



# HOKKAIDO UNIVERSITY

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**A LIST OF PIMPLINAE OF SAGHALIEN AND THE KURILES  
IN THE COLLECTION OF THE ENTOMOLOGICAL  
INSTITUTE, HOKKAIDO UNIVERSITY  
(HYMENOPTERA: ICHNEUMONIDAE)**

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In the collection of the Entomological Institute, Hokkaido University, there are many ichneumon-flies belonging to the subfamily Pimplinae collected in Saghalien and the Kuriles. Most of these already have been informed by S. Matsumura (1911, 1912 & 1930), T. Uchida (1925, 1928, 1929, 1930, 1934, 1935, 1936 & 1941), and T. Uchida and S. Momoi (1958 & 1959) as in the following publications:—

- Matsumura, S. 1911. Erster Beitrag zur Insekten-Fauna von Saghalien. Jour. Coll. Agr., Tohoku Imp. Univ. 4: 1-144.
- Matsumura, S. 1912. Thousand Insects of Japan, Supplement 4.
- Matsumura, S. 1930. Illustrated Thousand Insects of Japan, Volume 2.
- Uchida, T. 1925. Ueber zwei parasitischen Hymenopteren-Arten von *Pieris rapae* L. Trans. Sapp. Nat. Hist. Soc. 16: 501-510.
- Uchida, T. 1928. Dritter Beitrag zur Ichneumoniden-Fauna Japans. Jour. Fac. Agr., Hokk. Imp. Univ. 25: 1-115.
- Uchida, T. 1929. Drei neue Gattungen, neunzehn neue Arten und fünf neue Varietäten der Ichneumoniden aus Japan, Korea und Formosa. Ins. Mats. 3: 168-187.
- Uchida, T. 1930. Beschreibungen der neuen echten Schlupfwespen aus Japan, Korea und Formosa. Ins. Mats. 4: 121-132.
- Uchida, T. 1934. Beiträge zur Systematik der Tribus Acoenitini Japans. Ins. Mats. 9: 41-54.
- Uchida, T. 1935. Beiträge zur Kenntnis der Ichneumonidenfauna der Kurilen. Ins. Mats. 9: 108-122.
- Uchida, T. 1936. Erster Nachtrag zur Ichneumonidenfauna der Kurilen (Subfam. Cryptinae und Pimplinae). Ins. Mats. 11: 39-55.
- Uchida, T. 1941. Beiträge zur Systematik der Tribus Polysphinctini Japans. Ins. Mats. 15: 112-122.
- Uchida, T. et S. Momoi. 1958. On the species of *Polysphincta* Gravenhorst and *Zatypota* Förster from Japan. Ins. Mats. 22: 22-30.
- Uchida, T. et S. Momoi. 1959. On the species of the genera *Laufeia* and *Lycorina* occurring in Japan. Ins. Mats. 22: 82-87.

In the course of my studies on the Pimplinae I have had the opportunity to examine the collection. In this paper are listed 58 species of the Pimplinae occurring in Saghalien and the Kuriles in total, among which 12 species seem to be new to Saghalien and 3 species new to the Kuriles.

