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**NOTES ON THE GENUS *THERONIA*
(HYMENOPTERA: ICHNEUMONIDAE:
PIMPLINAE) OF MALAYSIA**

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ABSTRACT

A study on the genus of *Theronia* (Hymenoptera: Ichneumonidae: Pimplinae) from Malaysia was conducted. A total of five subgenera (*Theronia*, *Parema*, *Nomospechia*, *Augerella* and *Epitheronia*) and 19 species were successfully identified. Eight species from the subgenera *Theronia*, *Nomospechia*, *Augerella* and *Epitheronia* were recognized as new records for Peninsular Malaysia.

Key words: Peninsular Malaysia, Hymenoptera, Ichneumonidae, Pimplinae, *Theronia*

ABSTRAK

Kajian ke atas genus *Theronia* (Hymenoptera: Ichneumonidae: Pimplinae) dari Malaysia telah dijalankan. Sebanyak lima subgenera (*Theronia*, *Parema*, *Nomospechia*, *Augerella* dan *Epitheronia*) dan 19 spesies telah berjaya direkodkan. Lapan spesies dari subgenera *Theronia*, *Nomospechia*, *Augerella* dan

Epitheronia telah dicam sebagai rekod baru bagi Semenanjung Malaysia.

Kata kunci: Semenanjung Malaysia, Hymenoptera, Ichneumonidae, Pimplinae, *Theronia*

INTRODUCTION

Pimplinae is one of the subfamily that has a very diverse distribution especially in the Oriental region (Yu & Horstmann 1997). This subfamily is divided into three tribes namely the Ephialtini, Pimplini and Polysphinctini. However, Idris (1999) has listed that the tribe Ephialtini and Pimplini from Malaysia are under the subfamily Pimplinae. The genus *Theronia* was previously put under the subfamily Ephialtinae, tribe Theroniini by Gupta (1962) but it was then revised and put under the subfamily Pimplinae, tribe Theroniini by Gupta himself (1987). In 1997, Yu & Horstmann revised this genus and *Theronia* was put under the tribe Pimplini.

The genus *Theronia* superficially resembles the genus *Xanthopimpla* but it can be distinguished by three peculiar characters. First, the labrum of *Theronia* is concealed when the mandibles are closed, while that of *Xanthopimpla* is exposed and plate-like. Second, the mandible of *Theronia* is broad at its tip and both mandibular teeth are in the same plane, while that of *Xanthopimpla* is narrowed at its tip and its apex twisted so that the lower tooth is toward the mouth. Third, the anterior margin of the mesopleurum is evenly curves in *Theronia* and not elevated into a ridge as in the case of *Xanthopimpla* (Gupta, 1962).

The species of *Theronia* are most numerous in southern and southeastern Asia, the East Indies and the Ethiopian as well as Neotropical regions. Little is known of their habits and place of occurrence but they inhabit mostly dense forests (Gupta 1962). Nevertheless, this genus is also recorded as parasitoid of harmful insects in oil palm (Mexzón & Chinchilla 1996). In spite of its importance, the knowledge of *Theronia* is scanty. There were so many indetermination and confusion in the study of this genus. The most intensive work was done by Gupta (1962), where keys

and description of *Theronia* from Indo-Australia were provided. They are no other new record or species described from Malaysia since that year.

Therefore, this study is hope to in-put more information on taxonomy and distribution of the genus *Theronia* from Malaysia.

MATERIALS AND METHODS

All specimens examined were from the collection of The Centre of Insect Systematics, UKM (CIS) and field samplings from various forest reserved areas and national park throughout Malaysia. An identification of the species was based on key and descriptions by Gupta (1962) and type specimens loaned from the British Museum (Natural History), Cromwell Road, London, UK.

