forewing white a pre-apical yellow spot. Elevation: 1360-1575 m. Status: Rare, Distribution: Ceylon to Peninsular India to Sikkim, Burma, Nicobar Island extending to the Malaya Peninsula, Philippines, Celebes, Timor and Nepal. Season of occurrence: May, August – November.

*Belenois aurota* Fabricius: Wing span: 40-50 mm. Male white with ends of veins darkened, joined near apex of Forewing which also has spot end cell; female all markings heavier, no lower discal spot, under hind wing yellow with black veins. Elevation: 1360 - 2272 m. Status: Common, Distribution: Ceylon, India (except Assam and Burma, Nicobar Island to Palestine and Africa, Nepal, Season of occurrence: May- June.

*Pareronia valeria* Fabricius: Wing span: 55-60 mm. Male very pale blue with dark veins an margins. The female is less blue and more checkered. Elevation: 1336 -5500 ft. Status: Rare, Distribution: India to Burma and Hainan, South Philippines, Nepal. Season of occurrence: March, April, May.


*Catopsilia pyranthe* Linnaeus: Wing span: 50-60 mm. White above and very faintly mottled below. Forewing tips of female slightly darkened. Elevation: 1330 -1395 m.

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Gonepteryx rhamni Doubleday: Wing span: 50-55 mm. Male yellow, female creamy white with small orange dots at end cells. The forewing has a tooth below the apex, and the hind wing a small one at tornus. Elevation: 1363 -2700 m. Status: Common. Distribution: Chitral to North Burma, Mussoorie and Murree, Baluchistan and North Waziristan, Europe to Central Asia and West Siberia, India, Nepal. Season of occurrence: March- November.


Eurema laeta Moore: Wing span: 38- 45 mm. Above yellow with dark borders only on forewing, tips pointed. No spot below forewing and hind wing which is often pinkish has a faint transverse band. Elevation: 1545 -2121 m. Status: Common, Distribution: Ceylon, India, Burma, North China, Japan and the Amur, South to Hainan, Tong king, Java, Philippines, Timor to Kei Islands. Season of occurrence: April. June, August, September-November.


Family: Lycaenidae


Esakiozephyrus icana Moore: Wing span: 30—40 mm. Male above black edged dull green. Female is dark brown above with two small orange discal spots, below brown with wide darker discal bands, orange tornal spots. Elevation: 1818- 2275 m. Distribution: Kulu to Kumaon, Nepal, Western China. Season of occurrence: August.


Chrysozephyrus disparatus Howarth: 30-32 mm. Above of male shining emerald green with very narrow black border, female brown with blue and orange forewing discal spots.

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Below dull brown with narrow white lines. Elevation: 1848 - 2060 m, Status: Rare. Distribution: 1848 – 2060 m. Season of occurrence: June.


*Chrysozephyrus birupa* Moore: Wing span: 30-35 mm. Shiny green male, thick black margin almost white below. Female dark with bluish white and orange discal spot on forewing. Elevation: 1484 m – 2121 m. Status: Rare. Distribution: West and Central Himalaya. Season of occurrence: May- August.


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Iraota timeleon Stoll: Wing span: 30-40 mm. Silver streak is distinct under forewing, the hind wing also has silver streak, tailed. Upperside dark metallic blue and black. Elevation: 1545 –1818 m. Status: Common. Distribution: India, Ceylon, Nepal and China. Season of occurrence: April – September, November and December.


*Rapala pheritima* Hewitson: Wing span: 30- 35 mm. Copper red male, apex dark, below ochreous brown with prominent bar. Female dull above and browner below, wings wider and less pointed. Elevation: 1545– 1575 m. Status: Rare. Distribution: Malaya, Sumatra, Borneo, India and Nepal. Season of occurrence: April, June, October and December.


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**Celastrina transpecta** Moore: Wing span: 25 – 32 mm. Dark borders above with shining blue disc in male, female with white complete marginal spots on both wings. Elevation: 1363–2727 m. Status: Rare. Distribution: Sikkim, Assam, Nepal and Burma. Season of occurrence: January to November.


**Oreolyce vardhana** Moore: Wing span: 30 – 33 mm. Dusky blue white on disc and fore wing, border brown. Below white, the black discal spots on the fore wing shifted to below apex. Elevation: 2272–2696 m. Status: Rare. Distribution: Western Himalayas to Kashmir, Nepal. Season: May, June, August, and September.


