

柳原政之氏採集の大東島産膜翅目昆蟲

M. YANAGIHARA's Collection from Daito-Islands,
Okinawa: Hymenoptera.

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(昭和十五年八月十一日受理)

柳原政之氏大東島採集の膜翅目標本中本文で発表のものは次の 18 種である。

ヒメバチ科	9 種	内 3 種は新種
コマユバチ科	5 種	内 3 種は新種
アリ科	2 種	
トガリアナバチ科	1 種	
ヒメハナバチ科	1 種	
計	18 種	

尙此の他コバチ主科に屬するもの 5-6 種あるが、標本破損して不完全であつたり又は種名不明のもの等であるから是等は後日の調査を待つて發表することにした。

柳原氏今回採集の標本を見るに其分布系統は臺灣と殆ど共通種で、比律賓系統に入るものは見出せなかつた。即ち大東島の分在系統は上記標本によると支那系に入るものと思はれる。

Fam. Ichneumonidae ヒメバチ科

1. *Pimpla daitojimana* n. sp. ダイトウヒラタヒメバチ

Female. Length 8 mm. Antennae 8 mm. Ovipositor sheath 2 mm.

Head seen from above thin, eye slightly emarginate at the inner margin; face sparsely punctate and with silver pilose; clypeus strongly depressed at the middle, apex discrete; malar space as long as the basal width of mandible; frons strongly concave, glabrous, the middle transversely striate; vertex glabrous; diameter of ocellus as long as ocell-ocular line, the latter shorter than postocellar line. Thorax

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smoothly and densely punctate, with silver pilose; pronotum punctate and transversely striate; mesonotum without notauli; scutellum slightly elevated, polished and with sparsely silver pilose, lateral area of scutellum transversely striate; mesopleuron partly punctate and polished, speculum large, the speculum with a deep fovea on the centre; prepectal carina distinct; prepectus densely punctate; propodeum densely and strongly punctate, apex in the middle polished, slightly raised in the middle; spiracle oval; legs normal, last joint of hind tarsus longer than thrice the preceding joint; claws simple; areolet triangle, sessile; nervulus postfurcal; discocubitus slightly arched; nervellus broken far above the middle. Abdomen densely and strongly punctate, segmental apices polished, first tergite basally broadly impressed, smooth and subimpunctate, with short parallel carinae on the basal sides.

Black: palpi pale yellow; flagellum and coxae black; hind tibia black, with a pale reddish band at the base; apices of metatarsus and the following joints black; wings yellowish hyaline, stigma yellow, the stigma with a black spot near the apex; veins yellowish.

Male Similar to the female.

Hab. Holotype: ♀, Kita-Daitojima. 18 iii, 1939. Allotype: ♂, Kita-Daitojima, 18 iii, 1939. Paratype: ♀, Kita-Daitojima, 18, iii, 1939; 2♂♂, Minami-Daitojima, 19 ii-10 iii, 1939.

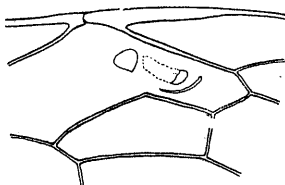
Likely to *Pimpla turionellae* LINNAEUS, but differs from it in the propodeum strongly punctate, prepectus densely punctate, and coxae black; although allied to *P. arctica* ZETTERSTEDT from India, differs from it in the frons densely punctate, propodeum without areola and petiolar area.

2. **Nesopimpla naranyae** ASHMEAD アラムシヒラタヒメバチ
2♂♂, Minami-Daitojima, 19 iii, 1939.
3. **Enicospilus mushaus** UCHIDA イツテンナミガタアメバチ
1♀, 1♂, Kita-Daitojima, 18 iii, 1939.
4. **Enicospilus flavocephalus** KIRBY キムネアメバチ
2♀♀, 1♂, Kita-Daitojima, 18 iii, 1936; 1♀, 3♂♂, Minami-Daitojima, 19 ii-10 iii, 1939.
5. **Enicospilus analis** MATSUMURA et UCHIDA シリグロアメバチ
1♀, Minami-Daitojima, 19 ii-10 iii, 1939.

6. *Enicospilus yanagiharai* n. sp. ヤナギハラアメバチ

Male. Length 22 mm. Antennae 16 mm.

Temples broad, but distinctly narrower than eye; face finely punctate; inner orbits of eye polished, clypeus somewhat sparsely punctate, apically truncate; a short carina between eyes; ocelli large and elevated, the base slightly distans from the eye; vertex and temples polished. Thorax densely and



Portion of front wing of
Enicospilus yanagiharai n. sp.

finely punctate; mesonotum without notauli, scutellum finely punctate, same level with mesonotum; meso- and metapleurae densely punctate; prepectal carina distinct; prepectus densely punctate; legs normal, claws pectinate; cubital cell bearing a hyaline space, containing three scleromes (corneous marks), proximal sclerome triangular, appendix reduced, scleroma distale slender, a sclersmata centrale above the scleroma distale: radial abscissa increased near the base; discocubitus geniculate, without white mark on the discocubital vein; nervulus antifurcal; nervellus broken below the middle. Abdomen slender, 1st tergite straight; 2nd tergite with a short lateral longitudinal furrow, which does not continue to the gastrocoeli, gastrocoeli before the middle, spiracle beyond apical third.