RESULTS AND DISCUSSION

A total of 19 species from five subgenera namely the *Theronia*, *Parema*, *Nomosphecia*, *Augrella* and *Epitheronia* was successfully recorded. Of these eight species was new record for Malaysia. These species are *Theronia (Theronia) maculosa* Krieger, *Theronia (Theronia) arrosor* Tosquinet, *Theronia (Theronia) clathrata flavolineata* Cameron, *Theronia (Theronia) frontella fasciata* Gupta, *Theronia (Theronia) punctata incompleta* Gupta, *Theronia (Nomosphecia) insolens ambona* Gupta, *Theronia (Augrella) inserta* Gupta and *Theronia (Epitheronia) fidentia* Gupta (Table 1). It is expected that more new record or new species of genus *Theronia* would be described if further study is conducted, as the last study done in Malaysia was about 30 years ago.

Table 1. List of subgenera and species of the genus *Theronia* from Malaysia

Subgenus	Species	Locality
<i>Theronia</i>	<i>Theronia (Theronia) zebra zebra</i> Vollenhoven, 1879	Kuala Lumpur, Sabah
	<i>Theronia (Theronia) pseudozebra</i> <i>pseudozebra</i> Gupta, 1962	Sabah, Pahang, Kedah
	<i>Theronia (Theronia) lucida</i> Cameron, 1903	Sarawak, Sabah
	<i>Theronia (Theronia) nigrivertex</i> Gupta, 1962	Perak, Pahang
	<i>Theronia (Theronia) clathrata</i> <i>malayensis</i> Gupta, 1962	Pahang
	<i>Theronia (Theronia) maculosa</i> Krieger, 1906*	Selangor
	<i>Theronia (Theronia) arrosor</i> Tosquinet, 1903*	Pahang
	<i>Theronia (Theronia) clathrata</i> <i>flavolineata</i> Cameron, 1905*	Pahang
	<i>Theronia (Theronia) frontella</i> <i>fasciata</i> Gupta, 1962*	Pahang
	<i>Theronia (Theronia) punctata</i> <i>incompleta</i> Gupta, 1962*	Negeri Sembilan

Table 1 continue...

...Table 1 continued

<i>Parema</i>	<i>Theronia (Parema) nigrobalteata callida</i> Tosquinet, 1903	Penang, Sabah, Kedah, Pahang, Selangor, Johor, Negeri Sembilan
<i>Nomosphecia</i>	<i>Theronia (Nomosphecia) zebroides zebroides</i> Krieger, 1906	Penang, Sarawak, Pahang, Selangor, Negeri Sembilan, Johor
	<i>Theronia (Nomosphecia) pyramida pyramida</i> Gupta, 1962	Kedah, Perak
	<i>Theronia (Nomosphecia) scutellata scutellata</i> Gupta, 1962	Sabah, Pahang, Negeri Sembilan, Sarawak
	<i>Theronia (Nomosphecia) insolens ambona</i> Gupta, 1962*	Pahang
<i>Augerella</i>	<i>Theronia (Augerella) orientalis borneensis</i> Gupta, 1962	Sabah
	<i>Theronia (Augerella) inserta</i> Gupta, 1962*	Negeri Sembilan
<i>Epitheronia</i>	<i>Theronia (Epitheronia) fidentia</i> Gupta, 1962*	Negeri Sembilan
	<i>Theronia (Epitheronia) tomeus</i> Gupta, 1962	Sabah, Kedah, Negeri Sembilan

*new record for Malaysia

SYSTEMATICS NOTES

Subgenus: *Theronia* Holmgren*Theronia (Theronia) zebra zebra* Vollenhoven

Pimpla zebra Voll., 1879, Stett. Ent. Ztg. **40**: 147, ♀, des.; type :
♀, Java : Ambarawa (LEIDEN).

Pimpla zebra, Cameron, 1891, Manchester Lit. Phil. Soc., Mem.
& Proc. (4) 4:186. "India", host : *Cricula trifenestrata* [?]