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### Tribe **Ephialtini**

1. ***Ephialtes hokkaidonis*** Uchida, 1928  
*Ephialtes hokkaidonis* Uchida, 1928: 86 (Saghalien).  
*Ephialtes manifestator* f. *hokkaidensis* Uchida, 1936: 51 (Kuriles).  
 Saghalien: 1 ♀, without detailed data; 1 ♀, Konuma, date unknown, S. Matsumura leg.; 1 ♀, Tarandomari, 25-27/vii. 1934, C. Watanabe et T. Inoue leg.  
 Kuriles: 1 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.
2. ***Dolichomitus crassigenus*** (Uchida, 1928)  
*Ephialtes crassigenus* Uchida, 1936: 53 (Kuriles).  
 Kuriles: 3 ♂, Seseki, Kunashiri, 16-17/vii. 1936, Y. Sugihara leg.; 1 ♂, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.
3. ***Dolichomitus chui*** (Uchida, 1934)  
 Saghalien\*: 1 ♀, without detailed data, S. Matsumura leg.
4. ***Dolichomitus nonmanifestator*** (Uchida, 1936)  
*Ephialtes antefurcalis* Matsumura (nec Thomson), 1911: 97 (Saghalien).  
*Ephialtes antefurcalis* Matsumura (nec Thomson), 1912: 137 (Saghalien).  
*Ephialtes manifestator* Uchida (nec Linné), 1928: 90 (Saghalien).  
*Ephialtes manifestator* Matsumura (nec Linné), 1930: 133 (Saghalien).  
*Ephialtes nonmanifestator* Uchida, 1936: 52 (Saghalien).  
 Saghalien: 1 ♀, Todoroki, 13/vii. 1930, C. Watanabe leg.
5. ***Dolichomitus mesocentrus*** (Gravenhorst, 1829)  
*Ephialtes mesocentrus* Uchida, 1928: 90 (Saghalien).  
 Saghalien: 1 ♀, Sakaihama, 27/viii. 1924, collector unknown; 1 ♀, Konuma, 28/ix. 1927, K. Tamanuki leg.; 1 ♀, Ichinosawa, 9/vii. 1930, C. Watanabe leg.
6. ***Dolichomitus tuberculatus*** (Fourcroy, 1785)  
*Ephialtes tuberculatus* Uchida, 1928: 88 (Saghalien).  
 Saghalien: 1 ♀, Furumaki, 26/vii. 1924, 2 ♀, without detailed data, S. Matsumura leg.; 1 ♀, Ohdomari, 28/vii. 1914, J. Adachi et S. Issiki leg.
7. ***Dolichomitus macropunctatus*** (Uchida, 1928)  
*Ephialtes macropunctatus* Uchida, 1936: 52 (Kuriles).  
 Kuriles: 1 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.

\* This mark indicates that the species is new to Saghalien or the Kuriles.

8. *Iseropus stercorator* (Fabricius, 1804)

*Iseropus graminellae* Uchida, 1928: 56 (Kuriles).

*Iseropus holmgreni* Uchida, 1935: 114 (Kuriles).

Saghalien\*: 1 ♀, 1 ♂, detailed locality unknown, 20/vii. 1923, S. Tabata leg., host—*Dendrolimus superans* Butler.

Kuriles: 1 ♀, Shana, Etorofu, 10/vii. 1927, 1 ♀, Iribushi, Kunashiri, 17/vii. 1927, K. Doi leg.; 1 ♀, Seseki, Kunashiri, 27–28/vii. 1935, T. Uchida leg.

9. *Acropimpta persimilis* (Ashmead, 1906)

*Epiurus persimilis* Uchida, 1928: 62 (Saghalien).

*Epiurus persimilis* Uchida, 1936: 54 (Kuriles).

Saghalien: 1 ♀, without detailed data, S. Matsumura leg.

Kuriles: 1 ♀, Yambetsu, Kunashiri, 22–25/vii. 1925, T. Uchida leg.

10. *Acropimpta jezoensis* (Matsumura, 1926)

*Epiurus jezoensis* Uchida, 1936: 54 (Kuriles).

I have never found any specimens of this species from the Kuriles in the collection.

11. *Acropimpta pictipes* (Gravenhorst, 1829)

Saghalien\*: 1 ♀, without detailed data, S. Matsumura leg.

12. *Scambus inquisitor* (Scopoli, 1763)

Kuriles\*: 1 ♀, Nikishiro, Kunashiri, 17–22/vii. 1935, T. Uchida leg.

13. *Scambus annulitarsis* (Ashmead, 1906)

*Epiurus annulitarsis* Uchida, 1928: 61 (Saghalien).

Saghalien: 1 ♀, Ohtani, 22/vii. 1914, S. Issiki et J. Adachi leg.

14. *Scambus kuwayamai* (Uchida, 1928)

Saghalien\*: 1 ♀, Takinosawa, 8/viii. 1930, C. Watanabe leg.

Kuriles\*: 3 ♀, Sahamambe, Etorofu, 19–20/vii. 1936, Y. Sugihara leg.

15. *Tromatobia variabilis* (Holmgren, 1854)

Saghalien\*: 1 ♂, Ohdomari, 28/vii. 1914, J. Adachi et S. Issiki leg.; 1 ♀, Maoka, 24/vii. 1934, C. Watanabe et T. Inoue leg.

Kuriles\*: 1 ♀, Yambetsu, Kunashiri, 22–25/vii. 1935, T. Uchida leg.

16. *Tromatobia ovivora* (Boheman, 1821)

*Tromatobia ovivora* Uchida, 1936: 54 (Kuriles).

