

Subspecies Catalogue of the Butterflies of India (Papilionidae) A Synopsis

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Family PAPILIONIDAE Subfamily PAPILIONINAE

Tribe TROIDINI

(1) Genus *Losaria* Moore, 1902

1. *Losaria coon* (Fabricius, 1793)
 - i. *L. c. cacharensis* (Butler, 1885) - Assam, Meghalaya
 - ii. *L. c. sambilanga* (Doherty, 1886) - Nicobar Is.
2. *Losaria rhodifer* (Butler, 1876) - Andaman Is.

(2) Genus *Pachliopta* Reakirt, 1865

1. *Pachliopta hector* (Linnaeus, 1758) - Peninsular India to W. Bengal. Straggler on Andamans.
2. *Pachliopta pandiyana* (Moore, 1881) - Western Ghats south of Goa.
3. *Pachliopta aristolochiae* (Fabricius, 1775)
 - i. *P. a. aristolochiae* (Fabricius, 1775) - Throughout India
 - ii. *P. a. sawi* (Evans, 1932) - Car Nicobar Is.
 - iii. *P. a. goniopeltis* (Rothschild, 1938) - Andaman Is.
 - iv. *P. a. camorta* (Moore, 1877) - Central Nicobar Is.
 - v. *P. a. kondulana* (Evans, 1932) - South Nicobar is.

(3) Genus *Troides* Hübner, 1819

1. *Troides helena* (Linnaeus, 1758)
 - i. *T. h. cerberus* (C. & R. Felder, 1865) - Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Orissa, Mizoram, Sikkim, Tripura, W. Bengal.
 - ii. *T. h. heliconoides* (Moore, 1877) - Andaman Is.
 - iii. *T. h. ferrari* Tytler, 1926 - South Nicobar Is.
2. *Troides minos* (Cramer, 1779) - Western Ghats south of Maharashtra.
3. *Troides aeacus* (C. & R. Felder, 1860)
 - i. *T. a. aeacus* (C. & R. Felder, 1860) - Arunachal Pradesh, Assam, Nagaland, Manipur, Meghalaya, Mizoram,

Tripura, Sikkim, Uttarakhand, W. Bengal.

(4) Genus *Atrophaneura* Reakirt, 1865

1. *Atrophaneura aidoneus* (Doubleday, 1845) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland, Sikkim, Tripura, Uttarakhand.
2. *Atrophaneura varuna* (White, 1842)
 - i. *A. v. astorion* (Westwood, 1842) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland, Sikkim, Tripura, Uttarakhand, W. Bengal.

(5) Genus *Byasa* Moore, 1882

1. *Byasa latreillei* (Donovan, 1826)
 - i. *B. l. latreillei* (Donovan, 1826) - ?Himachal Pradesh, ?Jammu & Kashmir, Sikkim, Uttarakhand, W. Bengal.
 - ii. *B. l. kabrua* (Tytler, 1915) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland.
2. *Byasa polla* (de Nicéville, 1897) - Arunachal Pradesh, Nagaland, Manipur.
3. *Byasa nevillei* (Wood-Mason, 1882) - Assam, ?Meghalaya.
4. *Byasa polyeuctes* (Doubleday, 1842)
 - i. *B. p. polyeuctes* (Doubleday, 1842) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
 - ii. *B. p. letincius* (Fruhstorfer, 1908) - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.
5. *Byasa dasarada* (Moore, 1858)
 - i. *B. d. dasarada* (Moore, 1858) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
 - ii. *B. d. ravana* (Moore, 1858) - Himachal Pradesh, Jammu & Kashmir, Sikkim, Uttarakhand.
6. *Byasa crassipes* (Oberthür, 1893) - Arunachal Pradesh,

Manipur.

7. *Byasa plutonius* (Oberthür, 1876)

i. *B. p. pembertoni* Moore, 1902 - ?Arunachal Pradesh, Sikkim, W. Bengal.

ii. *B. p. tytleri* Evans, 1923 - Manipur, Nagaland.

Tribe PAMILIONINI

(1) Genus *Papilio* Linnaeus, 1758

1. *Papilio agestor* Gray, 1831

i. *P. a. govindra* Moore, 1864 - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.

ii. *P. a. agestor* Gray, 1831 - Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, W. Bengal.