Theronia zebra, Roman, 1913, Arkiv Zool. **8** (15): 15, ♀, des.;
Philippines (in part): [Misdet ?].-Morley, 1914, Rev.
Ichneumonidae British Mus. 3: 45, ♂, key, syn., des.; (in
part); 1914, Ann. Mag. Nat. Hist. Ser. 8, **14**: 408, syn. (in
part). -Rohwer, 1918, U.S. Natl. Mus., Proc. **54**: 566, ♀,
Java: Bogor; host: *Cricula trifenestrata*. -Menzel, 1925,
Gouv. Kina-Proefsta. Java, Meded. **9**: 60, Indonesia; host:
Cricula trifenestrata. -Dammerman, 1929, The agricultural
zoology of the Malay Archipelago, p. 353, des., fig.; host:
Cricula sp. -Lopez, 1931, Philippine Sugar Assoc., Ann. Rpt.
Res. Bur. 1930-31: 272, Philippines; in sugarcane fields;
[Misdet?].-Tjoa, 1939, Landbouw **15**: 502, fig., biol. Java.;
host: *Hidari irava* -Kalshoven, Sody & Bommel, 1951, De
plagen van de cultuurgewassen in Indonesië **2**: 647, 654,
hosts: *Eurema blanda* or *Eurema hecabe*; *Hidari irava*

Theronia (Theronia) zebra zebra: Gupta, 1962. Pacific Ins.
Monogr., 4:16. M, F. n. status, key, des., fig. India: Karnataka:
Ammatti, 950 m. Malaysia: Malaya: Kuala Lumpur. Sabah:
Sandakan. Singapore. Indonesia: Java: Sukabumi, 640m.;
Magelang; Bogor; Mt. Salak, 400m., Tjiapus; Bandung; Mt.
Malang, Djampang Wetan; Mt. Timerans, Djampang
Tengah.

Theronia zebra zebra Gupta, 1970. Ichneumon Hunting in India,
p. 59. rev. status.

Spesimens examined : None

Host records: *Erionota thrax*, *Delias belisama*, *Cricula trifenestrata*, *Hidari irava*, and from literature: *Eurema blanda* or *Eurema hecabe*

Distribution: Malaya, Singapore, Borneo, S. India, Java, Philippines

***Theronia (Theronia) pseudozebra pseudozebra* Gupta**

Theronia (Theronia) pseudozebra pseudozebra Gupta, 1962. Pacific Ins. Monogr., **4**: 21. M, F. key, des. Type: F, Malaysia: Sabah: Sandakan (WASHINGTON). Malaysia: Malaya: Fraser's Hill, 1300 m., Pahang; Kedah Peak, 1200 m. Penang I. Indonesia: Java: Dikarang, Mts. Djampang Tengah; Ditalahab, Mts. Djampang Tengah.

Theronia pseudozebra pseudozebra Gupta, 1970. Ichneumon Hunting in India, p.60. rev. status.

Theronia (Poecilopimpla) pseudozebra pseudozebra : He, 1984. Acta Agri. Univ. Zhejiangensis, **10**: 84. M, F. biol. China: Guangdong: Chaoqing; Guangxi: Xiuanzhou; Guizhou: Meitan

Specimens examined: PAHANG: Hutan Kuala Lompat, 1 ♀, 11-17, v, 1999, Ruslan & A.Nizar

Host records: *Parnara guttata*.

Distribution: China. Malaysia; Malaya; Sabah. Indonesia: Java

***Theronia (Theronia) lucida* Cameron**

Poecilopimpla lucida Cam., 1903, Straits Branch R. Asiatic Soc., Jour, **39**: 141, ♂, des. ; lectotype (hereby designated): ♂, Sarawak: Kuching (BMNH)

Theronia lucida Townes & Townes, 1960, U.S. Natl. Mus. Bull. 216 (**2**): 351, syn. –Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1:74. Sarawak.

Theronia (Theronia) lucida Gupta, 1962. Pacific Ins. Monogr., 4: 37. M., F. lectotype design., key, des. "Borneo". Sabah: Sandakan.

Theronia lucida Gupta, 1970. Ichneumon Hunting in India, p. 61. rev. status.

