

The same form as *F. virescens*, but the tegmina greener, with less numerous orange spots and with a yellow costal margin; wings scarlet. Length of body, exclusive of rostrum, 9 lines, of rostrum —?; expanse 2 inches 3 lines.

Sect. 6. *Species with pale greenish wings (subhyaline).*

27. *FULGORA VIRESCENS.*

Fulgora (Pyrops) virescens, Westwood, Ann. & Mag. Nat. Hist. ix. p. 119 (1842).

Fulgora (Hotina) virescens, Westwood, Orient. Ent. pl. iii. fig. 5 (1848).

Pyrops virescens, Walker, List Homopt. Ins. ii. p. 269. n. 5 (1851).

Hotinus semiannulus, Walker, List Homopt. Ins. Suppl. p. 42 (1858).

Cherra; N. India.

B.M.

28. *FULGORA CULTELLATA.*

Hotinus cultellatus, Walker, Journ. Linn. Soc. Zool. i. p. 143. n. 14 (1857).

Borneo.

Seems allied to *F. virescens* of Westwood.

DESCRIPTION OF PLATE XV.

Fig. 1. *Fulgora brevirostris*, p. 97.

2. — *gigantea*, p. 99.

3. — *stellata*, p. 100.

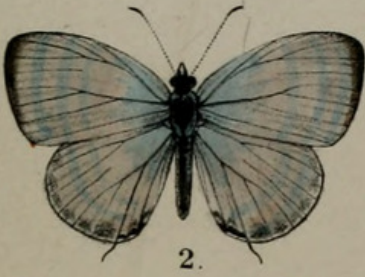
6. A List of the Lepidopterous Insects collected by Mr. L. Layard at Chentaboon and Nahconchaisee, Siam, with Descriptions of new Species. By HERBERT DRUCE, F.L.S., F.Z.S.

[Received December 23, 1873.]

(Plate XVI.)

This collection is interesting because it contains several species that we have only previously known from the Malayan region. It appears that Chentaboon is a most prolific locality. It is a mountainous and thickly wooded district 200 miles from Bangkok, on the east coast of the Gulf of Siam. All the butterflies from this place were collected during the month of September 1872. Those from Nahconchaisee, a flat clayey district, 18 miles from Bangkok, covered with long yellow grass, were obtained during the last few months of 1872.

The collection contained seventy-nine species (six of which I have described as new), representing 4 families, 6 subfamilies, and 40 genera, of which 38 species are from Chentaboon, and 24 from Nahcon-





chaisee, leaving 17 species common to both localities. The new species described are—*Euplœa layardi*, *Neptis nolana*, *Miletus irroratus*, *Cupido agnata*, *Ixias verna*, and *Taractrocera lineata*.

Family I. NYMPHALIDÆ, Westw.

Subfamily I. DANAINÆ, Bates.

Genus DANAIS, Lak.

1. D. LIMNIACE, Cram. (Pap. L.) Pap. Ex. i. t. 59 D, E (1779). Chentaboon.
2. D. SIMILIS, Linn. (Pap. S.) Mus. Ulr. p. 299 (1764). Nahconchaisee.
3. D. PLEXIPPUS, Linn. (Pap. P.) Mus. Ulr. p. 262 (1764). Chentaboon.
4. D. MELANIPPUS, Cram. (Pap. M.) Pap. Ex. ii. t. 127 A, B (1779). Chentaboon.
5. D. CHRYSIPPUS, Linn. (Pap. C.) Mus. Ulr. p. 263 (1764). Nahconchaisee.

Genus EUPLŒA, Fabr.

1. E. PHŒBUS, Butler, P. Z. S. 1866, p. 270, n. 3. Chentaboon. The type was from Penang.
2. E. CAMARALZEMAN, Butler, P. Z. S. 1866, p. 271, pl. xxix. f. 1. Chentaboon.
3. E. MODESTA, Butler, P. Z. S. 1866, p. 273. n. 13. Chentaboon and Nahconchaisee.
4. E. MÉNÉTRIESII, Feld. Wien, Ent. Mon. iv. p. 389. n. 15 (1860). Chentaboon. One specimen.
5. E. SIAMENSIS, Feld. Reise Nov. Lep. ii. p. 341, t. 41. f. 6 (1867). Chentaboon.
6. E. MARGARITA, Butl. P. Z. S. 1866, p. 279. n. 34. Chentaboon. Two specimens.
7. E. MIDAMUS, Linn. (Pap. M.) Mus. Ulr. p. 251 (1764). Chentaboon.
8. E. RHADAMANTHUS, Fab. (Pap. Rad.) Ent. Syst. iii. 1. p. 42. n. 127 (1793). Chentaboon. One specimen.
9. E. LAYARDI, n. s. (Plate XVI. fig. 1.)