Saghalien\*: 1 ♀, Hoyo, 16/viii. 1933, T. Uchida et al. leg.; 2 ♀, Kaibato, 30/vii.–2/viii. 1934, C. Watanabe et T. Inoue leg.

Kuriles: 1 ♀, Yambetsu, Kunashiri, 22–26/vii. 1925, T. Uchida, leg.

17. *Zaglyptus varipes* (Gravenhorst, 1829)

Saghalien\*: 1 ♀, Tarandomari, 25–27/vii. 1934, 1 ♀, Kurashi, 8/viii. 1934, C. Watanabe et T. Inoue leg.

Kuriles\* : 2♀, 2♂, Uruppu, 9-23/viii. 1936, Y. Sugihara leg.

#### Tribe **Polysphinctini**

18. *Zatypota albicoxa* (Walker, 1874)

*Poysphinctopsis eximia* f. *nigrithorax* Uchida, 1936: 54 (Kuriles).

*Zatypota albicoxa* f. *nigrithorax* Uchida, 1941: 122 (Kuriles).

*Zatypota albicoxa* Uchida et Momoi, 1958: 29 (Kuriles).

Kuriles : 1♀, Yambetsu, Kunashiri, 22-25/vii. 1935, T. Uchida leg.

19. *Schizopyga nipponica* Uchida, 1928

*Schizopyga nipponica* Uchida, 1936: 54 (Kuriles).

*Schizopyga nipponica* Uchida, 1941: 115 (Kuriles).

Kuriles : 2♀, 1♂, Seseki, Kunashiri, 27-28/vii. 1935, T. Uchida leg.; 1♂, Tokotan, Uruppu, 8/ix. 1927, K. Doi leg.; 1♀, *ibid.*, 9-22/vii. 1936, Y. Sugihara leg.

20. *Laufeia stigmata* (Uchida, 1941)

*Laufeia stigmata* Uchida et Momoi, 1959: 83 (Saghalien).

Saghalien : 1♀, Kaibato, 30/vii-2/viii. 1934, C. Watanabe leg.

#### Tribe **Theronini**

21. *Delomerista mandibralis* (Gravenhorst, 1829)

Kuriles\* : 1♀, Sahamambe, Etorofu, 19-20/vii. 1936, Y. Sugihara leg.

22. *Perithous japonicus* Uchida, 1928

*Perithous japonicus* Uchida, 1928: 91 (Saghalien).

Saghalien : 1♀, 1♂, Horo, 23/vii. 1933, T. Uchida et al. leg.

23. *Theronia atalantae* (Poda, 1761)

*Theronia japonica* Matsumura, 1911: 96 (Saghalien).

*Theronia japonica* Matsumura, 1912: 146 (Saghalien).

*Theronia japonica* Uchida, 1925: 501 (Saghalien).

*Theronia atalantae* Uchida, 1928: 40 (Saghalien; Kuriles).

*Theronia atalantae* Matsumura, 1930: 138 (Saghalien).

*Theronia atalantae* Uchida, 1935: 114 (Kuriles).

Saghalien : 5♀, 1♂, without detailed data, S. Matsumura leg.; 1♂, Toyohara, 24/viii. 1914, J. Adachi et S. Issiki leg.

Kuriles : 1♀, Yambetsu, Kunashiri, 22-25/vii. 1935, T. Uchida leg.

#### Tribe **Rhyssini**

24. *Rhyssa persuasoria* (Linné, 1758)

*Rhyssa persuasoria* Uchida, 1928: 81 (Saghalien; Kuriles).

*Rhyssa persuasoria* Uchida, 1935: 115 (Kuriles).

Saghalien : 3♀, without detailed data, S. Matsumura leg.; 1♀, detailed locality unknown, 20/vii. ?, K. Tamanuki leg.; 4♀, Motodomari, 17/viii. 1914, 1♀, *ibid.*, 16/viii.

1914, J. Adachi et S. Issiki leg.; 1 ♀, Konuma, 1 ♀, Kamiyo, 27/vii. 1924, S. Matsumura leg.; 1 ♂, Toyohara, 1/vii. 1925, F. Scriba leg.; 1 ♀, detailed locality unknown, 10/vii. 1933, 1 ♀, Tomarikishi, 21/vii. 1933, 1 ♀, Horo, 24/vii. 1933, T. Uchida et al. leg.