Ferruginous; inner and outer orbits and vertex white; wings hyaline, stigma and scleromes yellowish, veins dark brown.

Hab. 1♂, Kita-Daitojima, 18 iii. 1939.

Likely to *Enicospilus triguttatus* UCHIDA from Formosa, but differs from it in the propodeum densely punctate, the basal area of propodeum densely punctate and the posterior margin longitudinally striate.

7. *Limmerium daitojimense* n. sp. ダイトウスヒメバチ

Male. Length 7 mm. Antennae 4.5 mm.

Head seen from above thin, shorter than the space between the eyes, densely punctate; face as long as broad, with dense silver pilose; temples with sparse silver pilose; clypeus not separated from frons; malar space half length of the basal width of mandible; diameter of ocellus as long as ocell-ocular line, the latter much shorter than

postocellar line. Thorax much longer than deep, densely punctate and with silver pilose; pronotum densely punctate, lower margin obliquely striate; mesopleuron densely punctate, transversely striate on the front, the polished speculum with a transverse carina on the front lower portion; scutellum slightly elevated and densely punctate; propodeum reticulate and densely punctate, and with silver pilose; areola confluent to basal and posterior areas, much longer than broad, apically discrete, broadly towards the middle; spiracle spherical; legs slender, hind inner calcarium longer than half length of metatarsus, claws pectinate; areolet triangle, petiolate, the petiolate as long as areolet, emitting recurrent vein beyond the center; nervulus postfurcal; discocubitus slightly arched. Abdomen slender, 1st tergite straight, postpetiole strongly swollen, more than half as long as the slender petiole, spiracle in front of apical one-fourth; 2nd tergite strongly compressed; 3rd tergite about as long as 4th tergite; 4th and the following tergites strongly clavate.

Black; palpi pale yellow; front leg (except coxa) reddish yellow; a basal small mark of middle and hind tibiae pale yellow; segmental membranes of 2nd to 5th ventral segments of abdomen yellowish; wings hyaline, stigma and veins black.

Hab. Holotype: ♂, Minami-Daitojima, 18 iii, 1939. Paratype: 3♂♂, Minami-Daitojima, 19 ii-10 iii, 1939.

Likely to *Limnerium himalayens* CAMERON from India, but easily distinguished by the petiolar region of propodeum reticulate and middle and hind legs black.

8. **Bassus laetatorius** FABRICIUS アカハラヒラタアブヤドリバチ
Hab. 2♂♂, 1♀, Kita-Daitojima, 18 iii, 1939; 1♀, Minami-Daitojima, 19 ii-19 iii, 1939.
9. **Paniscus unicolor** SMITH アメバチ
Hab. 1♂, Kita-Daitojima, 18 iii, 1939.

Fam. Braconidae コマユバチ科

10. **Phanerotoma bicolor** SONAN キイロチビカウラコマユ
Hab. 1♀, Kita-Daitojima, 18 iii 1939.
11. **Apanteles molestae** MUESEBECK ナシヒメシンクヒサムライコマユ
Hab. 1♀, Minami-Daitojima, 19 ii-10 iii 1939.

12. *Microplitis daitojimensis* n. sp. ダイトウヤツココマユ

Male. Length 2.5 mm. Antennae 2.5 mm.

Head densely punctate; face slightly convex, densely punctate; clypeus densely punctate, apically rounded; post ocellar line shorter than ocell-ocular line; 1st flagellum as long as the 2nd to 3rd together. Thorax densely punctate, parapside furrow narrow, foveolate, front suture of scutellum broad, foveolate; scutellum densely punctate, lateral area of scutellum transversely striate; mesopleuron densely punctate and with densely silver pilose, the posterior portion polished; propodeum reticulate, with a distinct longitudinal carina on the middle; coxae densely punctate and with silver pubescence; hind tibial spars subequal, about one-third length of the metatarsus; cubital with three cells; 2nd cubital cell 4-sided; 3rd abscissa of cubitus as long as 1st intercubitus; 1st abscissa of radius as long as 1st abscissa of cubitus; 2nd abscissa of radius as long as 2nd intercubitus; nervulus postfurcal, inserted at the basal fourth of the 1st discoidal cell. Abdomen shorter than the head and thorax together; plate of 1st tergite parallel-sided, 2.5 times as long as broad, apically rounded, rugously punctate, with a median longitudinal furrow at the basal two-thirds, with a smooth median knob at the apex; 2nd and the following tergites polished; 2nd tergite shorter than the 3rd; the 3rd tergite is broadest.