Upperside brown, paler round the outer margin, fore wing with two whitish spots at the end of the cell, and a double row of white spots round the outer margin. Hind wing with a band of oval-

shaped white spots crossing it from the anal angle to the anterior margin, and a submarginal row of small white spots. Underside as above, except that all the white spots are plainer. Exp. 4 in.

Chentaboon. In Coll. H. Druce.

Subfamily II. SATYRINÆ, Bates.

Genus MELANITIS, F.

1. M. LEDA, Linn. (Pap. L.) Syst. Nat. i. 2. p. 773. n. 151 (1867).

Chentaboon. Three specimens.

Genus MYCALESIS, Hübn.

1. M. OTREA, Cr. Pap. Ex. ii. t. 314 A, B (1782).

Chentaboon.

2. M. LALASSIS, Hew. Ex. B. iii. *Myc.* t. 6. f. 35 (1864).

Nahconchaisee. One specimen.

Subfamily III. ELYMNIINÆ, Herr.-Schäff.

Genus ELYMNIAS, Hübn.

1. E. UNDULARIS, Drury, (Pap. Un.) Ill. Ex. Ent. ii. t. 10. f. 1, 2 (1773).

Nahconchaisee and Chentaboon.

2. E. LAIS, Cr. (Pap. L.) Pap. Ex. ii. t. 110 A, B (1779).

Nahconchaisee.

Subfamily IV. MORPHINÆ, Bates.

Genus AMATHUSIA, Fab.

1. A. PHIDIPPUS, Linn. (Pap. P.) Syst. Nat. i. 2. p. 752 (1769).

Chentaboon. One specimen.

Subfamily VIII. NYMPHALINÆ, Bates.

Genus CETHOSIA, Fab.

1. C. CYANE, Drury, (Pap. C.) Ill. Ex. Ent. i. t. 4. f. 1 (1773).

Chentaboon. One specimen. The smallest I have seen. Exp. 2 in.

Genus CIRROCHROA, Doubl.

1. C. LANKA, Moore, P. Z. S. 1872, p. 557.

Chentaboon.

2. C. FASCIATA, Feld. Reise Nov. Lep. iii. t. 49. f. 9, 10 (1867).

Nahconchaisee.

Genus MESSARAS, Doubl.

1. M. ERYMANTHIS, Drury, (Pap. E.) Ill. Ex. Ent. i. t. 15. f. 3, 4 (1773).

Chentaboon. Four specimens, all of which are very dark in colour.

Genus *ATELLA*, Doubl.

1. *A. PHALANTA*, Drury, (Pap. P.) Ill. Ent. i. 21. f. 1, 2 (1773).
Chentaboon and Nahconchaisee.

Genus *JUNONIA*, Hübn.

1. *J. LEMONIAS*, Linn. (Pap. L.) Mus. Ulr. p. 277 (1764).
Chentaboon and Nahconchaisee.
2. *J. LAOMEDIA*, Linn. (Pap. L.) Syst. Nat. i. 2. p. 772 (1767).
Chentaboon and Nahconchaisee.
3. *J. ASTERIE*, Linn. (Pap. A.) Syst. Nat. i. 2. p. 769 (1779).
Nahconchaisee.

Genus *ERGOLIS*, Boisd.

1. *E. ARIADNE*, Linn. (Pap. A.) Syst. Nat. i. 2. p. 778. n. 170
(1767)
Nahconchaisee.

Genus *NEPTIS*, Fab.

1. *N. LEUCOTHOE*, Cram. Pap. Ex. iv. t. 296 E, F (1782).
Chentaboon and Nahconchaisee. The Nahconchaisee specimens
are very bright in colour.
2. *N. CLINIA*, Moore, P. Z. S. 1872, p. 563, pl. xxxii. f. 8.
Chentaboon and Nahconchaisee. The type was from Bengal.
3. *N. HARDONIA*, Stoll, (Pap. H.) Suppl. Cram. t. 33. f. 4, 4 D
(1790).
Chentaboon.
4. *N. NOLANA*, n. s.

