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**A CATALOGUE OF ICHNEUMONINAE
(HYMENOPTERA: ICHNEUMONIDAE) FROM
MALAYSIA**

Norhafiza, A.F. & Idris, A.B.

Centre for Insect Systematics,
School of Environmental and Natural Resource Sciences
Faculty of Science and Technology
Universiti Kebangsaan Malaysia
43600, Bangi, Selangor, Malaysia
E-mail: nora.fazili@gmail.com

ABSTRACT

A catalogue of Ichneumoninae (Hymenoptera: Ichneumonidae) from Malaysia which listing 34 species under 10 tribes (Alomyini (=Phaeogenini), Compsophorini, Goedartiini, Heresiarchini, Ichneumonini, Ischnojoppini, Joppocryptini, Listrodromini, Oedicephalini, Platylabini) and 27 genera are presented. The tribe Heresiarchini has the greatest number of species (12) followed by Ichneumonini with 6 species. *Imeria* is the largest genus which contains 3 species recorded from Malaysia. Type specimens of all species recorded in Malaysia was deposited in various museums or depositories around the world.

Key words: Hymenoptera, Ichneumonidae, Ichneumoninae, Malaysia.

ABSTRAK

Katalog Ichneumoninae (Hymenoptera:Ichneumonidae) bagi Malaysia yang menyenaraikan 31 spesies di dalam 10 trib (Alomyini, Compsophorini, Goedartiini, Heresiarchini, Ichneumonini, Ischnojoppini, Joppocryptini, Listrodromini, Oedicephalini, Platylabini) dan 25 genera telah disediakan. Trib Heresiarchini mempunyai bilangan spesies tertinggi iaitu sebanyak 12 spesies, diikuti oleh trib Ichneumonini dengan enam spesies. *Imeria* pula merupakan genus terbesar dengan mewakili tiga spesies. Kesemua spesimen tip bagi subfamili Ichneumoninae dari Malaysia telah disimpan di beberapa muzium atau depositori di seluruh dunia.

Kata kunci: Hymenoptera, Ichneumonidae, Ichneumoninae, Malaysia.

INTRODUCTION

Ichneumoninae is the second largest subfamily of the Ichneumonidae family (Burks et al. 1979) with 15 tribes known (Wahl and Mason, 1995). All members of this subfamily are endoparasites on Lepidoptera (Burks et al. 1979). They are categorised as an endoparasitic idiobiont which has a wide range of hosts, and it eats, kills, or paralyzes the host immediately after oviposition and will stop the development process of the host (Gaasch et al. 1998). Adults fly out from the host pupae after completion of development and they feed on honey dew of aphids and on certain plant foliage. They have a general dislike of intense amounts of heat and sunlight and therefore are not usually found during the middle of the day (Heinrich, 1977).

Taxonomic study of Ichneumoninae in Malaysia started in 1858 when Smith described two species, *Ichneumon penetrans* and *Atanyjoppa commisator*, both are from Sarawak. Since then, a number of species had been described or recorded from Malaysia. When Henry Townes, Marjorie Townes and Virendra K.Gupta finished their catalog in 1961 it compassed a total of 17 species of Ichneumoninae from Malaysia. After 26 years later, Virendra

K. Gupta added 1 species in his Catalogue. However, according to Yu & Hortsman (1997), only 15 species of Ichneumoninae was recorded from Malaysia. Meanwhile, latest version of Taxapad gives a total of 34 species.

The present catalogue lists the tribes, genera and species of Ichneumoninae recorded and described from Malaysia. Most of the species listed have notes about the location at which it was collected or recorded. The locations for type (holotype, lectotype and paratype) specimens deposited are also indicated (capital letters). All holotype and lectotype specimens from Malaysia and other regions were noted but for paratype specimens were noted only if there are no holotype and lectotype specimens described from Malaysia. The non-type specimens from this country was also noted. The species distribution (countries from where they were recorded) were also given.