2. *Papilio epycides* Hewitson, 1864

i. *P. e. epycides* Hewitson, 1864 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.

3. *Papilio slateri* Hewitson, 1859

i. *P. s. slateri* Hewitson, 1859 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.

4. *Papilio paradoxa* (Zincken, 1831)

i. *P. p. telearchus* Hewitson, 1852 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.

5. *Papilio clytia* Linnaeus, 1758

i. *P. c. clytia* Linnaeus, 1758 - Throughout India except Jammu & Kashmir, Punjab and Rajasthan.

ii. *P. c. flavolimbatus* Oberthür, 1879 - Andaman Islands.

6. *Papilio polymnestor* Cramer, 1775

i. *P. p. polymnestor* Cramer, 1775 - Peninsular India as far north as W. Bengal, Madhya Pradesh and Gujarat.

7. *Papilio memnon* Linnaeus, 1758

i. *P. m. agenor* Linnaeus, 1758 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, South Nicobar Islands, Tripura, W. Bengal.

8. *Papilio mayo* Atkinson, 1874 - Andaman Islands.

9. *Papilio bootes* Westwood, 1842

i. *P. b. bootes* Westwood, 1842 Meghalaya.

ii. *P. b. mixta* Tytler, 1915 - Manipur, Nagaland.

iii. *P. b. janaka* Moore, 1857 - Arunachal Pradesh, Assam, Sikkim, Uttarakhand, W. Bengal.

10. *Papilio alcmenor* C. & R. Felder, 1865

i. *P. a. alcmenor* C. & R. Felder, 1865 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand, W. Bengal.

11. *Papilio protenor* Cramer, 1775

i. *P. p. euprotenor* Fruhstorfer, 1908 - Arunachal Pradesh, Assam, Himachal Pradesh, Jammu & Kashmir, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand,

W. Bengal.

12. *Papilio elephenor* Doubleday, 1845 - Assam.

13. *Papilio bianor* Cramer, 1777

i. *P. b. polyctor* Boisduval, 1836 - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.

ii. *P. b. ganesa* Moore, 1842 - Arunachal Pradesh, Assam, Sikkim, W. Bengal.

iii. *P. b. gladiator* Fruhstorfer, 1902 - Manipur, Meghalaya.

14. *Papilio paris* Linnaeus, 1758

i. *P. p. paris* Linnaeus, 1758 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Sikkim, Uttarakhand, W. Bengal.

ii. *P. p. tamilana* Moore, 1881 - Western Ghats as far north as Maharashtra.

15. *Papilio arcturus* Westwood, 1842

i. *P. a. arcturus* Westwood, 1842 - Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, W. Bengal.

ii. *P. a. arius* Rothschild, 1908 - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.

16. *Papilio krishna* Moore, 1858

i. *P. k. krishna* Moore, 1858 - Arunachal Pradesh, Sikkim, W. Bengal.

ii. *P. k. manipuri* Tytler, 1939 Manipur.

17. *Papilio crino* Fabricius, 1793 - Peninsular India as far north as W Bengal.

18. *Papilio buddha* Westwood, 1872 - Western Ghats as far north as Goa.

19. *Papilio dravidarum* Wood-Mason, 1880 - Western Ghats as far north as Goa.

20. *Papilio castor* Westwood, 1842

i. *P. c. castor* Westwood, 1842 - Assam, Manipur, Meghalaya, Mizoram, Nagaland.

ii. *P. c. polias* Jordan, 1909 - Arunachal Pradesh, Sikkim, W. Bengal.

21. *Papilio helenus* Linnaeus, 1758

i. *P. h. helenus* Linnaeus, 1758 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand, W. Bengal.

ii. *P. h. daksha* Hampson, 1889 - Western Ghats south of Gujarat.

22. *Papilio nephelus* Boisduval, 1836

i. *P. n. chaon* Westwood, 1844 - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Sikkim, Tripura, W. Bengal.

23. *Papilio prexaspes* C. & R. Felder, 1865

i. *P. p. andamanicus* Rothschild, 1908 - Andaman Islands.

