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# NOTES ON SOME SPECIES OF BRACONIDAE OF JAPAN

## (HYMENOPTERA : BRACONIDAE)

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This information deals with five species of the Braconidae occurring in Japan in regard to synonymy and host records. On this occasion I wish to express my sincere thanks to Mr. K. Hattori, Mr. H. Kimura, Mr. M. Koike and Dr. J. Minamikawa for their kindness in offering the valuable material.

### Subfamily **Rogadinae**

1. ***Rogas pallidinervis*** Cameron

*Rhogas pallidinervis* Cameron, Wien. Ent. Zeit. 29: 97, ♀, 1910.
*Rogas pallidinervis*: Watanabe, Ins. Mats. 21: 46, ♀, Fig. 1, 1957.

Specimen examined: 1♀, Assabu, Hokkaido, 22-vii-62, K. Hattori leg., bred from the larva of *Euproctis flava*.

Host: *Euproctis flava* Bremer.

This species was originally described from Tsushima, islands situated between Japan and Korea. In 1957 I discussed it in detail, giving Japan and Manchuria as its localities, and yet no definite host associations of this parasite were apparent at that time. In this paper is included *Euproctis flava* in the host list of this parasite for the first time.

### Subfamily **Microgasterinae**

2. ***Apanteles liparidis*** (Bouché)

*Microgaster liparidis* Bouché, Naturg. d. Insect. 1: 152, 1834.
*Glyptapanteles politus* Ashmead, Proc. U. S. Nat. Mus. 30: 192, ♀♂, 1906.
*Apanteles awanomeigae* Watanabe, Ins. Mats. 16: 148, 1942 (pro *Glyptapantels politus* Ashmead, 1906, nec Riley, Trans. Acad. Sc. St. Louis 4: 307, 1881). **Syn. nov.**
*Apanteles liparidis*: Watanabe, Ins. Mats. 21: 3, 1957.

On the account of that *Glyptapanteles politus* Ashmead, 1906, is a junior secondary homonym of *Apanteles politus* Riley, 1881, the former was replaced by the new name *Apanteles awanomeigae* Watanabe in 1942. My own examination of the type of *G. politus* in the U. S. National Museum, however, has convinced me that *G. politus* is evidently the same species of *A. liparidis*. (See: Watanabe, 1957). Accordingly, *A. awanomeigae* must of necessity be sunken as synonym of *A. liparidis*.

[Insecta Matsumurana, Vol. 25, No. 2, April, 1963]

3. ***Apanteles thompsoni*** Lyle

*Apanteles thompsoni* Lyle, Bull. Ent. Res. 17: 415, ♀, 1927; Wilkinson, Trans. R. Ent. Soc. London 95: 130, ♀, Figs. 82–84, 1945.

*Apanteles awanomeigae* Watanabe, Ins. Mats. 16: 145, ♀♂, 1942 (part.).

Specimens examined: Type of *A. thompsoni* in British Museum (Nat. Hist.); 13♀♀, 7♂♂, Ôno, Hokkaido, 17-v-37, C. Watanabe leg., 5♂♂, 9♀♀, 13-i-62, Sapporo, Hokkaido, H. Kimura leg., bred from the larva of *Pyrausta nubilalis*.

Host: *Pyrausta nubilalis* Hübner.

Having examined the type and many other specimens of *Apanteles thompsoni* in the British Museum (Nat. Hist.), and seen Wilkinson's redescription of *A. thompsoni*, I have convinced that the specimens which are erroneously determined by Watanabe (1942) as members of *Apanteles awanomeigae* (=*Glyptapanteles politus*) should be, in reality, identical with *A. thompsoni*. Furthermore, it should be noted here that no males of this species had been known up to that time when they were discovered by myself in 1937, and that this species has been known to occur in Europe, Manchuria and Japan.

4. ***Apanteles glomeratus*** (Linné)

*Ichneumon glomeratus* Linné, Syst. Nat. Ed. 10a, 1: 568, 1758.

Specimens examined: 4♀♀, Fujimi, Nagano-ken, v-62, M. Koike leg., bred from the larva of *Protesia similis*.

Host: *Protesia similis* Fuessly.

This species has been known to be parasitic on various kinds of Lepidoptera belonging to several families in Europe, while in Japan only two Pierid species, *Pieris rapae* and *Aporia crataegi*, have been recorded as its hosts. In this paper is included *Protesia similis* in the host list of this parasite for the first time.

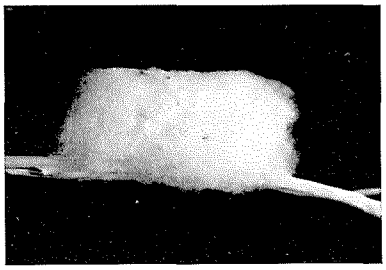

Fig. 1. Cocoon-mass of *Apanteles kariyai*.

5. ***Apanteles kariyai*** Watanabe

*Apanteles kariyai* Watanabe, Ins. Mats. 12: 41, ♀♂, Fig. 1, 1937; ibid., op. cit. 13: 131, 1939.

Specimens examined: Many examples, Tokyo, 18-viii-62, J. Minamikawa leg., bred from the larva of *Pseudaletia unipunctata*.

Host: *Pseudaletia unipunctata* (Howarth).

This species was originally described as a parasite of *Pseudaletia unipunctata* in Manchuria. The present information is, however, the first host record for this species to Japan. The cocoon-mass forms a woolly white ball of oval shape (Fig. 1), from which more than one hundred adults emerge.