Kuriles: 1 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, 2 ♀, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

25. *Rhyssa joxana* Matsumura, 1912

*Rhyssa persuasoria* var. *amoena* Uchida (nec Gravenhorst), 1928: 82 (Saghalien; Kuriles).

*Rhyssa persuasoria* Matsumura (nec Linné), 1930: 135 (Saghalien).

*Rhyssa persuasoria* f. *amoena* Uchida (nec Gravenhorst), 1935: 115 (Kuriles).

Saghalien: 8 ♀, without detailed data, 1 ♀, Furumaki, 26/vii. 1924, S. Matsumura leg., 1 ♂, Toyohara, 11/vii. 1926, F. Scriba leg.; 1 ♀, Tomarikishi, 21/vii. 1933, collector unknown.

Kuriles: 4 ♀, 2 ♂, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

26. *Rhyssela approximator* (Fabricius, 1793)

Saghalien\*: 1 ♂, Konuma, 31/vii. 1929, K. Tamanuki leg.; 1 ♂, *ibid.*, 23/vii. 1934, C. Watanabe et T. Inoue leg.

27. *Rhyssela furanna* (Matsumura, 1921)

*Rhyssa approximator* Uchida (nec Fabricius), 1936: 51 (Kuriles).

Kuriles: 1 ♀, Seseki, Kunashiri, 16-18/vii. 1936, Y. Sugihara leg.; 1 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.

28. *Megarhyssa superba* (Schränk, 1790)

*Thalassa superba* Uchida, 1928: 83 (Saghalien; Kuriles).

*Megarhyssa superba* Uchida, 1935: 116 (Kuriles).

Saghalien: 2 ♀, Konuma, 13/vii. 1924, S. Takano et K. Tamanuki leg.; 1 ♀, Kawakami, 30/vii. 1924, S. Matsumura leg.

Kuriles: 1 ♂, Nikishiro, Kunashiri, 17-22/vii. 1935, 2 ♂, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

29. *Epirhyssa japonica* Cameron, 1886

*Epirhyssa japonica* Uchida, 1936: 51 (Kuriles).

Kuriles: 1 ♂, Nikishiro, Kunashiri, 20/vii. 1935, T. Uchida leg.

30. *Epirhyssa karafutonis* Matsumura, 1911

*Epirhyssa karafutonis* Matsumura, 1911: 59 (Saghalien).

This species was originally described from one female specimen collected at Chipsani, Saghalien. However, I have never found the type in the collection.

Tribe **Neoxoridini**

31. *Deuteroxorides orientalis* (Uchida, 1928)

*Deuteroxorides albitarsus* f. *orientalis* Uchida, 1936: 50 (Kuriles).

Kuriles : 1♂, Nikishiro, Kunashiri, 17-22/vii. 1935, 1♂, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

32. *Neoxorides collaris* (Gravenhorst 1829)

*Xorides collaris* Uchida, 1928 : 27 (Saghalien).

Saghalien : 1♀, Ichinosawa, 25/vii. 1925, 1♀, 1♂, Kiminai, 28/vii. 1924, T. Uchida leg.

Tribe **Xoridini**

33. *Odontocolon geniculatum* (Kriechbaumer, 1889)

Saghalien\* : 1♀, Toyohara, vii. 1923, collector unknown ; 1♀, Horo, 23/vii. 1933, T. Uchida leg. ; 1♀, Kurashi, 8/vii. 1934, C. Watanabe leg.

34. *Odontocolon karafutonis* (Uchida, 1928)

*Odontomerus karafutonis* Uchida, 1928 : 17 (Saghalien).

*Odontomerus jezoensis* Uchida (nec Uchida, 1928), 1936 : 51 (Kuriles).

Saghalien : 1♀ (type), Konuma, 17/vii. 1924, S. Takano et K. Tamanuki leg.  
Kuriles : 3♂, Rubetsu, Etorofu, 2-10/vii. 1935, 1♂, Shakotan, Shikotan, 23-27/vi. 1935, Y. Sugihara leg. ; 2♂, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.

35. *Odontocolon microclausum* Uchida, 1955

*Odontomerus nikkoensis* Uchida (nec Ashmead), 1936 : 50 (Kuriles).

Saghalien\* : 1♀, Suzuya, 13/viii. 1930, C. Watanabe leg. ; 1♂, Konuma, 23/vii. 1934, 3♀, 5♂, Kurashi, 8/viii. 1934, C. Watanabe et T. Inoue leg.

