

New Host Records of Ichneumonidae from Japan (IV)

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Introduction

In the present study I have had the opportunity to examine a lot of Ichneumonid specimens bred from various hosts. In this paper are given new host records of 23 ichneumonflies occurring in Japan.

Parasite-Host Records

1. *Amblyjoppa proteus satanas* (Kriechbaumer, 1895)

New host record: 1♀, 4-v-1976, 1♂, 24-iv-1977, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from pupae of *Theretra oldenlandiae* Fabricius (Sphingidae, Lep.).

2. *Brachycryptus nawai* (Ashmead, 1906)

New host record: 1♂, 22-ix-1978, Uearata, Kagoshima-shi, Kyushu (K. Kusigemati), bred from cocoon of *Chrysopa boninensis* Okamoto (Chrysopidae, Neur.).

3. *Callajoppa pepsoides* (Smith, 1852)

New host record: 1♂ & 1♀, 10-v-1977, 1♀, 15-v-1977, 1♂ & 1♀, 23-v-1977, 2♀♀, 31-v-1977, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from pupae of *Herse convolvuli* Linné (Sphingidae, Lep.).

4. *Casinaria anastomosis* Uchida, 1930

New host record: 1♂ & 1♀, 2- & 3-iii-1963, Uearata, Kagoshima-shi, Kyushu (K. Kusigemati); 1♂, Uearata, Kagoshima-shi, (Y. Kôzaki). All specimens are bred from larvae of *Aedia leucomelas* Linné (Noctuidae, Lep.).

5. *Cnastis vulgaris* (Uchida, 1928)

New host record: 3♂♂, 20-iii-1979, Kurino-dake, Kagoshima-ken (K. Tsuda), bred from *Rhodopina lewisii* (Bates) (Cerambycidae, Col.) on *Quercus dentata* Thunb.

6. *Coccygomimus luctuosus* (Smith, 1874)

New host record: 2♀♀, 7-iv-1977, 1♀, 11-iv-1977, 1♀, 13-iv-1977, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from pupae of *Theretra pinastrina* Martyn (Sphingidae, Lep.).

7. *Diadromus subtilicornis* (Gravenhorst, 1829)

New host record: 1♂, 14-20-v-1964, Kozakawa, Wakayama-ken (T. Kumata), bred from *Acrolepia alliella* Semenov et Kuznetsov (Acrolepiidae, Lep.).

8. *Diplazon laetatorius* (Fabricius, 1781)

New host record: 1♀, 20-viii-1969, Kotobuki, Kanoya-shi, Kyushu (A. Tanaka), bred from puparium of *Spharophoria macrogaster* (Thomson) (Syrphidae, Dip.) on *Longiunguis sacchari* (Zehntner) (Aphididae, Hem.).

9. *Dolichomitus nakamurai* (Uchida, 1928)

New host record: 2♂♂, 20-iii-1979, Kurino-dake, Kagoshima-ken (K. Tsuda), bred from *Rhodopina lewisii* (Bates) (Cerambycidae, Col.) on *Quercus dentata* Thunb.

10. *Enicospilus tristrigatus* (Enderlein, 1912)

New host record: 1♀, 4-ii-1975, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from *Plusia intermixta* Warren (Noctuidae, Lep.).

11. *Ephialtes capulifera* (Kriechbaumer, 1887)

New host record: 1♂, 24-iii-1976, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from pupa of *Plusia intermixta* Warren (Noctuidae, Lep.).

12. *Eriborus sinicus* (Holmgren, 1868)

New host record: 3♀♀, x-1974, Kaitsu, Isahaya, Nagasaki-ken (T. Nakasuga), bred from *Ostrinia furnacalis* (Guenée) (Pyralidae, Lep.).

13. *Gelis asozanus* (Uchida, 1930)

New host records: 2♀♀, 8-v-1971, Kotobuki, Kanoya-shi, Kyushu (A. Tanaka), bred from cocoon of *Meteorus narangae* Sonan (Braconidae, Hym.) on *Leucania separata* Walker (Noctuidae, Lep.); 1♂, 11-ix-1972, Kotobuki, Kanoya-shi (A. Tanaka), bred from cocoon of *Campoletis chlorideae* Uchida (Ichneumonidae, Hym.) on *Aedia leucomelas* Linné (Noctuidae, Lep.).