Black; palpi pale yellow; fore leg (except coxa) reddish brown; middle leg (except coxa) and hind trochanters dark brown; basal half of hind tibia white; wings infusate, stigma, veins and tegulae black; two basal tergites yellowish brown.

Hab. 2 ♂♂, Minami-Daitojima, 19 ii-10 iii, 1939 (One is Holotype).

This species allied to *Microplitis theretrae* WATANBE, but distinguished by the head and scutellum densely punctate and cavity of frons with transverse striates; the basal half of hind tibia white.

13. *Meteorus yanagiharai* n. sp. ヤナギハラコシボソコマユ

Femal. Length 4 mm. Antennae 5 mm. Ovipositor sheath 1 mm.

Head polished, sparsely with white pilose; eyes convergent below, slightly emarginate at the inner margin; face smooth and finely punctate, with sparsely white pilose; clypeal suture distinct; clypeus convex, finely punctate, with silver pilose, apex rounded; frons finely

punctate; temples declined behind ocelli; malar space as long as the basal width of mandible; antennae 30-jointed, basal two joints of flagellum equal in length and five times as long as thick at apex. Thorax rugously punctate; pronotum rugously punctate; mesonotum with a longitudinal furrow at front margin, the furrow reaching the center; scutellum slightly elevated from the mesonotum, polished, the lateral area of scutellum rugously punctate; propodeum rugously punctate, without areola and carina; mesopleuron densely punctate, upper and lower portions rugously punctate; 1st abscissa of radius longer than half the 2nd abscissa; 1st abscissa of cubitus as long as 1st abscissa of radius; 2nd cubital cell subparallel, shorter than the height; recurrent vein interstitial; nervulus slightly beyond the basal vein; radiella without transverse vein. 1st tergite bent downwards, apical width half as long as the length, with longitudinal striate, without tracheal groove, distinct two fovea at the apex; 2nd and the following tergites polished.

Reddish brown; antennae dark brown, ocellar region, mesonotum, propodeum and 1st tergite black; meso- and metapleurae, apices of hind femora and the tarsus blackish; wings hyaline, stigma pale yellow and with blackish mark at the middle; veins pale yellow.

Paratypes: Color of mesothorax is variable, certain one entirely reddish brown and others partly blackish.

Hab. Holotype: ♀ Minami-Daitojima, 19 ii-10 iii, 1939. Paratype: 4 ♀ ♂, Minami-Daitojima, 19 ii-10 iii, 1939; 1 ♀, Kita-Daitojima, 18 iii, 1939.

Likely to *Meteorus versicolor* WESMAEL and *M. scutellator* NEES, but differs from them in the propodeum rugously punctate and without carina.

14. *Rhogas yanagiharai* n. sp. ヤナギハラホソコマユ

Female. Length 5 mm, Antennae 5 mm. Ovipositor sheath 1 mm.

Head transverse; face slightly convex, densely punctate, with a median longitudinal carina; clypeus concave, polished; malar space as long as the basal width of mandible; frons densely punctate. Thorax densely punctate, densely with white pilose, parapside furrow distinct; scutellum densely punctate, about 1.5 times of the width, the lateral margin carinate; frontal suture of scutellum foveolate;

mesopleuron densely punctate; propodeum rugously punctate, with a medianly longitudinal carina: hind tibial spurs short, with pubescence, about one-fifth of the metatarsus; 1st abscissa of radius half as long as the 2nd; 2nd cubital longer than the height, narrowed towards the apex; nervulus postfurcal, broken at basal third of 1st discoidal cell. Abdomen sessile, longitudinally striate, 1st tergite broad towards the apex, longer than the apical width; 2nd and 3rd tergites subquadrate, basal two tergites with a median longitudinal carina; apex of 3rd tergite, 4th and the following tergites polished.

Reddish yellow; apex of mandible and ocellar region black; wings hyaline, costa and stigma yellowish; veins black.

Hab. ♀, Minami-Daitojima, 19 ii-10 iii, 1939.

Like *Rhogas narangae* ROHWER, but differs from it in the 1st abscissa of radius much shorter than the 2nd; posterior margin of 3rd tergite, and the 4th and the following tergites polished.

Fam. Formicidae アリ科

15. *Paratrachia longicornis* LATREILLE ハヤアリ

Hab. 3♂, Minami-Daitojima, 19 ii-10 iii, 1939.

16. *Tetramonium guineese* FABRICIUS オホシワアリ

Hab. 2♂, Kita-Daitojima, 18 iii, 1939.

Fam. Larridae トガリアナバチ科

17. *Notogonia reticulatum* CAMERON アミアアナバチ (新稱)

Hab. 1♀, Kita-Daitojima, 18 iii, 1939; 3♀ 19 ii-10 iii, 1936.

Fam. Andrenidae ヒメハナバチ科

18. *Halictus statialis* COKERELL ミスヂヒメハナバチ (新稱)

Hab. 3♀♀, 3♂♂, Minami-Daitojima, 19 ii-10 iii, 1939.