Kuriles : 1♂, Maruyama, Kunashiri, 26/vii. 1935, 2♂, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.

36. *Xorides konumensis* (Uchida, 1928)

*Xylonomus konumensis* Uchida, 1928 : 19 (Saghalien).

*Xorides konumensis* Uchida, 1936 : 49 (Kuriles).

Saghalien : 1♀, (type), Konuma, 20/vii. 1927, K. Tamanuki leg.

Kuriles : 1♂, Furukamappe, Kunashiri, 29/vii. 1935, Y. Sugihara leg.

37. *Xorides brachylabris* (Kriechbaumer, 1889)

*Xylonomus sachalinensis* Uchida, 1928 : 20 (Saghalien). **Syn. nov.**

Saghalien : 1♀ (type of *sachalinensis*), Konuma, 15/vii. 1927, K. Tamanuki leg.  
The present specimen is darker in ground color than European specimens.

38. *Xorides irrigator* (Fabricius, 1793)

Saghalien\* : 2♂, without detailed data, S. Matsumura leg. ; 1♂, Takinosawa, 8/viii. 1930, C. Watanabe leg.

39. *Xorides sepulchralis* (Holmgren, 1860)

Saghalien\* : 1♀, Noda, 6/viii. 1934, 1♀, Tarandomari, 25-27/vii. 1934, C. Watanabe et T. Inoue leg.

Tribe **Coleocentrini**40. ***Coleocentrus exitator*** (Poda, 1761)

*Lytarmes sapporensis* Matsumura, 1911: 96 (Saghalien).

*Coleocentrus sapporensis* Matsumura, 1912: 142 (Saghalien).

*Coleocentrus exitator* Uchida, 1928: 30 (Saghalien; Kuriles).

*Coleocentrus exitator* Uchida, 1934: 44 (Saghalien; Kuriles).

*Coleocentrus exitator* Uchida, 1935: 114 (Kuriles).

Saghalien: 1♂, Hoya, 1♂, Konuma, 1♀, Tarandomari, dates and collectors unknown; 1♀, Kusunnai, 6/viii. ?, K. Oguma leg.; 3♀, Kiminai, 27/vii. 1924, S. Matsumura leg.  
Kuriles: 7♀, Nikishiro, Kunashiri, 17-22/vii. 1935, 1♀, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

41. ***Coleocentrus caligatus*** Gravenhorst, 1829

*Lytarmes chipsanii* Matsumura, 1911: 97 (Saghalien).

*Coleocentrus chibisanii* Matsumura, 1912: 139 (Saghalien).

*Coleocentrus chipsanii* Uchida, 1928: 30 (Saghalien; Kuriles).

*Coleocentrus chibisanii* Matsumura, 1930: 134 (Saghalien).

*Coleocentrus caligator* f. *chipsanii* Uchida, 1934: 45 (Saghalien; Kuriles).

*Coleocentrus caligatus* f. *chipsanii* Uchida, 1935: 115 (Kuriles).

Saghalien: 1♂, Kina, 13/vii. ?, 1♀ (type of *chipsanii*), Chipsani, 23/vii. ?, K. Oguma leg.; 1♀, Furumaki, 26/vii. 1924, S. Matsumura leg.; 1♀, Tarandomari, 25-27/vi. 1934, 1♀, Tomarikishi, 25-27/vi. 1934, C. Watanabe leg.; 1♀, Hoya, 16/vii. 1933, T. Uchida et al. leg.

Kuriles: 1♀, Naibo, 23/vii. 1927, K. Doi leg.

Tribe **Acaenitini**42. ***Yamatarotes chishimensis*** (Uchida, 1929)

*Pseudarotes chishimensis* Uchida, 1929: 179 (Kuriles).

*Pseudarotes chishimensis* Uchida, 1934: 49 (Kuriles).

*Pseudarotes chishimensis* Uchida, 1935: 115 (Kuriles).

Kuriles: 1♂ (type), Arimoe, Etorofu, 14/viii. 1927, 1♂, Sanku, Etorofu, 1/viii. 1927, K. Doi leg.

43. ***Yamatarotes bicolor*** Uchida, 1929

*Yamatarotes bicolor* Uchida, 1936: 55 (Kuriles).

Kuriles: 1♂, Seseki, Kunashiri, 27-28/vii. 1935, T. Uchida leg.; 1♂, Nikishiro, Kunashiri, 17-22/vii. 1935, 1♀, 2♂, Maruyama, Kunashiri, 26/vii. 1935, T. Uchida leg.