Specimens examined: none

Host records: not known

Distribution: Malaysia: Sarawak; Sabah; "Borneo"

Theronia (Theronia) nigrivertex Gupta

Theronia (Theronia) nigrivertex Gupta, 1962. Pacific Ins. Monogr., 4: 45. F. key, des. Type: F, Malaysia: Malaya: Perak: Jor Camp, 550m., Padang, Batang (WASHINGTON). Malaya: Cameron Highlands; Terbukui, 1200m.

Theronia nigrivertex Gupta, 1970. Ichneumon Hunting in India, p. 61. rev. status.

Specimens examined: none

Host records: not known

Distibution: Malaysia: Malaya

Theronia (Theronia) clathrata malayensis Gupta

Theronia (Theronia) clathrata malayensis Gupta 1962. Pacific Ins. Monogr., 4: 50. F. key, des. Type: F, Malaysia: Malaya: Pahang, Fraser's Hill, 1300m. (LONDON)

Theronia clathrata malayensis Gupta, 1970. Ichneumon Hunting in India, p. 61. rev. status

Specimen examined: PAHANG: Taman Negara Merapoh, 1 ♀, 29 viii – 4. viii. 2005, Dayana, Roslan, Fauzi

Host records: not known

Distribution: Malaysia: Malaya

***Theronia (Theronia) maculosa* Krieger**

Theronia maculosa Krieger, 1906. Ztschr. System. Hymen. Dipt.,
6: 239. F. des. In key. Lectotype (designated by Townes,
 Townes & Gupta, 1961): F, Australia: Tasmania: [Dunalley]
 (BERLIN). South Australia;-Morley, 1914. Revision of the
 Ichneumonidae in the British Museum, **3**: 39.key.

Theronia viridicans Morley, 1914. Revision of the Ichneumonidae
 in the British Museum, **3**: 46. M, F. key, syn. (in part), des.
 Type: F, Australia: Tasmania (LONDON). Australia: Victoria.
 Syn. By Townes, Townes & Gupta, 1961.

Theronia maculosa: Townes, Townes & Gupta, 1961. Mem. Amer.
 Ent. Inst., 1:74. lectotype desig., syn. Australia. Tasmania.

Theronia (Theronia) maculosa Gupta, 1962. Pacific Ins. Monogr.,
4: 46. M, F. n. status. Key, syn., des., fig. Australia: Victoria;
 New South Wales: Abor, 1500m.; Waitpinga, Deep Creek;
 Wedge Bay. Tasmania: Eagle-hawk Neck; Mt. Wellington, 400-
 700 m.; Hobart.

Theronia maculosa Gupta, 1970. Ichneumon Hunting in India, p.
 61. rev. status; -Chadwick & Nikitin, 1976. J. Ent. Soc.
 Australia (N.S.W.), **9**: 31. Australia: New South Wales:
 Wologong; Dorrigo. Hosts:?*Anthela acuta* cocoons;
Antheraea astrophela pupa.

Theronia (Theronia) maculosa Gauld, 1984b. Bull. Brit. Mus. Nat.
 Hist. (Ent.), **49**: 314. M, F. key, des., fig. Australia: Localities
 in New South Wales; SE. Queensland; South Australia;
 Tasmania; Victoria. Host: *Anthela acuta*; *Antheraea*
astrophela

Specimen examined: SELANGOR: H.Simpan Kuala Langat
 Utara, 1 ♀, 6. vii. 2001, Hainidah & Ruslan.

Host records: *Anthela acuta*; *Antheraea astrophela*

Distribution: Australia: New South Wales; Victoria. Queensland; South Australia; Tasmania.

Remarks: This species is a new record for Malaysia

***Theronia (Theronia) arrosor* Tosquinet**

Pimpla arrosor Tosquinet, 1903. Mem. Soc. Ent. Belgique, **10**: 75. F. des. Type: F, Indonesia: Sulawesi: Tolitoli (BRUSSELS)

Theronia arrosor Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., **1**: 72. Sulawesi.

