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und 4te Glied klein. Halsschild quer, an der Basis vorständig gerandet. Schildchen klein, länglich dreieckig. Flügeldecken parallelseitig, mit schwachen Punktstreifen; die Zwischenräume der Punktstreifen fein und dicht punktiert. Jede Schenkellinie des ersten Bauchsegmentes bildet hinten einen Bogen.

In der Körperform dem *H. fenestratus* THUNB. ähnlich, aber durch die Fühlerbau und Zeichnung verschieden. In der Färbung und Fühlerbau ähnelt sich dem *H. hispidulus* KIESW., der Körper aber schmäler, die Behaarung etwas kürzer und die Zeichnung der Flügeldecken etwas anders.

Körperlänge: 3,5–3,8 mm.

Fundort: Honshu (Tamagawa, 4 Ex., 1/VII, 1913, H. TAKABAYASHI).

J. N.: *Tamagawa-nagadoro.*

摘　　要

本邦領土内に産するナガドロ科の甲蟲は次の如し。

1. *Heterocerus sauteri* GROUVELLE　ザウテルナガドロ
2. *H. fenestratus* THUNBERG　タテスヂナガドロ　(未記錄種)
3. *H. japonicus* KÔNO　タマガハナガドロ　(新　種)

A LIST AND NEW SPECIES OF *AEGERIDÆ* FROM JAPAN

By

PROF. S. MATSUMURA

(With Plate I)

Aegerid-species of Japan were studied by WALKER, BUTLER, LEECH, BARTEL, HAMPSON, STRAND and the author. In 1931, the author published the "6000 Illustrated Insects of Japan" and in it the following 13 new species were described:

1. *Chamanthedon coreacola* MATS. (Korea)
2. *Conopia chibensis* MATS. (Honshu)
3. *C. chosensis* MATS. (Korea)
4. *C. galloisi* MATS. (Korea)
5. *C. mushana* MATS. (Formosa)
6. *C. producta* MATS. (Hokkaido)

[Ins. Mats., Vol. VI, No. 1, Oct., 1931]

7. *Paranthrene daisensis* MATS. (Honshu)
8. *P. hirayamai* MATS. (Honshu)
9. *P. (Nokona) yezonica* MATS. (Hokkaido)
10. *Scasiba taikanensis* MATS. (Formosa)
11. *Spherodoptera okinawana* MATS. (Okinawa)
12. *Zenodoxus shakojianus* MATS. (Korea)
13. *Z. taiwanellus* MATS. (Formosa)

In this occasion the author will redescribe their diagnosis.

1. *Chamanthedon coreacola* MATS. (Pl. I, f. 2, ♂)

Chamanthedon coreacola MATS., 6000 Ill. Ins. Japan, p. 1012, f. 1846 (1931).

♂. Wings hyaline, veins, fringes, the discoidal spot and the termen to primaries black, the dorsum to primaries and the costa to secondaries yellowish brown, at the apex black, at the anterior prat with dense, rigid hairs. Labial palpi yellow, at the outer side being blackish. Abdomen with no yellow band. Legs black, with yellowish spots.

Exp.: ♂, 24 mm.

Hab.: Korea; one male specimen was collected on August 15, 1919, by E. GALLOIS at Genzan.

2. *Conopia chibensis* MATS. (Pl. I, f. 20, ♂)

Conopia chibensis MATS., l. c. p. 1013, f. 1847.

♂. Wings hyaline, primaries with the veins, costa, dorsum, and termen (narrowly) black, lacking vein 2, 7 and 8 being branched; fringes of both wings black. Body yellowish brown to dark brownish, some spots and stripes of the thorax as well as the hind margin of each abdominal segment yellow, the 4th and 7th of the latter being the broadest. Legs yellow, with black markings.

Exp.: ♂, 27 mm.

Hab.: Hokkaido, Honshu, Kiushu.

One male was collected at Abiko (Chiba), on the 9th of July, 1927, and 2 males at Futsukaichi on the 4th of August, 1910.

3. *Conopia chosensis* MATS. (Pl. I, f. 24, ♂)

Conopia chosensis MATS., l. c. p. 1013, f. 1848.