44. ***Arotes odontus*** Uchida, 1934

*Arotes odontus* Uchida, 1934: 47 (Saghalien).

Saghalien: 1♀ (type), Ichinosawa, 24/vii. 1927, T. Uchida leg.

45. ***Phaenolobus karafutonis*** Matsumura, 1912

*Phaenolobus karafutonis* Matsumura, 1912: 140 (Saghalien).

*Phaenolobus karafutonis* Matsumura, 1930: 135 (Saghalien).

I have never found the type of this species in the collection.

### Tribe **Pimplini**

46. *Apechthis rufata* (Gmelin, 1790)

*Apechthis rufata* Uchida, 1928: 51 (Saghalien).

*Apechthis rufata* Uchida, 1936: 54 (Kuriles).

Saghalien: 1♂, Ohtani, 22/vii. 1914, J. Adachi et S. Issiki leg.

Kuriles: 1♀, Seseki, Kunashiri, 27-28/vii. 1935, T. Uchida leg.

47. *Apechthis capulifera* (Kriechbaumer, 1887)

*Apechthis capulifera* Uchida, 1936: 53 (Kuriles).

Kuriles: 1♀, Nikishiro, Kunashiri, 17-22/vii. 1935, T. Uchida leg.

48. *Apechthis compunctor* (Linné, 1746)

*Apechthis brassicariae* Uchida, 1928: 49 (Saghalien).

Saghalien: 2♂, without detailed data, host—*Dendrolimus superans* Butler; 1♀, Tobuchi, 8/ix. 1925, N. Ohba leg.

49. *Itoplectis tabatai* (Uchida, 1930)

*Pimpla tabatai* Uchida, 1930: 127 (Saghalien).

Saghalien: 1♀ (type), Toyohara, date unknown, S. Tabata leg.

This species is closely related to *Itoplectis alternans* (Gravenhorst), from which it differs by the prepectal carina distinctly sinuate above the fore coxa, the propodeum more extensively hairy on each side of the dorsal surface, and the coxae entirely and the trochanters at the base black.

50. *Pimpla turionellae* (Linné, 1758)

*Pimpla examiner* Uchida, 1928: 45 (Kuriles).

*Pimpla turionellae* Uchida, 1935: 113 (Saghalien; Kuriles).

Saghalien: 1♀, Enkotan, 23/vii. 1927, K. Tamanuki leg.

Kuriles: 3♀, 1♂, Uruppu, 9-23/vii. 1936, 1♀, Shana, Etorofu, 22-25/vii. 1936, Y. Sugihara leg.

51. *Pimpla disparis* Viereck, 1911

*Pimpla aterrima* var. *disparis* Uchida, 1928: 44 (Saghalien).

I have never found any specimens of this species from Saghalien in the collection.

52. *Pimpla insigator* (Fabricius, 1804)

*Pimpla insigator* Uchida, 1928: 45 (Saghalien).

*Pimplidea insigator* Uchida, 1936: 53 (Kuriles).

Saghalien: 2♀, 2♂, without detailed data, 1♀, Dainino-bo, 31/vii. 1916, S. Matsumura leg.; 1♂, Kaibato, 20/vii. 1920, 1♂, Toyohara, vii. 1923, collectors unknown; 1♂, Kaibato, 14/vi. 1928, 1♀, Ogawa, 2/vii. 1929, 1♀, Ohnuma, 9/vii. 1929, K. Tamanuki

leg.; 1 ♀, Kaibato, 30/vii.-2/viii. 1934, C. Watanabe et T. Inoue leg.

Kuriles: 1 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, 2 ♀, 1 ♂, Yambetsu, Kunashiri, 22-25/vii. 1935, T. Uchida leg.

53. *Pimpla parnarae* Viereck, 1911

*Pimpla luctuosa* Uchida (nec Smith) (in part), 1928: 47 (Kuriles).

Kuriles: 1 ♀, Shakotan, Shikotan, 27-31/vii. 1936, Y. Sugihara leg.

54. *Pimpla luctuosa* Smith, 1874

*Pimpla pluto* Uchida (nec Ashmead), 1928: 47 (Saghalien).

*Pimpla luctuosa* Uchida (in part), 1935: 114 (Kuriles).

Saghalien: 1 ♂, without detailed data, S. Matsumura leg.