Theronia (Theronia) arrosor Gupta, 1962. Pacific Ins. Monogr., **4**: 30. M, F. key, des. Indonesia: Sulawesi: Mt. Latimodjong: Uru, 800 m.; Malino

Specimen examined: PAHANG : Hutan Kuala Lompat, 1 ♀, 11-17. v. 1999, Ruslan & A.Nizar

Host records: not known

Distribution: Indonesia: Sulawesi

Remarks: This species is a new record for Malaysia

***Theronia (Theronia) clathrata flavolineata* Cameron**

Erythrotheronia flavolineata Cameron, 1905. Spolia Zeylanica, **3**: 134. M, F. Des., fig. Lectotype (designated by Townes, Townes & Gupta, 1961): F, Sri Lanka: Kandy (LONDON).

Theronia flavolineata Schmiedeknecht, 1907. Genera Insectorum, **62**: 58. n.comb.

Erythrotheronia flavolineata Morley, 1913. Fauna of British India, Hymenoptera, **3**: 150. M, F. key, des., fig. Sri Lanka: Kandy.

Theronia flavolineata Townes, 1940. Ann. Ent. Soc. America, **33**: 289.290.

Theronia (Theronia) clathrata flavolineata Gupta, 1962. Pacific Ins. Monogr., 4: 49. F. n. status, key, des. Sri Lanka: Kandy. India: Tamil Nadu: Planey Hills: Kodaikanal, 2000 m.

Theronia clathrata flavolineata Gupta, 1970. Ichneumon Hunting in India, p. 61. rev. status

Specimen examined: PAHANG : Hutan Kuala Lompat, 1 ♀, 24. xi. 1997, Azura, Zabidi, Faisal

Host records: not known

Distribution: India: Tamil Nadu. Sri Lanka

Remarks: This species is a new record for Malaysia

***Theronia (Theronia) frontella fasciata* Gupta**

Theronia (Theronia) frontella fasciata Gupta, 1962. Pacific Ins. Monogr., 4: 44. M. F. key, des. Type: F, Philippines: Samar (WASHINGTON). Philippines: Mindanao: Dapitan; Butnan; Illigan; Surigao; Cotabato

Theronia frontella fasciata Gupta, 1970. Ichneumon Hunting in India, p. 61. rev. status

Theronia (Poecilopimpla) frontella fasciata Momoi, 1971. Pacific Ins., 13: 132. F. Philippines: Mindanao: Zamb. Del Sur, Domingug.

Specimen examined: PAHANG : Taman Negara Merapoh, 1 ♀, 29. viii – 4. viiii. 2005, Dayana, Roslan, Fauzi

Host records: not known

Distribution: Philippines : Mindanao

Remarks: This species is a new record for Malaysia

***Theronia (Theronia) punctata incompleta* Gupta**

Theronia (Theronia) punctata incompleta Gupta, 1962, Pacific Ins. Monogr., **4**: 29. M. F. key, des. Type: F, Philippines: Mindoro: Victoria: Alcate (GAINESVILLE). Philippines: Mindoro: Calapan: San Luis

Theronia punctata incompleta Gupta, 1970. Ichneumon Hunting in India, p. 60. rev. status

Specimen examined: NEGERI SEMBILAN: Pasoh Forest Reserve, logged area 1 ♂, 11. ii. 2003, vertical 0m, Ng, Y.F. & Pua G.K.

Host records: not known

Distribution: Philippines : Mindoro

Remarks: This species is a new record for Malaysia

Subgenus: *Parema* Gupta

***Theronia (Parema) nigrobalteata callida* Tosquinet**

Theronia zebra Krieger, 1899. Sitzber. Naturf. Gesell. Leipzig, 1897/98: 144. F. Msdet. of zebra Vollenhoven

Xanthopimpla nigrobalteata Cameron, 1902. J. Straits Branch Roy. Asiatic Soc. **37**: 47. F. Name preocc. in *Theronia* by Cameron 1899. des. Type: F, Borneo (London), Syn. By Gupta, 1962.

