



Title	Adelidæ in Japan
Author(s)	Matsumura, S.
Citation	Insecta matsumurana, 6(3): 121-128
Issue Date	1932-02
Doc URL	http://hdl.handle.net/2115/9235
Type	bulletin
File Information	6(3)_p121-128.pdf



[Instructions for use](#)

ADELIDÆ IN JAPAN

BY

DR. S. MATSUMURA

(With Plate IV)

A few Adelid-moths in Japan were studied by BUTLER and some of the Formosan species by MEYRICK, but the species which were treated by these authors were very few. The author published in the last June the "6000 Illustrated Insects of Japan" (Nippon Konchū Daizukan) (1931), and it contains 21 species of Adelid-species, 9 of which are new to science, and in this occasion he will describe them with the other new species.

The author possesses now 25 good species at his disposal, and as he has still 2 more doubtful specimens, respectively from the Kuriles and Honshu (Towada), which are not yet identified, so he will treat them in the near future.

1. *Nemophora dorsiguttella* ERSCH. (Pl. IV, f. 1)

Nemophora dorsiguttella ERSCH., Hor. Soc. Ent. Ross. 7, p. 343 (1871); Mém. Lep. Rom. 6, t. 16, f. 2 (1892); MEYR., Lep. Cat. p. 1 (1912); MATS., 6000 Ill. Ins. Japan, p. 1111, f. 2329 (1931).

This is quite common in Japan, in Sapporo appearing in May and June, but in Kiushu in April.

Hab.: Hokkaido, Honshu, Kiushu, Siberia.

N. J.: *Usuiro-higenaga*.

2. *Nemotois rubrofascia* CHRIST. (Pl. IV, f. 2)

Nemotois rubrofascia CHRIST., Bull. Soc. Nat. Mosc., p. 9 (1882); MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2339 (1931).

Nemotois rubrifascia MEYR., Lep. Cat., p. 8 (1912).

This is not numerous, in our museum only three specimens being preserved, which were collected by S. HIRAYAMA, S. IGUCHI and the author.

Hab.: Hokkaido (Sapporo), Honshu (Tokyo, Harima).

N. J.: *Benisujū-higenaga*.

3. *Nemotois sakaii* MATS. (Pl. IV, f. 3)

Nemotois sakaii MATS., 6000 Ill. Ins. Japan, p. 1113, f. 2340 (1931).

Closely allied to *N. rubrofascia* CHRIST., but differs from it in the following points:

Antenna yellowish brown, near the base bluish black, at the enlarged basal part being testaceous; the vermilion-red band of the primaries much narrower, becoming conspicuously narrower towards the dorsum, on each side being defined by a broad fuscous line.

Exp.: 16 mm.

Hab.: Formosa; one male specimen was collected by the late F. SAKAI in May at Banshoryo.

N. J.: *Sakai-higenaga*.

4. *Nemotois paradisea* BUTL. (Pl. IV, f. 4)

Nemotois paradisea BUTL., Trans. Ent. Soc. Lond., p. 592 (1881); MEYR., Lep. Cat., p. 8 (1912); MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2337 (1931).

This is not numerous, only one male specimen being preserved in our museum, which was collected by S. ISSIKI at Kii in August 9.

Hab.: Honshu (Kii).

N. J.: *Ginsuji-higenaga*.

5. *Nemotois aurifera* BUTL. (Pl. IV, f. 5)

Nemotois aurifera BUTL., Trans. Ent. Soc. Lond., p. 592 (1881); MEYR., Lep. Cat. p. 9 (1912); MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2332 (1931).

Tanachma fasciella MOTSCH., Bull. Soc. Nat. Mosc., p. 39 (1866) (praeoc.)

This is common in Japan, perhaps appearing twice in a year, the first brood in May to June and the second in August.

Hab.: Hokkaido, Honshu, Shikoku.

N. J.: *Rurimae-higenaga*.

6. *Nemotois askoldella* MILL. (Pl. IV, f. 6)

Nemotois askoldella MILL., Naturaliste 1, p. 139 (1879); MEYR., Lep. Cat., p. 9 (1912); MATS., 6000 Ill. Ins. Japan, p. 1111, f. 2331 (1931).

Nemotois irroratella CHRIST., Bull. Soc. Nat. Mosc., p. 5 (1882).