♂. Wings hyaline, veins and fringes black, the discoidal spot and the termen to primaries also black, the former at the sides straight, towards the lower end somewhat narrower. Body black. Labial palpus orange-yellow, at the apex and on the sides (except at the base) black. Patagia and the anterior coxa on the outer side white. A pleural spot golden yellow. Abdomen with 3 narrow yellow bands. Legs black, the anterior coxa at the outerside

and the markings of the legs yellowish white.

Exp.: ♂, 18 mm.

Hab.: Korea; 4 male specimens were collected in May and June at Soul by E. GALLOIS.

4. *Conopia galloisi* MATS. (Pl. I, f. 4, ♂)

Conopia galloisi MATS., l. c. p. 1013, f. 1849.

♂. Wings hyaline, veins, the discoidal spot and the termen black, the discoidal spot to the primaries defined outwardly by an orange-yellow line, just above it with a reddish yellow scales, the concolorous scales also being presented in the 8th interspace. Secondaries at the costa grayish yellow, fringe brownish. Body black. Labial palpus, patagia, legs, abdominal bands and venter yellow, the anterior coxa being golden yellow, legs with black markings.

Exp.: ♂, 25,5 mm.

Hab.: Korea; one male specimen was collected at Taijudong by E. GALLOIS.

5. *Conopia mushana* MATS. (Pl. 1, f. 21, ♂)

Conopia mushana MATS., l. c. p. 1013, f. 1851.

♂. Primaries with a cuneate discoidal spot, on its outer side with some yellowish scales. Secondaries with a triangular discoidal spot, at the costa being yellowish. Both wings at the termens indigo-black, fringes being dark grayish. Labial palpus, patagia, 3 longitudinal stripes of the thorax, the anterior coxa, some podal spots, the hinder part of each coxa (narrowly) and the lateral hairs of the cauda yellowish.

Exp.: ♂, 21 mm.

Hab.: Formosa; one male specimen was collected at Musha in June by T. OKUNI and J. SONAN.

6. *Conopia producta* MATS. (Pl. 1, f. 6, ♂)

Conopia producta MATS., l. c. p. 1014, f. 1852.

♂. Resembles *C. hector* BUTL., but differs from it as follows:

The discoidal spot to primaries at the inner side high hat-like produced, the 2nd and 4th abdominal segments with each a yellow band, that of the latter being broader and which is extended to the venter. Spurs and the lower part of tarsus yellowish. Caudal hairs brown; labial palpus and patagia whitish.

Exp.: ♂, 21 mm.

Hab.: Hokkaido; one male specimen in our museum collected on September 20, 1926, at Sapporo.

7. *Paranthrene daisensis* MATS. (Pl. I, f. 14, ♂)

Paranthrene daisensis MATS., l. c. p. 1016, f. 1961.

♂. Resembles *P. ferale* LEECH, but differs from it as follws:

Primaries with 2 yellow subhyaline stripes, that of the anterior extending beyond the middle, and that of the posterior nearly half a length of the anterior; face at the margin of the eye silvery white, patagia only at the anterior margin orange-yellow, the rest being indigo-black; secondaries hyaline with a yellowish (tortoise-yellow) tinge, at the base being black. Thorax and abdomen indigo-black, at the hind margin of the 4th abdominal segment with a broader orenge-yellow band, and a narrower similar band at the 2nd segment on each side; hind tarsus on the inner side only yellowish.

Exp.: ♂, 42 mm.

Hab.: Honshu (Daisen); one male specimen was collected on August 17, 1922, by the author.

8. *Paranthrene (Nokona) yezonica* MATS. (Pl. I, f. 18, ♂)

Paranthrene yezonica MATS., l. c. p. 1017, f. 1866.

♂. Primaries dark indigo-blue, the medial and submarginal cells tortoise-yellow, subhyaline, at the base being fuscous. Secondaries hyaline, tortoise-yellow, a basal spot and the inner margin with its fringe being black. Veins, termen and the anterior margin fuscous. Body reddish brown, with fuscous scales, abdomen steel-bluish, at the 4th segment decorating a orange-yellow band which becomes broader at the venter. Legs fuscous. Labial palpus at the front orange-yellow.

Exp.: ♂, 38 mm.

Hab.: Hokkaido; one male specimen was collected at Otaru by IKEDA.