Upperside dark brown, all the bands and spots rufous orange. Anterior wing with a longitudinal band from the base to beyond the cell, with a broad band from the costal margin to the anal angle curved inwards and narrower in the middle, with a narrow band round the outer margin. Posterior wing crossed by three rufous-orange bands, the first and third narrow. Underside as above, only much paler in colour, with all the bands indistinctly marked.

Exp. $2\frac{1}{4}$ in.

Chentaboon. In coll. H. Druce.

Genus *ATHYMA*, West.

1. *A. LEUCOTHOE*, Linn. (Pap. L.) Mus. Ulr. p. 292 (1764).
Chentaboon, Nahconchaisee.

Genus *DIADEMA*, Boisd.

1. *D. BOLINA*, Linn. (Pap. B.) Mus. Ulr. p. 295 (1764).
Chentaboon, Nahconchaisee.

2. *D. MISIPPUS*, Linn. (Pap. M.) Mus. Ulr. p. 264 (1764).
Chentaboon.

Genus *LEBADEA*, Feld.

1. *L. ISMENE*, Doubl. Hew. Gen. D. L. t. 34. f. 2 (1850).
Chentaboon.

Genus *ADOLIAS*, Boisd.

1. *A. LUBENTINA*, Cram. (Pap. L.) Pap. Ex. ii. t. 155 C, D (1782).
Nahconchaisee. One specimen.

2. *A. GARUDA*, Moore, Cat. Lep. E. I. C. i. p. 186 (1857).
Nahconchaisee.

3. *A. LEPIDEA*, Butl. Ann. Nat. Hist. ser. 4, vol. i. p. 71 (1868).
Chentaboon.

Genus *CHARAXES*, Ochs.

1. *C. ATHAMAS*, Drury, (Pap. A.) Ill. Ex. Ent. i. t. 2. f. 4 (1773).
Chentaboon.

Family III. *LYCÆNIDÆ*.

Genus *MILETUS*, Hübn.

1. *M. IRRORATUS*, n. s.

Upperside dark glossy brown, with a whitish spot at the end of the cell of anterior wing. Underside very like *M. melanion*, Felder, but differs from it in having the light markings less clearly defined, and the white lines more indistinct.

Nahconchaisee. Coll. H. Druce.

Genus *CUPIDO*, Schrank.

1. *C. ROSIMON*, Fab. Syst. Ent. p. 523. n. 341 (1775).
Chentaboon and Nahconchaisee.

2. *C. ETHION*, Hew. Gen. D. L. t. 76. f. 3 (1852).
Nahconchaisee.

3. *C. STRABO*, Fab. Ent. Syst. iii. 1. p. 287 (1793).
Nahconchaisee.

4. *C. AGNATA*, n. s. (Plate XVI. figs. 2, 3, 4.)

Upperside (male) bluish white, with the outer margin of the anterior wing slightly dusky. Underside pale greyish brown, anterior wing crossed beyond the cell with six irregular white bands; posterior wing with eight, the first two close to the base; two black spots near the anal angle surrounded with orange. Upperside (female) bluish white, anterior wing with the apical half pale brown, broadest at the costal margin, posterior wing from the base to the apex brown, extending to the middle of the cell, outer margin brown, crossed by a band of white lunular markings, underside same as the male.

Exp. $1\frac{1}{2}$ in.

Nahconchaisee. In coll. H. Druce.

Genus *APHNÆUS*, Hübn.

1. *A. LOHITA*, Horsf. (Amb. L.) Cat. Lep. E. I. C. p. 107. n. 39 (1829).

Chentaboon.

Genus *SITHON*, Hübn.

1. *S. FRIGA*, Fab. (Hesp. F.) Ent. Syst. iii. 1. p. 263. n. 19 (1793).

Chentaboon.

Genus *MYRINA*, Fab.

1. *M. ATYMNUS*, Cram. (Pap. A.) Pap. Ex. iv. t. 331 D, E (1782).

Chentaboon.

Genus *DEUDORIX*, Hew.

1. *D. PETOSIRIS*, Hew. Ill. D. L. p. 22, t. 9. f. 30, 31 (1863).

