

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

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Previous field studies in the National Park revealed 34 species of butterflies in the 29sq.km. Keoladeo National Park, Bharatpur (Palot & Soniya, 2000). Further, survey during the winter month of December, 1999 (1-7), added six more species to the list, making a total of 40 species from the Park. 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 treckpaths lining the wetland regions.

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, 1999) is given in Table 1.

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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.

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 polytes</i> Linnaeus | Common Mormon | P | P |
| <i>Papilio demoleus</i> Linnaeus | Lime Butterfly | P | A |
| Pieridae | | | |
| <i>Leptostia nina</i> Fabricius | Psyche | P | P |
| <i>Cepora nerissa</i> Fabricius | Common Gull | P | P |
| <i>Anaphaeis aurota</i> Fabricius | Caper White | P | P |
| <i>Colotis amata</i> Fabricius | Small Salmon Arab | P | P |
| <i>Colotis etrida</i> Boisduval | Little Orange Tip | P | A |
| <i>Colotis eucharis</i> Fabricius | Plain Orange Tip | P | A |
| <i>Colotis danae</i> Fabricius | Crimson Tip | P | A |
| <i>Colotis vestalis</i> Butler | White Arab | P | P |
| <i>Madais fausta</i> Wallengren | Great Salmon Arab | P | P |
| <i>Ixias marianne</i> Cramer | White Orange Tip | P | P |
| <i>Ixias pyrene</i> Fabricius | Yellow Orange Tip | P | P |
| <i>Catopsilia pomona</i> Fabricius | Lemon Emigrant | P | A |
| <i>Catopsilia pyranthe</i> Linnaeus | Mottled Emigrant | P | P |
| <i>Eurema brigitta</i> Wallace | Small Grass Yellow | P | P |
| <i>Eurema hecabe</i> Moore | Common Grass Yellow | P | P |
| Danaidae | | | |
| <i>Danaus chrysippus</i> Linnaeus | Plain Tiger | P | P |
| <i>Danaus genutia</i> Cramer | Striped Tiger | P | P |
| <i>Tirumala limniace</i> Gmelin | Blue Tiger | P | P |
| <i>Euploea core</i> Cramer | Common Crow | A | 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>Zizina otis</i> Butler | Lesser Grass Blue | P | P |
| <i>Zizula hylax</i> Fabricius | Tiny Grass 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 |
| Nymphalidae | | | |
| <i>Ariadne merione</i> Cramer | Common Castor | P | A |
| <i>Phalantha phalantha</i> Drury | Common Leopard | P | P |
| <i>Junonia hierta</i> Fabricius | Yellow Pansy | P | P |
| <i>Junonia orithya</i> Butler | Blue Pansy | P | P |
| <i>Junonia lemonias</i> Linnaeus | Lemon Pansy | P | P |
| <i>Junonia almana</i> Linnaeus | Peacock Pansy | P | P |
| <i>Junonia atlites</i> Linnaeus | Grey Pansy | P | P |
| <i>Hypolimnas misippus</i> Linnaeus | Danaid Eggfly | P | P |
| Hesperidae | | | |
| <i>Suastris gremius</i> Fabricius | Indian Palm Bob | P | A |
| <i>Baoris kumara</i> Moore | Bank's Swift | A | P |

P - Present; A - Absent.