As this differs from the tipical *Paranthrene* in having serrated antenna, so the author erects a new subgenus *Nokona* for it.

Subg. type: *Paranthrene (Nokona) yezonica* MATS.

9. *Paranthrene hirayamai* MATS. (Pl. I, f. 15, ♀)

Paranthrene hirayamai MATS., l. c. p. 1016, f. 1862.

♀. Primaries fuscous, in the middle coppery brown, the discoidal spot and veins deeper in colour, mixing some indigo-bluish scales. Secondaries hyaline, the discoidal spot, veins and the outer margin coppery brown; fringes of both wings dark gray. Body reddish brown, with numerous dark scales, patagia whitish, each band at the 2nd and 4th abdominal segments yellowish white, at each side of the 6th with a whitish spot. Legs dark, with yellowish markings.

Exp.: ♀, 21 mm.

Hab: Honshu (Tokyo); one female specimen was collected on September 5, 1927, at Komaba by H. HIRAYAMA.

10. *Scasiba taikanensis* MATS. (Pl. I, f. 5, ♀)

Scasiba taikanensis MATS., l. c. p. 1017, f. 1867.

♀, Body black, with a steel-bluish lustre. Labial palpus at the lower side, patagia, legs (partly) yellow. Antenna brown, at the anterior part with numerous rigid hairs. Wing hyaline, fringes and veins black; primaries at the costa and the discoidal spot black, termen entirely hyaline. Each ventral segment at the base yellow.

Exp.: ♀, 24 mm.

Hab.: Formosa; one female specimen was collected at Taikan on April 18, 1924, by T. SHIRAKI and J. SONAN.

Scasiba n. g.

Resembles *Conopia* HB., but differs from it in having the vein 2 to primaries, termen hyaline, the discoidal vein to secondaries longer, somewhat straight, being more oblique.

Genotype: *Scasiba taikanensis* MATS.

11. *Spherodoptera okinawana* MATS. (Pl. I, f. 13, ♀)

Spherodoptera okinawana MATS., l. c. p. 1017, f. 1868.

♀. Primaries tortoise-yellow, hyaline, veins brownish, the discoidal spot golden yellow, at the base and the fringe fuscous. Body reddish brown, covered with dark grayish scales. Face, labial palpus, and thorax yellow. Metanotum and the 1st abdominal segment at the hind margin yellowish white, at the 4th segment with a broad yellowish band, at the venter with 4 yellowish bands. Legs yellow, the femur being fuscous.

Exp.: ♀, 40 mm.

Hab.: Okinawa; one female specimen was collected at Naha by K. KUROIWA.

12. *Zenodoxus shakojianus* MATS. (Pl. I, f. 11, ♀)

Zenodoxus shakojianus MATS., l. c. p. 1018, f. 1871.

♀. Body and wings coppery brown. Primaries in the cell with a longitudinal white stripe, the discoidal vein with a shade of indigo-blue. Secondaries hyaline, veins and fringes coppery brown. Labial palpus, the base of coxa, the apex of femur, a middle band at the venter of abdomen yellowish white. The 1st, 2nd, 4th and 5th abdominal segments each at the base yellow, the caudal hairs on the upper part being shorter and of a plae yellowish colour.

Exp.: ♂, 18 mm.

Hab.: Korea (Shakuoji); one male specimen was collected on July 25, 1925, by T. SHIRAKI.

13. *Zenodoxus taiwanellus* MATS. (Pl. I, f. 9, ♂)

Zenodoxus taiwanellus MATS., l. c. p. 1018, f. 1872.

♂. Primaries coppery brown, with a subhyaline whitish spot above the discoidal vein. Secondaries hyaline, purplish iridescent, veins and fringes coppery brown, at the base of vein 5 and the discoidal vein obsolete, at the costa with a silvery shade. Body above fuscous, beneath yellowish white. Antennae with numerous short hairs. Legs coppery brown, femur and tibia on the inner sides yellow, the caudal hairs black, mixing some yellowish ones, the 2nd and 4th abdominal segments with each a broad yellowish gray band.

Exp.: ♂, 15,5 mm.

Hab.: Formosa (Shinchiku); one male specimen was collected in July by J. SONAN and K. MIYAKE.