Family: Libytheidae


Family: Nemeobiidae


Dodona egeon Westwood: Wing span: 35 – 42 mm. Dark brown male with orange streaks, silver below. Hind wing with lobes and tails. Female much lighter and hind wing


**Family: Acreidæ**

Family Nymphalidae


*Issoria issaea* Doubleday: Wing span: 40 – 48 mm. Orange checkered with black spots upper side. Hindwing with angular silver spots. Female similar to male but with more


*Aglais cashmirensis* Kollar: Wing span: 42 -50 mm. Bases, Margins, and costal spots of forewing black, yellow between costal spots and the rest orange. Forewing and Hind wing


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**Hypolymnas missipus** Linnaeus: Wing span: 50 – 60 mm. Male velvety black with white discal patch and forewing with apical spots. Female tawny, forewing with black tops, pre-apical white bands, hind wing with only one black costal spot. Elevation: 1360 –2090 m. Status: Rare. Distribution: America, West Indies, Africa, Syria, India to Malaysia, Nepal, and Hong Kong. Season of occurrence: May, September, October.


**Sumalia danava** Moore: Wing span: 50 – 65 mm. Male brown, darker towards the base of both wings. Female with two white bands across both wings. Forewing apex and hind

*Sumalia dudu* Westwood and Doubleday: Wing span: 50- 60 mm. Dark brown above with a single broad white band across both wings. Below same white band, rest of the wings is mottled purple and brown. Elevation: 1424-2151 m. Status: Rare. Distribution: Sikkim, Assam, Burma, Formosa, Hong Kong, Nepal. Season of occurrence: April – August, October.


*Athyma cama* Moore: Wing span: 50-65 mm. Male velvety black with single white band, a small apical orange spot on forewing. Female with orange stripe, cell streak undivided.
Elevation: 1424–2121 m. Status: Rare. Distribution: Himalaya from Mussoorie to Assam and North Burma, Nepal. Season of occurrence: April, May, July to November.

*Pantoporia hordonia* Stoll: Wing span: 40 – 48 mm. Dark brown above with orange stripes which are not clearly visible below often purple mottled. Elevation: 1424–1515 m. Status: Rare. Distribution: South India to Burma, Nepal, Thailand and Malaysia. Season of occurrence: April.


Neptis nycteus DeNiceville: Wing span: 48 – 58 mm. Forewing with hockey steak like marking but crossed by a dark vein. Below orange brown band and white and purple


*Euthalia aconthea* Cramer: Wing span: 50 – 60 mm. Above, brown, basal half of the wings slightly darker, a row of small white spots on forewing just beyond cell. Underside, brown. Hind wing of both sexes have a post discal row of separated spots. Elevation: 1363–1515 m. Status: rare. Distribution: Bengal to Assam, Nepal, Ceylon, Burma, Malaya, Java and Bali. Season of occurrence: May to August.


*Euthalia sahadeva* Moore: Wing span: 68 – 90 mm. Male greenish bronze with discal bands of yellow spots. Female dark green with regular broad white discal band on


_Dilipa morgiana_ Westwood: Wing span: 52 – 57 mm. Above, golden yellow with dark bases, borders. Fore wing has discal band and two pre-apical white dots. Female is similar but less bright and broader wings. Elevation: 1393–2730 m. Status: Rare. Distribution: Nepal, Kashmir to Burma. Season of occurrence: March to August.


_Diagora persimilis_ Westwood: Wing span: 55 – 60 mm. Above and below white with black marking. A regular series of white marginal spots on both wings. Forewing cell has


*Polyura athamus* Drury: wing span: 50 – 58 mm. Creamy white disc above with borders heavily black and minute spots on forewing pre apex (single) and hind wing margin which has two teeth. Below pale greenish with wide dark brown borders. Elevation: 1393–1696 m. Status: Common. Distribution: Ceylon, Kulu, Nepal, Burma, Thailand, Malaysia and South China. Season of occurrence: August to October.

**Family: Satyridae**


*Lethe rohria* Fabricius: Wing span: 48 – 58 mm. Plain brown male, female with white band from above tornus to mid costa. Below irregular ocelli and bands in black, brown

*Lethe confusa* Aurivillius: Wing span: 48- 58 mm. Black, forewing with discal band from tornus to mid-costa. Under hind wing with unequal marginal ocelli, the apical one being larger, also a straight yellow discal line. Elevation: 1393–1606 m. Status: Common. Distribution: Himalayas, Assam, Nepal, Burma, Tong king, Siam, Malaya to Java, Hainan, Southern and western China. Season of occurrence: March, April, June, August to November.


*Lethe latiaris* Hewitson: Wing span: 55 mm. Plain brown, male has distinctive tuft hairs on the hind wing. Female has pale brown forewing band (white beneath) and two yellowish apical dots. Elevation: 1575–1666 m. Status: Rare. Distribution: Nepal, Sikkim to Karen Hills and Tong king. Season of occurrence: May to June.

Sikkim to Assam, Northern Burma. Season of occurrence: May to June, August to October.