14. *Jezarotes tamanukii* Uchida, 1928

New host record: 1♀, 1-vi-1980, 1♀, 2-vii-1980, Kurino-dake, Kagoshima-ken (T. Kinoda), bred from *Mesosa hirsuta* Bates (Cerambycidae, Col.) on *Quercus dentata* Thunb.

15. *Melalophacharops papilionis* (Ashmead, 1905)

New host record: 1♂, 6-xi-1974, Nago, Okinawa-ken (K. Ôhara), 1♂, 5-vi-1978, Nago, Okinawa-ken (S. Higa), all bred from 3rd instar larvae of *Papilio polytes polytes* Fruhstorfer (Papilionidae, Lep.) on *Citrus depressa* Hayata.

This species was originally described in 1905 from the Philippines as a parasite of *Graphium agamemnon* Linné by Ashmead, and in 1930 from Formosa as a parasite of *Natada furva* Wileman and *Arctornis alba* Cramer by Sonan. Having compared with their descriptions of *M. papilionis*, I have been convinced that these specimens should be identified with this species, which is new to Japan.

16. *Scambus (Scambus) glycinivorellae* (Kuwayama, 1928)

New host records: 1♂, 12-ix-1964, Sapporo, Hokkaido (T. Kumata) and 5♀♀, 17-ix-1964, Nopporo, Hokkaido (T. Kumata), bred from *Caloptilia magnoliae* Kumata (Lithocolletidae, Lep.); 3♂♂ & 5♀♀, 1-3-vii-1964, Sapporo, Hokkaido (K. Kusigemati) and 2♀♀, 17-vii-1964, 2♀♀,

21-vii-1964, Nopporo Hokkaido (K. Kusigemati), bred from *Exartema mori* Matsumura (Olethreutidae, Lep.).

17. *Therion circumflexum* (Linnaeus, 1758)

New host record: 2♀♀, 22-v-1968, Miyanoura, Yaku-shima, Kagoshima-ken (A. Mori), bred from *Leucania separata* Walker (Noctuidae, Lep.).

18. *Trathala flavoorbitalis* (Cameron, 1907)

New host record: 1♂, 18-ix-1970, Kotobuki, Kanoya-shi, Kyushu (A. Tanaka), bred from *Brachmia triannulella* Herrich-Schäffer (Gelechidae, Lep.).

19. *Triancyra galloisi* (Uchida, 1928)

New host record: 12♂♂ & 1♀, 20-iii-1979, 2♂♂, 18-iv-1979, 1♂, 19-iv-1979, Kurino-dake, Kagoshima-ken (K. Tsuda), bred from *Rhodopina lewisii* (Bates) (Cerambycidae, Col.) on *Quercus dentata* Thunb.

20. *Triclistus glovulipes* (Desvignes, 1856)

New host record: 1♀, 12-vii-1972, Koromogawa, Iwate-ken (H. Sato), 1♂, 11-vi-1972, 1♀, 4-vi-1973, 4♂♂ & 3♀♀, 16-vi-1973, 1♂, 9-vii-1973, 1♂, 18-vii-1973, 1♀, 21-vii-1973, 1♀, 22-vii-1973, 1♀, 30-vii-1973, Morioka, Iwate-ken (H. Sato), bred from pupae of *Ptycholomoides aerifera* Herrich-Schäffer (Tortricidae, Lep.).

21. *Triclistus japonicus* Kusigemati

New host record: 3♂♂ & 1♀, 30-ix-1974, Hosoyamada, Kagoshima-ken (A. Tanaka), bred from pupae of *Brachmia triannulella* Herrich-Schäffer (Gelechidae, Lep.).

22. *Vulgichneumon suignesis* (Uchida, 1929)

New host record: 1♀, 4-x-1960, Pipu, Hokkaido (S. Okuyama), bred from *Leucania separata* Walker (Noctuidae, Lep.).

23. *Xorides (Moerophora) nasensis* Uchida, 1956

New host record: 1♀, 17-iv-1979, Akatsuchiyama, Amami-ôshima, Kagoshima-ken (K. Tsuda), bred from *Olenecamptus formosanus* Pic (Cerambycidae, Col.).

Summary

Twenty-six new parasite-host records for 23 Japanese species of Ichneumonidae are given. *Melalophacharops papilionis* (Ashmead) has been known to occur in the Philippines and Formosa and to be parasitic on *Graphium agamemnon* Linné, *Natada furva* Wileman and *Arctornis alba* Cramer. It is also parasitic on *Papilio polytes polycles* Fruhstofer. This information is provided, together with the first record of the species from Japan.

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