Museums in which holotype, lectotype and paratype specimens are located or deposited are abbreviated as follows:

BUDAPEST.	Termesztudományi Múzeum Allattára (Zoological Department of the Hungarian Natural History Museum), 1088. Budapest, Baross-Utca B, Hungary.
BERLIN	Museum für Naturkunde der Humboldt-Universität zu Berlin, DDR-104 Berlin, Invalidenstraße 43, DDR Germany.
LONDON	Department of Entomology, British Museum (Natural History), Cromwell Road, London SW7, 5BD, England.
OXFORD	Hope Entomological Collections, University Museum, Oxford, OX1 3PW, England.
STOCKHOLM	Naturhistoriska Riksmuseet, Sektionen för Entomologi, 10405, Stockholm, Sweden.
COPENHAGEN	Universitetets Zoologiske Museum, Universitetsparken 15, Copenhagen, Denmark.
MUNICH	Zoologische Staatssammlung, Munchhausenstrasse 21, D-81247 München, Germany.

- WARSAW Instytut Zoologiczny, Polska Akademia Nauk,
ul Wilzca 64, Warszawa-Warsaw, Poland.
- EBERSWALDE Deutsches Entomologisches Institut,
Schicklerstrasse 5, D-16225 Eberswalde,
Germany.

The symbol * = an asterisk indicates a synonym, misspelling or misidentification.

Other abbreviations are: fig. = figured, o.d = original description, syn. = synonymised, key = a key is provided in the publication to identify the species, preocc. = the name is preoccupied by an earlier author, n. comb = The species was transferred to another genus for the first time by that author, lectotype design. = the author of that citation selected the lectotype and indicated it in the publication, des. = the species is described or there is a descriptive note, nr = near and misdet = the name used is from an incorrect determination of some other species.

SUBFAMILI ICHNEUMONINAE

TRIBE: ALOMYINI

Genus: *Diadromus* Wesmael

Diadromus collaris Gravenhorst

- **Ishnus collaris* Gravenhorst, 1829. Ichneumonologia Europaea, 1:653. F. des. Types: F, Italy: Turin (Lost).
- Thyraeella collaris*: Holmgren, 1890 (1889). Ichneumonologia Suecica, 3: 402. M, F. des. Sweden. Monaco.
- Diadromus collaris*: Dutt, 1923. Mem. Dept. Agri. India (Ent. Ser.), 8: 27. India: Bihar: Pusa; Patna. Pakistan: Murree, 7500 ft. Host: *Plutella xylostella*.
- Diadromus collaris*: Muggerridge, 1939. New Zeal. J. Agri., 58: 307. biol. New Zealand: Hawke's Bay.
- Diadromus collaris*: Miller, 1939. Ann. Rept. Dept. Sci. & Industr. Res. New Zeal., 13: 32. biol. Host: *Plutella xylostella*