24. *Papilio polytes* Linnaeus, 1758

- i. *P. p. romulus* Cramer, 1775 - Throughout mainland India.
 - ii. *P. p. stichoides* Evans, 1912 - Andaman Islands.
 - iii. *P. p. nikobarus* C. Felder, 1863 - Nicobar Islands.
25. *Papilio liomedon* Moore, 1875 - Western Ghats as far north as Goa
26. *Papilio demoleus* Linnaeus, 1758
- i. *P. d. demoleus* Linnaeus, 1758 - Throughout India below 2000m elevation.
27. *Papilio machaon* Linnaeus, 1758
- i. *P. m. asiatica* Ménétériès, 1855 - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.
 - ii. *P. m. ladakensis* Moore, 1884 - Jammu & Kashmir (high altitude).
 - iii. *P. m. verityi* Fruhstorfer, 1907 - Arunachal Pradesh, Manipur, Meghalaya, Nagaland.
 - iv. *P. m. hookeri* Gaonkar, 1999 - Sikkim, W. Bengal (high altitude).

Tribe LEPTOCIRCINI

(1) Genus *Graphium* Scopoli, 1777

- 1. *Graphium eurous* (Leech, 1893)
 - i. *G. e. caschmirensis* Rothschild, 1895 - Himachal Pradesh, Jammu & Kashmir, Uttarakhand.
 - ii. *G. e. sikkimica* Heron, 1899 - Arunachal Pradesh, ?Manipur, Meghalaya, ?Nagaland, Sikkim, W. Bengal.
- 2. *Graphium mandarinus* (Oberthür, 1879)
 - i. *G. m. garhwalia* (Katayama, 1988) - Uttarakhand.
 - ii. *G. m. paphus* (de Nicéville, 1886) - Arunachal Pradesh, Sikkim, W. Bengal.
- 3. *Graphium agetes* (Westwood, 1843)
 - i. *G. a. agetes* (Westwood, 1843) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
- 4. *Graphium nomius* (Esper, 1799)
 - i. *G. n. nomius* (Esper, 1799) - Delhi, Rajasthan, Sikkim, Uttarakhand, Uttar Pradesh, Bihar, throughout drier parts of Southern India to W. Bengal.
 - ii. *G. n. swinhoei* (Moore, 1878) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.
- 5. *Graphium aristeus* (Stoll, 1781)
 - i. *G. a. anticrates* (Doubleday, 1846) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
- 6. *Graphium antiphates* (Cramer, 1775)
 - i. *G. a. naira* (Moore, 1903) - Western Ghats as far north as Goa
 - ii. *G. a. pompilius* (Fabricius, 1787) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.

- 7. *Graphium epaminondas* (Oberthür, 1789) - Andaman Islands.
- 8. *Graphium cloanthus* (Westwood, 1841)
 - i. *G. c. cloanthus* (Westwood, 1841) - Throughout the Himalaya and N.E. India.
- 9. *Graphium sarpedon* Linnaeus, 1758
 - i. *G. s. sarpedon* Linnaeus, 1758 - Throughout the Himalaya and N.E. India.
 - ii. *G. s. teredon* (C. & R. Felder, 1864) - W. Ghats as far north as Gujarat; ?Madhya Pradesh.
- 10. *Graphium doson* (C. & R. Felder, 1864)
 - i. *G. d. axion* (C. & R. Felder, 1864) - along the Himalaya from Uttarakhand to Arunachal Pradesh and N.E. India. ?Delhi.
 - ii. *G. d. eleius* (Fruhstorfer, 1907) - S. India to W. Bengal.
- 11. *Graphium evemon* (Boisduval, 1836)
 - i. *G. e. albociliatis* (Fruhstorfer, 1901) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.
- 12. *Graphium eurypylus* (Linnaeus, 1758)
 - i. *G. e. acheron* (Moore, 1885) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
 - ii. *G. e. macronius* (Jordan, 1909) - Andaman Islands.
- 13. *Graphium chironides* (Honrath, 1884)
 - i. *G. c. chironides* (Honrath, 1884) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, W. Bengal.
- 14. *Graphium agamemnon* (Linnaeus, 1758)
 - i. *G. a. agamemnon* (Linnaeus, 1758) - Himalaya from Uttarakhand to Arunachal Pradesh, N.E. India.
 - ii. *G. a. menides* (Fruhstorfer, 1904) - S. India.
 - iii. *G. a. andamana* (Lathy, 1907) - Andaman Islands.
 - iv. *G. a. decoratus* (Rothschild, 1895) - Car and Central Nicobar Islands.
 - v. *G. a. pulo* (Evans, 1932) - S Nicobar Islands.
- 15. *Graphium macareus* (Godart, 1819)
 - i. *G. m. indicus* (Rothschild, 1895) - Sikkim, W. Bengal.
 - ii. *G. m. lioneli* (Fruhstorfer, 1902) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland.
- 16. *Graphium xenocles* (Doubleday, 1842)
 - i. *G. x. xenocles* (Doubleday, 1842) - Sikkim, Uttarakhand, W. Bengal.
 - ii. *G. x. phrontis* (de Nicéville, 1897) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.
- 17. *Graphium megarus* (Westwood, 1844)
 - i. *G. m. megarus* (Westwood, 1844) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland.