\textit{Zophoessa sidonis} Hewitson: Wing span: 45-55 mm. Above dark brown, below equally dark with light bands and ocelli. Hind wing ocelli are not all equal and there are few small pre-apical forewing ocelli. Elevation: 1515–2454 m. Status: Common. Distribution: North-west Himalaya, Afghanistan, Shan States, South-east Tibet and Nepal. Season of occurrence: May, June, October.


Orsotrioena medus Fabricius: Wing span: dark brown above, no ocelli, discal line from below. Two forms, one with and one without discal line. Creamy discal line across both wings. Two ocelli on each wing. Elevation: 1363–1515 m. Status: Common. Distribution:
Indo Australian region, Nepal, Sikkim to Burma, Andaman Island, Tong king, Hainan, Australia to New Zealand. Season of occurrence: March to April, July to October.

*Ypthima sakra* Moore: Wing span: 40 – 45 mm. Rings under hind wing, 3 tornal ones are in a straight line. No brand on upper fore wing, contains double apical ocellus above and below. Elevation: 1515 – 2121 m, Status: Common. Distribution: North-west Himalaya to Assam, Nepal, Burma and South-east Tibet. Season of occurrence: April to October.

*Ypthima hanyngtoni* Eliot: Wing spam: 42 – 45 mm. This has similar underside spots to the Himalayan Five-rings but also a male brand (obscure) on the upper wing. Elevation: 1575 m. Status: Rare. Distribution: Western Himalayas from Kangara to Mussoorie, Nepal. Season of occurrence: June.

*Ypthima baldus* Fabricius: Wing span: 30 – 35 mm. Tornal ocellus on the underwing in much nearer the margin than the other two which are out of line. Elevation: 1363–2121 m. Status: Common. Distribution: India, Nepal, Burma to Malaya, java, Celebes, Philippines, Borneo, Formosa, Japan and China. Season of occurrence: February to October.


*Dallacha hyagriva* Moore: Wing span: 43 – 48 mm. Upper side brown with apical fore wing and tornal hind wing ocelli. Underside pale brown, fore wing ocellus corresponding, but hind wing has 2 pairs of apical and tornal ocelli. Elevation: 1363–1970 m. Status:


**Callerebia scanda** Kollar: Wing span: 52 – 58 mm. Above usually dark brown with obscure ocelli, below with two clear tornal ocelli. There is white frosting and also distinct dots on the under hind wing. Elevation: 2696–2730 m. Status: Common. Distribution: Nepal, Kashmir to Kumaon, Sikkim. Season of occurrence: August to October.

**Aulocera loha** Dohertyi: Wing span: 60 – 65 mm. Above black with white discal bands (on hind wing also), extra white spot inside the forewing apical ocellus. Elevation: 2696–2730 m. Status: Rare. Distribution: Kumaon to Assam and Nepal. Season of occurrence: August to October.


**Aulocera brahminus???:** Wing span: 55 – 65 mm. Wings rounded, outer margin convex. Upper side of fore wing with the inner edged discal white spots is 1 to 4 in line. Hind
wing with band narrow and even. Elevation: 3500 m. Status: Rare. Distribution: Kashmir to Mussoorie, Nepal. Season of occurrence: July to August.

_Aulocera padma_ Kollar: Wing span: 70 – 85 mm. Wings produced forewing with outer margin straight, fore wing upper side with white bands, inner edge of discal spots in area 1 to 3 placed nearer the base. Hind wing with bands of even width. Elevation: 1515 –2730 m. Status: Rare. Distribution: Kashmir to Sikkim and west China, Mussoorie and Nepal. Season of occurrence: April to October.

**Family: Danaidae**


*Danaus tytia* Gray: Wing span: 85 – 100 mm. White forewing with black veins, hind wing chestnut coloured, cells of forewing clear and open. Male brand on hind wing


**Family: Hesperiidae**


**Notocrypta feisthameli** Boisduval: Wing span: 38- 42 mm. Above black and below darker more uniform brown, the forewing discal band is straight not reaching costa. Elevation: 1363 –1940 m. Status: Common. Distribution: Kangara, Sikkim, Simla, Assam, Burma, Nepal and Malaya. Season of occurrence: April to September.


Telicota bambusae Moore: Wing span: 25 – 28 mm. Orange and black, spots joined on fore wing to make a complete orange patch surrounding a black diagonal streak on which male has a brand. Elevation: 1363 –1575 m. Status: Common. Distribution: South India to Kumaon, Sikkim to Assam, Nepal, Burma and Malaya. Season of occurrence: March, July, September and November.


Pelopidas sinensis Mabille: Wing span: 33 – 38 mm. dark upper side, below pale brown, creamy white spots above but silvery under hind wing. Two cell spots on fore wing under which male has brand. Elevation: 1333–2121 m. Status: Common. Distribution: Kulu, Kumaon, to Sikkim, Nepal, Assam. Shanghai, South west China, Nepal. Season of occurrence: March to April, June to September.