Theronia callida Tosquinet, 1903. Mem. Soc. Ent. Belgique, **10**: 91. F. des. Type : F, Indonesia : Java : Sukabumi, 2000 ft. (Lost)

Theronia zebra zebra Krieger, 1906. Ztschr. System. Hymen. Dipt., **6**: 235. M, F. misdet of zebra Vollenhoven. key. Java. Sumatra.

Theronia zebra Roman, 1913. Arkiv for Zool. **8** (15): 15. F. syn., des. Philippines. (in part). [Occurrence in Philippines unlikely]

- Orientotheronia maculipes* Morley, 1913. Fauna of British India, Hymenoptera, **3**: 148. (in part). [Specimen from Singapore belong to this subspecies]
- Theronia nigrobalteata* Krieger 1914. Arch. F. Naturgesch., (A) **80** (6): 18. n. comb.
- Theronia zebra* Morley, 1914. Revision of the Ichneumonidae in the British Museum, **3**: 45. M, F. key, syn., des. (in part). [Specimen from Singapore belong to this subspecies]
- Theronia Parema nigrobalteata callida* Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., **1**: 74. n.status, syn. Singapore. Java. Sumatra. Borneo.
- Theronia (Parema) nigrobalteata callida* Gupta, 1962. Pacific, Ins, Monogr., **4**: 58. M. F. n. comb., key, syn., des., fig. Malaysia: Malaya: Penang Is. Tandjong Karang, 100m. Tandjong Morowa, Serdang. Java: Djampang Tengah, Mt. Tjisuru, 600-800 m.; Koba, Bangka; Mt. Tjiampea, 250m. Bogor (= Buitenzorg); Mt. Malang, Djampang Tengah. Kalimantan: Siluas Sambas.
- Parema nigrobalteata callida*, Gupta 1970. Ichneumon Hunting in India, p.62. n.comb

Specimens examined:

NEGERI SEMBILAN: Pasoh Forest Reserve, 1 ♀, 7 iii 2002, 50 ha plot vertical, 0m, Ng. Y.F. & Ruslan; Pasoh Forest Reserve, 1 ♀, 15. iii. 2003, 50 ha plot vertical, 0m, Ng. Y.F. & Ruslan; Pasoh Forest Reserve, 2 ♀, 12. v. 2002, 50 ha plot vertical, 0m, Ng. Y.F. & Ruslan; Hutan Pasoh, 2 ♀, 11. xi. 1999, Rozienah;

PAHANG: Hutan Kuala Lompat, 1 ♀, 22-28 vi 1999, Ruslan & A.Nizar; Kuala Lompat, 3 ♀, 21. vii. 1998, Hasnah, Azura & Roslan; Kuala Lompat, 1 ♀, 29. vi-5. vii. 1999, Ruslan & A.Nizar; Hutan Kuala Lompat, 3 ♀, 11-17. v. 1999, Ruslan & A.Nizar;

SELANGOR: Hutan Simpan Kuala Langat Selatan, 1 ♀, 4. ix. 2001, Hainidah & Zabidi; Hutan Simpan Kuala Langat Utara, 1 ♀, 20. ix. 2001, Hainidah & Zabidi; Hutan Simpan Kekal Bangi, 2 ♀, 9. x. 2001, Hainidah & Zabidi;

JOHOR: Sagil, G. Ledang, 300m, 1 ♀, 1-30. iv. 2003, Chew Keng Ling;

KELANTAN: Dabong, G. Stong, 25-28. v. 2003, CIS (Trail 4).

Host records: none

Distribution: Singapore. Malaysia: Malaya; Sabah. Indonesia: Sumatra; Java; Borneo

Subgenus: *Nomosphecia* Gupta

***Theronia (Nomosphecia) zebroides zebroides* Krieger**

Theronia zebroides Krieger, 1906. Ztschr. System. Hymen. Dipt., 6: 236. F. Des. in key. Type: n F, Indonesia: Sumatra (BERLIN).-Morley, 1914. Revision of the Ichneumonidae in the British Museum, 3: 44. M, F. syn. (in part).- Cushman, 1933. Insecta Matsumurana, 8: 47. key.