Chentaboon.

Genus *CURITES*, Hübn.

1. *C. INSULARIS*, Horsf. Cat. Lep. E. I. C. p. 125 (1829).

Chentaboon.

Genus *AMBLYPODIA*, Horsf.

1. *A. CENTAURUS*, Fab. (Pap. C.) Syst. Ent. p. 520 (1775).

Chentaboon and Nahconchaisee.

2. *A. DIARDI*, Hew. Cat. Lyc. B. M. p. 9. n. 43, t. 5. f. 41, 42 (1862).

Nahconchaisee.

Family IV. *PAPILIONIDÆ*.Subfamily *PIERINÆ*, Bates.Genus *PONTIA*, Fab.

1. *P. XIPHIA*, Fab. Spec. Ins. ii. p. 43. n. 180 (1781).

Chentaboon; Nahconchaisee. The specimens are very small.

Genus *TERIAS*, Swainson.

1. *T. HECABE*, Linn. Mus. Ulr. p. 249 (1764).

Nahconchaisee.

Genus *PICRIS*, Schrank.

1. *P. JUDITH*, Fab. (Pap. J.) Mant. Ins. ii. p. 22 (1789).

Chentaboon. One specimen.

2. *P. NERISSA*, Fab. (Pap. N.) Syst. Ent. p. 471. n. 123 (1775).

Nahconchaisee.

Genus *TACHYRIS*, Wall.

1. *T. ALBINA*, Boisd. Sp. Gén. i. p. 480 (1836).

Chentaboon.

Genus *DELIAS*, Hübn.

1. *D. HIERTE*, Hübn., var. *INDICA*, Wall. Trans. Ent. Soc. ser. iii. vol. iv. p. 351 (1867).

Nahconchaisee.

Genus *ERONIA*, Hübn.

1. *E. VALERIA*, Cram. (Pap. V.) Pap. Ex. i. t. 85 A (1779).
Chentaboon.

Genus *CALLIDRYAS*, Boisd.

1. *C. PYRANTHE*, Godt. Enc. Méth. ix. p. 77 (1819).
Chentaboon; Nahconchaisee.
2. *C. CROCALE*, Cram. (Pap. C.) Pap. Ex. i. t. 55 C, D (1779).
Chentaboon; Nahconchaisee.

Genus *HEBOMOIA*, Hübn.

1. *H. GLAUCIPPE*, Linn. (Pap. G.) Mus. Ulr. p. 240 (1764).
Chentaboon; Nahconchaisee.

Genus *IXIAS*, Hübn.

1. *I. VERNA*, n. s. (Plate XVI. figs. 5, 6.)

Upperside (male) yellowish white, with the base of the anterior wing greyish; apical half broadly black, bordered on the inner margin with bright yellow, with a large subapical orange band. Posterior wing, over the outer margin broadly black, extending from the apex to near the anal angle; abdominal margin sulphur yellow.

Underside the same as *I. pyrene*, Linn.

The female chiefly differs from the male in having all the dark margins much broader, and the subapical orange band smaller and paler-coloured. Underside the same as the male.

Exp. ♂ $2\frac{1}{4}$ in., ♀ 2 in.

Nahconchaisee. In coll. H. Druce.

Genus *ORNITHOPTERA*, Boisd.

1. *O. RHADAMANTHUS*, Boisd. Sp. Gén. i. p. 180. n. 8 (1836).
Chentaboon, 1 ♂; Nahconchaisee, 1 ♂.

Genus *PAPILIO*, Linn.

1. *P. AGAMEMNON*, Linn. Mus. Ulr. p. 202 (1764).
Chentaboon.
2. *P. ERITHONIUS*, Cram. Pap. Ex. iii. t. 232 A, B (1782).
Nahconchaisee.
3. *P. DEMOLION*, Cram. Pap. Ex. i. t. 89 A, B (1779).
Chentaboon.
4. *P. POLYTES*, Linn. Mus. Ulr. p. 186 (1764).
Chentaboon, 4 ♂, 3 ♀; Nahconchaisee, 2 ♂, 3 ♀.



Druce, Herbert. 1874. "A List of the Lepidopterous Insects collected by Mr. L. Layard at Chentaboon and Nahconchaisee, Siam, with Descriptions of new Species." *Proceedings of the Zoological Society of London* 1874, 102–110.

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