This is rare in Japan, in our museum only one male specimen being preserved, collected by I. SUGITANI at Mt. USUI in the Prov. Shinano, in July 3.

Hab.: Honshu (Mt. Usuitôge).

N. J.: *Gin-higenaga*.

7. *Nemotois limenitis* MEYR. (Pl. IV, f. 7)

Nemotois limenitis MEYR., Ent. Mitt. Suppl. p. 61 (1914); MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2336 (1931).

This is found in Formosa, but not numerous. In our museum we have 2 male specimens which were collected by the author at Tainan and Horisha in the latter part of April and the first part of May.

Hab.: Formosa.

N. J.: *Hosoobi-higenaga*.

8. *Nemotois baibarana* MATS. (Pl. IV, f. 8)

Nemotois baibarana MATS., 6000 Ill. Ins. Japan, p. 1111, f. 2333, ♀ (1931).

♀. Antenna at the basal half orange-yellow. Head and thorax yellow. Abdomen black. Primaries black, in a certain light with a bluish and purplish lustre; the basal part (except the costa) and a middle band orange-yellow. Secondaries black, with a purplish lustre.

Exp.: 22,5 mm.

One female specimen was collected at Baibara, in February 2, 1926, by Y. SAITO and K. KIKUCHI.

Hab.: Formosa (Baibara).

N. J.: *Baibara-higenaga*.

9. *Nemotois degeerella* L. (Pl. IV, f. 9)

Nemotois degeerella L., Syst. Nat., p. 540 (1758); MEYR., Lep. Cat. p. 9 (1912); MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2335 (1931).

This is rare in Japan, only one male specimen was collected by T. OGASAWARA at Iwate in June 3, 1901.

As the antenna of this species is unicolorous throughout, which differs from the typical form, so I propose to give a name f. *ogasawarai* MATS. for it.

Hab.: Honshu (Iwate).

N. J.: *Kin-obi-higenaga*.

10. *Nemotois wakayamensis* MATS. (Pl. IV, f. 10)

Nemotois wakayamensis MATS., 6000 Ill. Ins. Japan, p. 1113, f. 2342 (1931).

♀. Body dark fuscous, with a light silky luster. Primaries orange-yellow, longitudinal and transverse lines bluish gray, each defined by blackish lines, at the apex being blackish. Secondaries fuscous, with a purplish lustre.

Exp.: 21 mm.

This differs from the congeneric species in having a long orange-yellow oblique patch along the outer margin.

Hab.: Honshu (Wakayama); one female specimen was collected by F. WADA at Wakayama.

N. J.: *Wakayama-higenaga*.

11. *Nemotois amurensis* ALPH. (Pl. IV, f. 11)

Nemotois amurensis ALPH., Mém. Rom., 9, p. 346 (1897); MATS., 6000 Ill. Ins. Japan, p. 1111 f. 2330 (1931).

(?) *Nemotois amatella* STGR., Iris, 5, p. 392 (1892).

This is not rare especially in the northern part of Japan, at Sapporo appear-

ing in the latter part of June, and at Mt. Yarigadake in the middle of July.

Hab.: Hokkaido, Honshu.

N. J.: *Ô-higenaga*.

12. *Nemotois sapporensis* MATS. (Pl. IV, f. 12)

Nemotois sapporensis MATS., 6000 Ill. Ins. Japan, p. 1113, f. 2341 (1931).

Body black, Antenna whitish, at the base black, in the female the basal half purplish fuscous. Primaries yellow, in the basal half with 5 longitudinal leaden stripes and 2 black lines, one of them at the dorsum being not distinct, towards the apex with 2 same coloured bands, all the stripes and bands being defined by purplish fuscous lines, at the apex broadly purplish, with some leaden scales. Secondaries purplish fuscous.

Exp.: 19 mm.

This is common at Sapporo in the middle part of June.

Hab.: Hokkaido (Sapporo).

N. J.: *Sapporo-higenaga*.

13. *Nemotois karafutonis* n. sp. (Pl. IV, f. 13)

Resembles closely *N. sapporensis* MATS., but differs from it in having in the primaries 5 dagger-shaped orange-yellow longitudinal lines before the apex, which gradually lessen their lengths towards the dorsum, at the termen with golden longer fringe and being more rounded.

Exp.: 16 mm.