Theronia zebroides zebroides Townes, Townes & Gupta, 1961, Mem. Amer. Ent. Inst., 1: 78. n. status. Sumatra.

Theronia (Nomosphecia) zebroides zebroides Gupta, 1962. Pacific. Ins. Monogr., 4: 71. F. n. comb., key, des. Malaysia: Malaya: Water Fall garden, Penang I. Sarawak: Mt. Matang, 300m. Indonesia: Sumatra: Sarik. Java: Mt. Malang, Djampangs Wetan Mts.; Ditalahab, Djampangs Tengah Mts.: Radjamandala, 350m. Bangka I.: Pangkal Pinang. Host: *Eumenes arcuata*

Nomosphecia zebroides zebroides Gupta 1970. Ichneumon Hunting in India, p. 63 n. comb.

Specimen examined:

PAHANG: Hutan Kuala Lompat. 1 ♀, 13. x. 1999, Ruslan & A. Nizar; Hutan Kuala Lompat, 1 ♀, 15-21. vi. 1999, Ruslan & A.Nizar; Hutan Kuala Lompat, 1 ♀, 8-14. vi. 1999, Ruslan & A.Nizar; Hutan Kuala Lompat, 1 ♀, 20. x. 1999, Ruslan & A.Nizar; Kuala Lompat, 1 ♀, 10. viii. 1999, Rozienah; Kuala Lompat, 1 ♀, 24. viii. 1999, Ruslan & A.Nizar;

SELANGOR: Hutan Simpan Kekal Bangi, 1 ♀, 14. ix. 2001, Hainidah & Ruslan;

NEGERI SEMBILAN: Pasoh Forest Reserve, 2 ♀, 7. vii. 2002, 50 ha plot, vertical 0m, Ng Y.R & Ruslan; Pasoh Forest Reserve, 1 ♀, 3. i. 2003, 50 ha plot, vertical 6m, Ng Y.F. & Pua G.K.; Pasoh

Forest Reserve, 1 ♀, 10. xi. 2002, 50 ha plot, vertical 6m, Ng Y.F. & Ruslan; Pasoh Forest Reserve, 2 ♀, 23. x. 2002, 50 ha plot, vertical 12m, Ng Y.F. & Ruslan; Pasoh Forest Reserve, 2 ♀, 23. x. 2002, 50 ha plot, vertical 0m, Ng Y.F. & Ruslan;
JOHOR: Sagil, G.Ledang, 300m, 1 ♀, 1-30. iv. 2003, Chew Kung Ling.

Host records: *Eumenes arcuata*

Distributions: Malaysia: Malaya; Sarawak. Indonesia: Sumatra; Java; Bangka I.

***Theronia (Nomosphecia) pyramida pyramida* Gupta**

Theronia (Nomosphecia) pyramida pyramida Gupta, 1962. Pacific Ins. Monogr., 4: 80. M. Key, des. Type: M, Malaysia: Malaya: Kedah Peak, 1200 m. (GUPTA)

Theronia (Nomosphecia) pyramida pyramida Momoi, 1968. Kontyu, 36: 183. F. Thailand: Chiang Mai: Doi Sutep

Nomosphecia pyramida pyramida Gupta, 1970. Ichneumon Hunting in India, p. 63. n. comb.

Specimens examined: PERAK: Hutan Simpan Sungkai; 1 ♀, 23-29 vi 2000, Soon, Ufuk 4.

Host records: not known

Distributions: Thailand. Malaysia: Malaya.

***Theronia (Nomosphecia) scutellata scutellata* Gupta**

Theronia (Nomosphecia) scutellata scutellata Gupta, 1962. Pacific Ins. Monogr., 4: 82. M. Key, des. Type: F, Singapore (WASHINGTON). Malaysia: Sabah: Sandakan.

Nomosphecia scutellata scutellata Gupta, 1970. Ichneumon Hunting in India, p. 63. n. comb.