A List of Aegeridae from Japan

1. *Aegeria molybdoceps* HAMPSON
   Novit. Zool. 26, p. 82 ♀ (1919).
2. *Aegeria rhychioides* BUTLER
   Trans. Ent. Soc. London, p. 589, (1881).
3. *Aegeria scribai* BARTEL
   Gross-Schmett. (Pal.) 2, p. 375 ♀, t. 50 m (1912).
4. *Aegeria yezoensis* HAMPSON
   Novit. Zool. 26, p. 81 ♀ (1919).
5. *Aegerosphecia romanowi* LEECH
   Proc. Zool. Soc. London, p. 591, t, 30, fig. 1 (1888).
6. *Bembecia contracta* WALKER (Pl. I, f. 19)
   List. Lep. Brit. Mus. 8, p. 11, n. 4 (1862).
7. *Bembecia hylaeiformis* LASPEYRES (Pl. I, f. 10)
   Sesiidae Eur., p. 14, n. 7 (1801).
8. *Bembecia marginata* HARRIS
   Amer. Journ. Arts and Sci. 36, p. 309 ♀ (1839).
9. *Bembecia pernix* LEECH
   Proc. Zool.. Soc. London, p. 592, t. 30, fig. 5 (1888)
10. *Chamanthedon coreacola* MATSUMURA (Pl. I, f. 2)
    6000 Ins. Jap., p. 1012, t. 1846 (1931).