- (2) Genus *Lamproptera* Gray, 1832
 1. *Lamproptera curius* (Fabricius, 1787)
 i. *L. c. curius* (Fabricius, 1787) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.
 2. *Lamproptera meges* (Zinken, 1831)
 i. *L. m. virescens* (Butler, 1870) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland.

Tribe TEINOPALPINI

- (1) Genus *Meandrusa* Moore, 1888
 1. *Meandrusa lachinus* (Fruhstorfer, 1902)
 i. *M. l. lachinus* (Fruhstorfer, 1902) - Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, Uttarakhand, W. Bengal.
 2. *Meandrusa payeni* (Boisduval, 1836)
 i. *M. p. evan* (Doubleday, 1845) - Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland, Sikkim, W. Bengal.
 (2) Genus *Teinopalpus* Hope, 1843
 1. *Teinopalpus imperialis* Hope, 1843
 i. *T. i. imperialis* Hope, 1843 - Assam, Manipur, Meghalaya.
 ii. *T. i. himalaicus* Rothschild, 1898 - Arunachal Pradesh, Sikkim, W. Bengal.

Subfamily PARNASSIINAE

Tribe ZERYNTHIINI

- (1) Genus *Bhutanitis* Atkinson, 1873
 1. *Bhutanitis lidderdalii* Atkinson, 1873
 i. *B. l. lidderdalii* Atkinson, 1873 - Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, W. Bengal.

Tribe PARNASSIINI

- (1) Genus *Parnassius* Latreille, 1804
 [Hundreds of subspecies have been proposed from the Central Asian and Himalayan region in this genus, the validity and limits of which are yet to be finalised. Hence only species are shown below].
 1. *Parnassius maharaja* Avinov 1916
 2. *Parnassius delphius* Eversmann 1843
 3. *Parnassius stoliczkanus* C. & R. Felder 1864
 4. *Parnassius nandadevinensis* Weiss 1990
 5. *Parnassius staudingeri* Bang-Haas 1882
 6. *Parnassius stenosemus* Honrath 1890
 7. *Parnassius acdestis* Grum-Grshimailo 1891
 8. *Parnassius cephalus* Grum-Grshimailo 1891
 9. *Parnassius augustus* Fruhstorfer 1903
 10. *Parnassius charltonius* Gray 1852
 11. *Parnassius acco* Gray 1853
 12. *Parnassius hanningtoni* Avinov 1916
 13. *Parnassius simo* Gray 1853
 14. *Parnassius hardwickii* Gray 1831

15. *Parnassius jacquemontii* Boisduval 1836
 16. *Parnassius epaphus* Oberthür 1879
 17. *Parnassius actius* Eversmann 1843
 18. *Parnassius tianschanicus* Oberthür 1879

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(Fam. Papilionidae concluded).

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I, Dr. R.K. Varshney, hereby declare that the particulars given about are true to the best of my knowledge and belief.

Dated the 1st March, 2013.

Sd/-Dr. R.K. Varshney
 Signature of the
 publisher