Hab.: Saghalien; one male specimen was collected in the first part of July at Toyohara by Y. OHTA and T. TAKAGI.

N. J.: *Karafuto-higenaga*.

14. *Nemotois teshionis* MATS. (Pl. IV, f. 14)

Adela teshionis MATS., 6000 Ill. Ins. Japan, p. 1110, f. 2327 (1931).

Antenna at the apical half whitish. Body dark fuscous, with a light shade of bronze. Head fulvous. Primaries yellow, at the inner half with 4 longitudinal black defined leaden stripes and a similar black line, towards the apex with the same coloured fuscous defined bands, the veins at the termen blackish striped, at the end and the fringe being black. Secondaries purplish fuscous.

Exp.: 18 mm.

This is not few at Teshio, being caught in July.

Hab.: Hokkaido (Teshio).

N. J.: *Teshio-higenaga*.

15. *Nemotois suzukiella* MATS. (Pl. IV, f. 15)

Adela suzukiella MATS., 6000 Ill. Ins. Japan, p. 1110, f. 2326 (1931).

♂. Head dirty orange-yellow, thorax of a bronze colour, abdomen fuscous, silky. Antenna dark grayish, at the basal 6th purplish fuscous. Primaries orange-yellow, at the basal half with 4 longitudinal purplish leaden stripes and 3 black lines, towards the apex with the same coloured bands, at the apex purplish fuscous, at the inner margin being irregularly undulated, in the middle with a grayish stripe in a certain light.

Exp.: 18 mm.

Somewhat resembles *N. schrencki* BREM.

One male specimen was collected by M. SUZUKI at Hanazono (Kyoto).

Hab.: Honshu.

N. J.: *Suzuki-higenaga*.

16. *Nemotois coreana* MATS.

Adela coreana MATS., 6000 Ill. Ins. Japan, p. 1109, f. 2322 (1931).

Antenna grayish white, at the base purplish black, changing its colour according to light. Head fulvous. Primaries orange-yellow, at the basal half with 5 longitudinal purplish leaden stripes, towards the apex with 2 concolorous bands, at the apical $\frac{1}{4}$ purplish fuscous, with a golden lustre, at its inner margin being somewhat straightly truncated.

Exp.: 19,5–21 mm.

Hab.: Korea; two (1 ♂ and 1 ♀) specimens were collected in May and August at Suigen.

N. J.: *Chosen-higenaga*.

17. *Nemotois raddei* REBEL (Pl. IV, f. 17).

Nemotois raddei REBEL, Cat. Pal. Lep., 2, p. 243 (1901).

Nemotois raddeellus CHRIST., Bull. Soc. Nat. Mosc., p. 8 (1882) (præoc.).

This is not rare in Japan, being caught in April to May.

Hab.: Hokkaido (Sapporo), Honshu (Tokyo, Gifu).

N. J.: *Gomadara-higenaga*.

18. *Nemotois takamukuella* n. sp. (Pl. IV, f. 18)

This is one of the biggest *Nemotois*-species in Japan, resembling in shape much *N. polychorda* MEYR., but it easily be distinguish from the latter in the following points: Primaries with a black X-shaped marking towards the apex, at the termen narrowly and at the costa beyond the X-marking black, at the basal half with 3 longitudinal leaden stripes, in the middle with 2 similar lines, that of the anterior being shorter.

Exp.: 22 mm.

This was collected at Yanagawa in the Prov. Fukuoka by the late T. Takamuku.

Hab.: Kiushu (Yanagawa).

N. J.: *Takamuku-higenaga*.

19. *Nemotois polychorda* MEYR. (Pl. IV, f. 19).

Nemotois polychorda MEYR., Ent. Mitt. Suppl., p. 61 (1914); MATS., 6000 Ill. Ins. Japan, p. 1111, f. 2338 (1931).

Closely allied to *N. amurensis* ALPH., but differs from it in having a much narrower yellowish band to the primaries and 8 same coloured longitudinal apical stripes which are separated at the bases and nearly reaching to the apex, antenna except the base being largely whitish gray.

This is not numerous in Formosa, being found in a mountainous region, in the middle part of April.

Hab.: Formosa (Arisan, Toroën, Kuyaniya).

N. J.: *Taiwan-ôhigenaga*.

20. *Nemotois chibiana* MATS. (Pl. IV, f. 20).