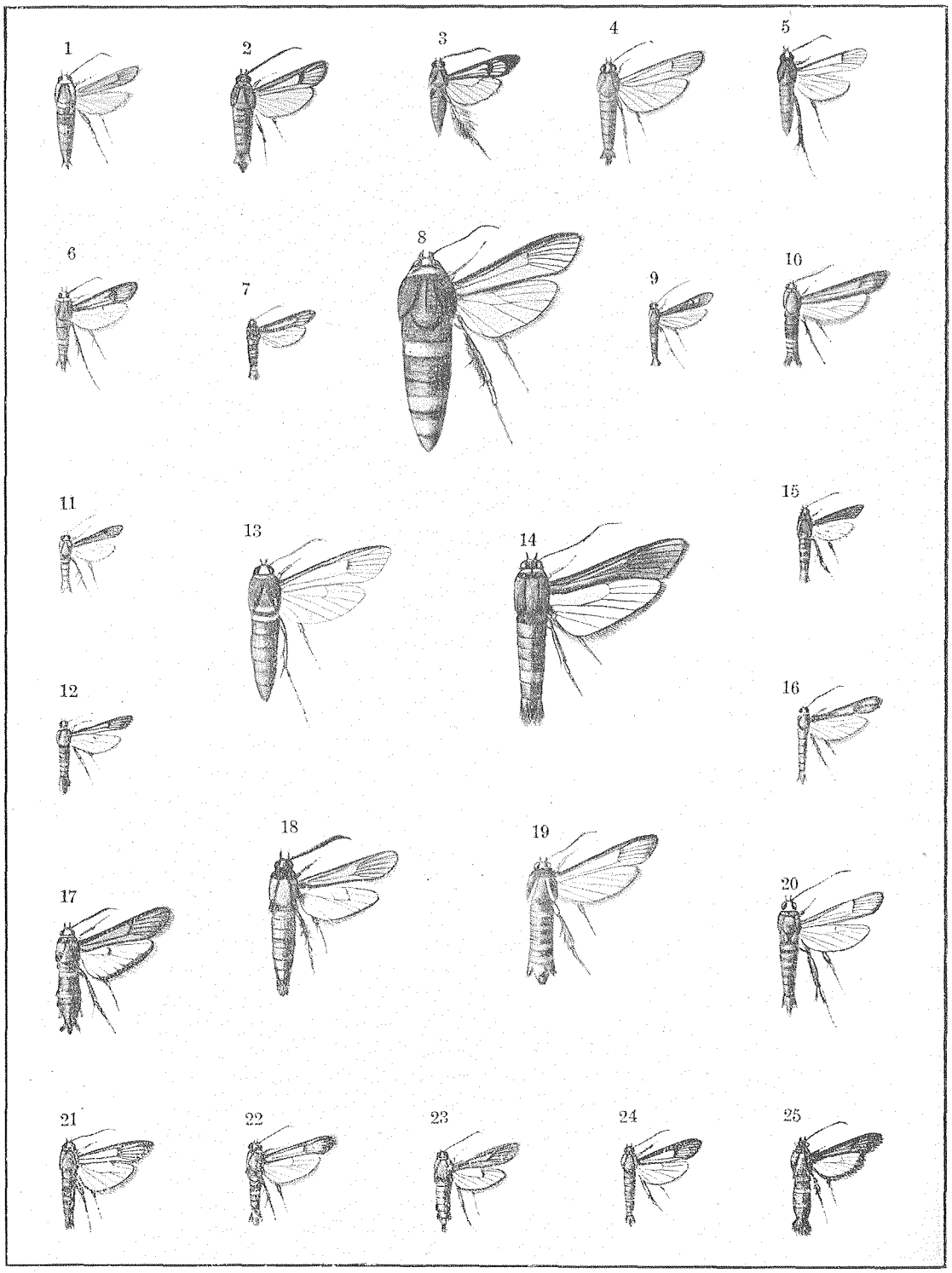
11. *Chimaerosphecia aegerides* STRAND
Archiv für Naturgeschichte 81, A. 8, p. 46 ♂ (1915).
12. *Conopia auritincta* WILEMAN
Entomol. 51, p. 169 (1918).
13. *Conopia chibensis* MATSUMURA (Pl. I, f. 20)
6000 Ins. Jap., p. 1013, f. 1847 (1931).
14. *Conopia chosensis* MATSUMURA (Pl. I, f. 24)
6000 Ins. Jap., p. 1013, f. 1851 (1931)
15. *Conopia galloisi* MATSUMURA (Pl. I, f. 4)
6000 Ins. Jap., p. 1013, f. 1849 (1931).
16. *Conopia hector* BUTLER
Ill. Lep. Het. Brit. Mus. 2, p. 60, t. 40, fig. 4 (1878).
17. *Conopia mushana* MATSUMURA (Pl. I, f. 21)
6000 Ins. Jap., p. 1013, f. 1851 (1931).
18. *Conopia producta* MATSUMURA (Pl. I, f. 6)
6000 Ins. Jap., p. 1014, f. 1852 (1931)
19. *Conopia quercus* MATSUMURA
6000 Ins. Jap., p. 1014, f. 1852 (1931).
Thousand Ins. Japan, Suppl. 3. p. 86, t. 36, fig, 17 (1911).
20. *Conopia tenuis* BUTLER (Pl. I, f. 12)
Ill. Lep. Het. Brit. Mus. 2, p. 60, t. 40, fig. 8 (1878).
21. *Conopia unocingulata* BARTEL (Pl. I, f. 22)
Gross-Schmett. (Pal.) 2, p. 383, t. 51d (1912).
22. *Conopia velox* FIXSEN
Mém. Lépid. 3, p. 323, t. 15, fig. 6 (1887).
23. *Dipsosphecia montis* LEECH
Proc. Zool. Soc. London, p. 592, t. 30, fig. 4 (1888).
24. *Glososphecia contaminata* BUTLER (Pl. I, f. 8)
Ill. Lep. Het. Brit. Mus. 2, p. 50, t. 40, fig. 2 (1878).
25. *Melittia bombyliformis* CRAMER
Papil. Exot. 4, p. 241, t. 400, fig. C (1782).
26. *Melittia eurition* WESTWOOD f. *microfenestrata* STRAND
Archiv für Naturg. 81, A. 8, p. 45–46 (1915).
27. *Melittia formosana* MATSUMURA
Thousand Ins. Japan, Suppl. 3, p. 86, t. 36, fig. 18 (1911).
28. *Melittia gigantea* MOORE
Proc. Zool. Soc. London, p. 413 (1879).
29. *Melittia japona* HAMPSON (Pl. I, f. 3)
Novit. Zool. 26, p. 91 ♂ ♀ (1919).
30. *Oligophlebiella polishana* STRAND

Archiv für Naturgeschichte 78, A. 8, p. 49 ♀ (1912.)

