

ADDITIONS TO THE BUTTERFLIES OF KEOLADEO NATIONAL PARK, BHARATPUR, RAJASTHAN

Muhammed Jafer Palot and V.P. Soniya

Zoological Survey of India, Freshwater Biological Station, I-1-300/
B, Ashok Nagar, Hyderabad, Andhra Pradesh 500020, India.
Email: jaferpalot@yahoo.com

Previous field studies revealed 34 species of butterflies in the 29 km² Keoladeo National Park, Bharatpur (Palot & Soniya, 2000). Further survey during the month of December, 1999 (1-7), added six more species to the list, increasing the total to 40 species.

The notable addition to the list is the Common Crow (*Euploea core*) observed in large numbers along the road from Barrier (Entry) to the Keoladeo Temple. Satyrids like Common Evening Brown (*Melanitis leda*) and Dark Brand Bushbrown (*Mycalasis mineus*) were also observed in fairly good numbers. Zebra Blue (*Syntaureus plinius*) and Pointed Pierrot (*Tarucus theophrastus*) were the lycaenids added to the list. The Bank's Swift (*Baoris kumara*) was the only hesperiid observed during the present survey. This species was observed to be associated with the nectary blue flowers of *Hygrophila auriculata*, a common spiny herb, found along the bund and trek paths lining the wetland regions in the Park.

During winter, the activities of butterflies were more during the sunny hours and the population seemed to be apparently more confined to the sunlit areas of the Park. A notable feature was the absence of common species like Lemon Butterfly (*Papilio demoleus*), Little Orange Tip (*Colotis etrida*), Plain Orange Tip (*Colotis eucharis*), Crimson Tip (*Colotis danae*), Lemon Emigrant (*Catopsilia pomona*) and Common Castor (*Ariadne merione*), while abundance of Common Crow (*Euploea core*), Blue Tiger (*Tirumala limniace*), Danaid Eggfly (*Hypolimnas misippus*) were noticed. A detailed systematic list with occurrence during summer survey (13-24 April 1999) and winter survey (1-7 December) is given in Table 1.

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Table 1. Systematic list of butterflies from Keoladeo National Park, Bharatpur, Rajasthan.

Scientific Name	Common Name	Apr.	Dec.
Papilionidae			
<i>Pachliopta aristolochiae</i> Fabricius	Common Rose	P	P
<i>Papilio demoleus</i> Linnaeus	Lime Butterfly	P	A
<i>Papilio polytes</i> Linnaeus	Common Mormon	P	P
Pieridae			
<i>Anaphaeis aurota</i> Fabricius	Caper White	P	P
<i>Catopsilia pomona</i> Fabricius	Lemon Emigrant	P	A
<i>Catopsilia pyranthe</i> Linnaeus	Mottled Emigrant	P	P
<i>Cepora nerissa</i> Fabricius	Common Gull	P	P
<i>Colotis amata</i> Fabricius	Small Salmon Arab	P	P
<i>Colotis danae</i> Fabricius	Crimson Tip	P	A
<i>Colotis etrida</i> Boisduval	Little Orange Tip	P	A
<i>Colotis eucharis</i> Fabricius	Plain Orange Tip	P	A
<i>Colotis vestalis</i> Butler	White Arab	P	P
<i>Eurema brigitta</i> Wallace	Small Grass Yellow	P	P
<i>Eurema hecabe</i> Moore	Common Grass Yellow	P	P
<i>Ixias marianne</i> Cramer	White Orange Tip	P	P
<i>Ixias pyrene</i> Fabricius	Yellow Orange Tip	P	P
<i>Leptosia nina</i> Fabricius	Psyche	P	P
<i>Madais fausta</i> Wallengren	Great Salmon Arab	P	P
Danaidae			
<i>Danaus chrysippus</i> Linnaeus	Plain Tiger	P	P
<i>Danaus genutia</i> Cramer	Striped Tiger	P	P
<i>Euploea core</i> Cramer	Common Crow	A	P
<i>Tirumala limniace</i> Gmelin	Blue Tiger	P	P
Satyridae			
<i>Melanitis leda</i> Drury	Common Evening Brown	A	P
<i>Mycalasis mineus</i> Cramer	Dark Brand Bushbrown	A	P
Lycaenidae			
<i>Azanus ubaldus</i> Cramer	Bright Babul Blue	P	A
<i>Euchrysops cnejus</i> Fabricius	Gram Blue	P	A
<i>Syntaureus plinius</i> Fabricius	Zebra Blue	A	P
<i>Tarucus theophrastus</i> Fabricius	Pointed Pierrot	A	P
<i>Zizina otis</i> Butler	Lesser Grass Blue	P	P
<i>Zizula hylax</i> Fabricius	Tiny Grass Blue	P	A
Nymphalidae			
<i>Ariadne merione</i> Cramer	Common Castor	P	A
<i>Hypolimnas misippus</i> Linnaeus	Danaid Eggfly	P	P
<i>Junonia almana</i> Linnaeus	Peacock Pansy	P	P
<i>Junonia atlites</i> Linnaeus	Grey Pansy	P	P
<i>Junonia hierta</i> Fabricius	Yellow Pansy	P	P
<i>Junonia lemonias</i> Linnaeus	Lemon Pansy	P	P
<i>Junonia orithya</i> Butler	Blue Pansy	P	P
<i>Phalantha phalantha</i> Drury	Common Leopard	P	P
Hesperiidae			
<i>Baoris kumara</i> Moore	Bank's Swift	A	P
<i>Suastus gremius</i> Fabricius	Indian Palm Bob	P	A

P - Present, A - Absent

Reference

Palot, M.J. and V.P. Soniya (2000). Preliminary report on the Butterflies of Keoladeo National Park, Bharatpur, Rajasthan, India. *Zoos' Print Journal* 15(6): 287-288.