Kuriles: 2 ♂, Tokotan, Uruppu, 6/ix. 1927, 1 ♀, Iribushi, Kunashiri, 17/vii. 1927, K. Doi leg.

55. *Pimpla pluto* Ashmead, 1906

*Pimpla luctuosa* Uchida (nec Smith) (in part), 1935: 114 (Kuriles).

Kuriles: 1 ♀, Tokotan, Uruppu, 23/ix. 1927, K. Doi leg.; 2 ♀, Nikishiro, Kunashiri, 17-22/vii. 1935, 1 ♀, Yambetsu, Kunashiri, 22-25/vii. 1935, T. Uchida leg.; 1 ♀, Shana, Etorofu, 11-20/vii. 1935, 1 ♂, Uruppu, 4-23/viii. 1936, Y. Sugihara leg.

56. *Pimpla aquilonia* Cresson, 1870

*Pimpla turionellae* Uchida (nec Linné), 1928: 42 (Saghalien; Kuriles).

*Pimpla turionellae* var. *melanaria* Uchida (nec Hellén) (in part), 1928: 43 (Kuriles).

*Pimpla contemplator* Uchida (nec Müller), 1935: 113 (Kuriles).

Saghalien: 1 ♀, Kashiho, 1/viii. 1932, H. Kôno et al. leg.

Kuriles: 49 ♀, 7 ♂, from Kunashiri, Etorofu, Uruppu and Shikotan.

57. *Pimpla nipponica* Uchida, 1928

*Pimpla spuria* var. *nipponica* Uchida, 1928: 45 (Saghalien).

Saghalien: 1 ♀, Kawakami, 30/vii. 1924, S. Matsumura leg.

58. *Pimpla melacris* Perkins, 1941

*Pimpla turionellae* var. *melanaria* Uchida (nec Hellén) (in part), 1928: 43 (Saghalien).

Saghalien: 2 ♀, Nr. Horonaigawa, 26/vii. 1932, H. Kôno et al. leg.; 1 ♀, Ichinosawa, 25/vii. 1924, 2 ♀, without detailed data, S. Matsumura leg.; 1 ♀, Tonnai, 24/vii. 1927, K. Tamanuki leg.

## BOOK REVIEWS

THE CICINDELIDAE OF CANADA. By J. B. Wallis. 10+74 pages, 4 colour plates, 4 figures & 16 maps. University of Toronto Press, 1961. Price \$ 5.00.

Mr. J. B. Wallis is one of Canada's most distinguished amateur entomologists, who has been so fond of the Cicindelidae or tiger beetles for years. This book is the fruit of his long course of study. An introduction (taxonomic categories and classification) including the definition of the family Cicindelidae and the discussion of the species and subspecies problem opens this book. The biology of tiger beetles, the genera of Canadian tiger beetles, and a key to 27 species of *Cicindela* occurring in Canada are included. The discussion of each species is brief and to the point, being accompanied by the geographical variation and subspecies, synonymy, relationships, habitat, and localities. It is desirable, however, to add a full bibliographic reference for each species. Distribution maps accompanying the study show in detail the known localities of occurrence in Canada for each species. This work will be of especial assistance to entomologists concerned with tiger beetles in Canada and to other persons who are interested in this family.

C. WATANABE

INSECTA JAPONICA. Series 1, 1961. Hokuryukan Publishing Co., Ltd., No. 55, 1 chome, Jimbo-cho, Kanda, Chiyoda-ku, Tokyo. Price \$ 8.00 (post-paid).

The first series of this new publication has been received. It consists of the following four parts, each part being a manual for the identification of Japanese insects belonging to a certain family:-

ODONATA: **Libellulidae**. By Syoziro Asahina. Series 1, Part 1, 90 pages, 178 text-figures & 7 plates.

HEMIPTERA: **Cicadidae**. By Tamotsu Ishihara. Series 1, Part 2, 35 pages, 12 text-figures & 4 plates.

HEMIPTERA: **Gerridae**. By Shoichi Miyamoto. Series 1, Part 3, 40 pages, 126 text-figures.

LEPIDOPTERA: **Geometridae** (1). By Hiroshi Inoue. Series 1, Part 4, 160 pages, 193 text-figures & 7 plates.

Although the main part of this publication is stated in Japanese, the summary in English including the keys and brief discussion of each species, and the illustrations in colour and in black and white make possible it to identify the species for foreign workers.

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