31. *Paranthrene bicincta* WALKER (Pl. I, f. 17, 25)
List Lep. Brit. Mus. 31 (Suppl. 1), p. 12 (1864).
32. *Paranthrene daisensis* MATSUMURA (Pl. I, f. 14)
6000 Ins. Jap., p. 1016, f. 1861 (1931).
33. *Paranthrene ferale* LEECH
Proc. Zool. Soc. London, p. 591, t. 30, fig. 3 ♂ (1888).
34. *Paranthrene formosicola* STRAND
Archiv für Naturgeschichts 81, A. 8, p. 47–49 ♂ ♀ (1915).
35. *Paranthrene hirayamai* MATSUMURA (Pl. I, f. 23)
6000 Ins. Jap., p. 1016, f. 1862 (1931).
36. *Paranthrene pernix* LEECH (Pl. I, f, 15)
Proc. Zool. Soc. London, p. 592, t. 30, fig. 5 (1888).
37. *Paranthrene pilamicola* STRAND (Pl. I, f. 1)
Archiv für Naturgeschichte 81, A. 8, p. 47 ♂ (1915).
38. *Paranthrene powondrae* DALLA
Entomol. 51, p. 169 (1918).
39. *Paranthrene regalis* BUTLER
Ill. Lep. Het. Brit. Mus. 2, p. 60, t. 40, fig. 3 (1878).
40. *Paranthrene (Nokona) yezonica* MATSUMURA (Pl. I, f. 18)
6000 Ins. Jap., p. 1016, f. 1866 (1931).
41. *Scasiba taikanensis* MATUMURA (Pl. I, f. 5)
6000 Ins. Jap., p. 1017, f. 1867 (1931).
42. *Sphecia asamaiensis* HAMPSON
Novit. Zool. 26, p. 81 ♀ (1919).
43. *Sphecia przewaiskii* ALPHÉRAKY
Horae Soc. Ent. Ross. 17, p. 18, t. 1, fig. 28 ♀ (1882)
44. *Spherodoptera okinawana* MATSUMURA (Pl. I, f. 13)
6000 Ins. Jap., p. 1017, f. 1868 (1931)
45. *Trichocerata constricta* BUTLER (Pl. I, f. 7)
Ill. Lep. Het. Brit. Mus. 2, p. 61, t. 40, fig. 10 (1878).
46. *Zenodoxus editha* BUTLER (Pl. I, f. 16)
Ill. Lep. Het. Brit. Mus. 2, p. 61, t. 41, fig. 9 (1879).
47. *Zenodoxus shakojianus* MATSUMURA (Pl. I, f. 11)
6000 Ins. Jap., p. 1018, f. 1871 (1931)
48. *Zenodoxus taiwanellus* MATSUMURA (Pl. I, f. 9)
6000 Ins. Jap., p. 1018, f. 1872 (1931).

Explanation of Plate I

1. *Paranthrene pilamicola* STRAND (♀)
2. *Chamanthedon coreacola* MATS. (♂)
3. *Melittia japona* HAMPS. (♂)
4. *Conopia galloisi* MATS. (♂)
5. *Scasiba taikanensis* MATS. (♀)
6. *Conopia producta* MATS. (♂)
7. *Trichocerata constricta* BUTL. (♂)
8. *Glossosphecia contaminata* BUTL. (♀)
9. *Zenodoxus taiwanellus* MATS. (♂)
10. *Bembecia hylaeiformis* LASP. (♂)
11. *Zenodoxus shakojianus* MATS. (♂)
12. *Conopia tenuis* BUTL. (♂)
13. *Spherodoptera okinawana* MATS. (♀)
14. *Paranthrene daisensis* MATS. (♂)
15. *Paranthrene pernix* LEECH (♂)
16. *Zenodoxus editha* BUTL. (♂)
17. *Paranthrene bicincta* WK. (♀)
18. *Paranthrene (Nokona) yezonica* MATS. (♂)
19. *Bembecia contracta* WK. (♂)
20. *Conopia chibensis* MATS.
21. *Conopia mushana* MATS. (♂)
22. *Conopia unocingulata* BART. (♂)
23. *Paranthrene hirayamai* MATS. (♀)
24. *Conopia chosensis* MATS. (♂)
25. *Paranthrene bicincta* WK. (♂)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