Nemotois chibiana MATS., 6000 Ill. Ins. Japan, p. 1112, f. 2335 (1931).

Antenna and body fuscous, the former towards the apex pale grayish. Primaries yellowish, 3 longitudinal stripes at the basal half and 3 transverse bands at the apical half of a leaden, colour, all being defined by fuscous lines. Secondaries fuscous, with a purplish lustre.

Exp.: 10,5 mm.

This is the smallest *Nemotois*-species in Japan, being few in Sapporo.

Hab.: Hokkaido (Sapporo).

N. J.: *Chibi-higenaga*.

21. *Nemotois optima* BUTL.

Nemotois optima BUTL., Ill. Het. Brit. Mus., 2, p. 62, t. 40, f. (1878); MEYR., Lep. Cat., p. 9 (1912).

This is a doubtful insect, whether it truly inhabits in Japan or not, for the author never met with it.

Hab.: Honshu (?).

22. *Nemotois fluorites* MEYR. (Pl. IV, f. 21).

Nemotois fluorites MEYR., Journ. Bom. Nat. Hist. Soc., 17, p. 99 (1907); id., Lep. Cat., p. 9 (1912).

This is rare in Formosa, only one male specimen, which was collected at Koshun in July 6, is preserved in our museum.

Hab.: Formosa (Koshun), India (Assam).

N. J.: *Taiwan-chibi-higenaga*.

23. *Nemotois mitakeana* MATS.

Adela mitakeana MATS., 6000 Ill. Ins. Japan, p. 1110, f. 2323 (1931).

♂. Body purplish black, with a silky lustre, thorax in the middle with a bronzy lustre. Head dirty yellowish brown. Both wings purplish fuscous, primaries in the middle with a blackish patch. Antenna except the base, which is fuscous, whitish.

Exp.: 10,5 mm.

This was collected by S. ISSIKI at Mt. Mitake in the Prov. Musashi in May.

Hab.: Honshu (Mt. Mitake).

N. J.: *Mitake-higenaga*.

24. *Adela viridella* SCOP. (Pl. IV, f. 23).

Adela viridella SCOP., Ent. Carn., no. 250 (1763); MATS., 6000 Ill. Ins. Japan, p. 1110, f. 2328 (1931).

This does not differ practically from the typical European specimen, and in our museum only two male specimens are preserved, which were collected by the author at Sapporo and by the late T. TAKAMUKU at Yanagawa.

Hab.: Hokkaido, Honshu, Kiushu.

N. J.: *Awo-higenaga*.

25. *Adela nobilis* CHRIST. (Pl. IV, f. 24).

Adela nobilis CHRIST., Bull. Soc. Nat. Mosc., p. 7 (1881); MATS., 6000 Ill. Ins. Japan, p. 1110, f. 3224 (1931).

This is not rare in the latter part of April at Mino near Osaka, and in our museum only two male specimens are preserved, which were collected by N. TOZAWA.

Hab.: Honshu (Mino), Siberia.

N. J.: *Kiobi-higenaga*.

Explanation of Plate IV

1. *Nemophora dorsiguttella* ERSCH.
2. *Nemotois rubrofascia* CHRIST.
3. *Nemotois sakaii* MATS.
4. *Nemotois paradisea* BUTL.
5. *Nemotois aurifera* BUTL.
 a. Pupa
6. *Nemotois askoldella* MILL.
7. *Nemotois limenitis* MEYR.
8. *Nemotois baibarana* MATS.
9. *Nemotois degeerella* L.
10. *Nemotois wakayamensis* MATS.
11. *Nemotois amurensis* ALPH.
12. *Nemotois sapporensis* MATS.
13. *Nemotois karafutonis* MATS. (n. sp.)
14. *Nemotois teshionis* MATS.
15. *Nemotois suzukiella* MATS.
16. *Nemotois coreana* MATS.
17. *Nemotois raddei* REBEL
18. *Nomotois takamukuella* MATS. (n. sp.)
19. *Nemotois polychorda* MEYR.
20. *Nemotois chibiana* MATS.
21. *Nemotois fluorites* MEYR.
22. *Nemotois mitakeana* MATS.
23. *Adela viridella* SCOP.
24. *Adela nobilis* CHRIST.