Specimens examined:

PAHANG: Hutan Kuala Lompat, 1 ♀, 18-24 v 1999, Ruslan & A.Nizar;

NEGERI SEMBILAN: Hutan Pasoh, 1 ♀, 11 xi 1999, Rozienah;

SARAWAK: Betong, 1 ♀, 10-23 i 2008, CIS.

Host records: not known

Distributions: Malaysia: Sabah. Singapore.

***Theronia (Nomosphacia) insolens ambona* Gupta**

“An Ichneumonid parasite”: Williams, 1919. Bull. Hawaii. Sugar Planter’s Assoc., Ent. Ser., **14**: 172. biol. Host: *Stenogaster* sp.

Theronia (Nomosphacia) insolens ambona Gupta, 1962. Pacific Ins. Monogr., **4**: 85. F. Key, des. Type: F, Philippines: Luzon: Los Banos (GAINESVILLE). Philippines: Samar. Host: *Stenogaster timidus*.

Nomosphacia insolens ambona Gupta, 1970. Ichneumon Hunting in India, p. 64. n. comb.

Specimens examined: PAHANG: Hutan Kuala Lompat, 1 ♀, 2 ii 2000, Ruslan & A.Nizar.

Host records: *Stenogaster timidus*

Distributions: Philippines: Luzon: Samar.

Remarks: This species is a new record for Malaysia

***Theronia (Augerella) orientalis borneensis* Gupta**

Theronia (Augerella) orientalis borneensis Gupta, 1962. Pacific Ins. Monogr., **4**: 90. F. Key, des. Type: F, Malaysia: Sabah: Sandakan (WASHINGTON). Malaysia: Sabah: Samawang, near Sandakan.

Augerella orientalis borneensis Gupta, 1970. Ichneumon Hunting in India, p.64. n. comb.

Specimen examined: none

Host records: not known

Distribution: Malaysia: Sabah.

***Theronia (Augerella) inserta* Gupta**

Theronia (Augerella) inserta Gupta, 1962. Pacific Ins. Monogr., 4: 91. F. Key, des. Type: F, Philippines: Iligan, Mindanao (WASHINGTON)

Augerella inserta Gupta, 1970. Ichneumon Hunting in India, p.64. n. comb.

Specimen examined: NEGERI SEMBILAN: Pasoh Forest Reserve; 1 ♀, 15 iii 2003, 50 ha plot, vertical 0m, Ng Y.F. & Pua G.K.

Host records: not known

Distribution: Philippines: Mindanao

***Theronia (Epitheronia) fidentia* Gupta**

Theronia (Epitheronia) fidentia Gupta, 1962. Pacific Ins. Monogr., 4: 93. M, F. Key, des. Type: F, Philippines: Mindanao: Surigao (WASHINGTON). Philippines: Mindanao: Zamboanga. Biliran.

Epitheronia fidentia Gupta, 1970. Ichneumon Hunting in India, p.64. n. comb.

Specimen examined: NEGERI SEMBILAN: Pasoh Forest Reserve, 1 ♀, 12. v. 2002, 50 ha plot, vertical 0m, Ng Y.F. & Ruslan.

Host records: not known

Distribution: Philippines: Mindanao; Biliran

Remarks: This species is a new record for Malaysia

***Theronia (Epitheronia) tomeus* Gupta**

Theronia (Epitheronia) tomeus Gupta, 1962. Pacific Ins. Monogr., 4: 96. M, F. Key, des. Type: F, Indonesia: Kalimantan: Tabang, 125 m., Bengen River (LEIDEN). Malaysia: Malaya: Langkawi I. Singapore. Sabah: Kudat. Indonesia: Kalimantan: Balikpapan, Mentawir River.

Epitheronia tomeus Gupta, 1970. Ichneumon Hunting in India, p.64. n. comb.

Specimen examined: NEGERI SEMBILAN: Pasoh Forest Reserve, 1 ♀, 12 v 2002, 50 ha plot, vertical 0m, Ng Y.F. & Ruslan.

Host records: not known

Distribution: Indonesia: Kalimantan. Singapore. Malaysia: Malaya: Sabah

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