- Diadromus* sp.: Robertson, 1939. New Zeal. J. Sci. & Technol., (A) 20: 346A, 357A. M, F. des., fig., boil. New Zealand: Manawatu; Hawke's Bay; Canterbury; Wairarapa; Taranaki. Host: *Plutella xylostella*.
- Diadromus* sp.: Robertson, 1939. Bull. Dept Sci. & Industr. Res. New Zeal., 78: 24. Des., fig., boil. Host: *Plutella xylostella*.
- Diadromus (Thyraeella) collaris*: Lloyd, 1940. Proc. Roy. Soc. London, (B) 128: 453. F. fig., boil. Host: *Plutella xylostella*.
- Diadromus collaris*: Lloyd, 1942. Canadian Rev. Biol., 6: 633. Boil. Host: *Plutella xylostella*.
- Diadromus collaris*: Miller, 1943. Ann. Rept. Cawthron Inst. Nelson, 1942: 26. Boil. New Zealand: Hawke's Bay: Wairarapa; Palmerston. (established).
- Diadromus collaris*: Miller, 1944. Ann. Rept. Cawthron Inst. Nelson, 1943-44: 27. New Zealand: Manawatu, Rangitikei, Hawke's Bay and Masterton areas on North Island; Marlborough, Kaikoura, North and South Canterbury and Taieri Plains on South Island.
- Diadromus (Thyraeella) collaris*: Given, 1944. New Zeal. J. Sci. & Technol., (A) 26: 198. Boil. New Zealand (introduces). Host: *Plutella xylostella*.
- Diadromus (Thyraeella) collaris*: Given, 1944. Trans. & Proc. Roy. Soc. New Zeal., 74: 154. M, F. des., fig., boil. New Zealand.
- Diadromus (Thyraeella) collaris*: Given, 1944. Trans. & Proc. Roy. Soc. New Zeal., 74: 297. Des., fig., anatomy of larva, boil. New Zealand.
- Diadromus collaris*: Robertson, 1948. New Zeal. J. Sci. & Technol., (B) 29: 259. New Zealand (introduced in 1937). Hyperparasite: *Eupteromalus* sp.
- Diadromus collaris*: Miller, 1949. Tasmanian J. Agri., 20: 16. Tasmania (introduced from New Zealand).
- Thyraeella collaris*: Hall, 1950. Rev. Appl. Ent., (A) 38: 86. Syn.
- Thyraeella (Diadromus) collaris*: Miller & Hudson, 1953. Tasmanian J. Agri., 24: 130. Boil. Tasmania (established). Host: *Plutella xylostella*.

- Diadromus collaris*: Todd, 1957. New Zeal. J. Sci. & Technol., (A) 38: 720. Boil. New Zealand (established). Host: *Plutella xylostella*.
- Diadromus collaris*: Hoyt, 1957. South Pacific COmm. Tech. paper, 101: 27. Fiji. Tonga Tapu (introduced, 1943). Host: *Plutella xylostella*.
- Thyraeella collaris*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 336. Europe. Fiji. India. New Zealand. Pakistan. Tasmania. Tonga.
- Diadromus collaris*: Townes, Momoi & Townes, 1965. Mem. Amer. Ent. Inst., 5: 419. Europe.
- Thyraeella collaris*: Chadwick & Nikitin, 1976. J. Ent. Soc. Australia (NSW), 9: 32. Australia: New South Wales: Richmond; Wilberforce. Host: *Plutella xylostella*.
- Thyraeella collaris*: Walker & Deitz, 1979. New Zeal. Ent., 7: 74, 76. Liberated on Cook Island: Rarotonga in 1974-75 from New Zealand; recovered. Host: *Plutella xylostella*.

Genus: *Lusiuxta* Diller

***Lusiuxta floreni* Diller**

- **Lusiuxta floreni* Diller, 2006. Neue Phaeogenini aus Baumkronen des Kinabalu Nationalparks (Hymenoptera, Ichneumonidae, Ichneumoninae, Phaeogenini). Entomofauna, 27(30): 373-384.

Genus: *Tycherus* Diller

***Tycherus cacumencultor* Diller**

- **Tycherus cacumencultor* Diller, 2006. Neue Phaeogenini aus Baumkronen des Kinabalu Nationalparks (Hymenoptera, Ichneumonidae, Ichneumoninae, Phaeogenini). Entomofauna, 27(30): 373-384.

***Tycherus sabahensis* Diller**

- **Tycherus sabahensis* Diller, 2006. Neue Phaeogenini aus Baumkronen des Kinabalu National Parks (Hymenoptera,

Ichneumonidae, Ichneumoninae, Phaeogenini).
Entomofauna, 27(30): 373-384.

TRIBE: COMPSOPHORINI

Genus: *Compsophorus* Saussure

***Compsophorus crassispina* (Cameron)**

- **Magrettia crassispina* Cameron, 1901. Ann. & Mag. Nat. Hist., (7) 7: 481. F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): F, India: (Meghalaya: Khasi Hills) (OXFORD).
- Xenojoppa crassispina*: Cameron, 1902. Entomologist, 35: 179. N. comb.
- **Xenojoppa(?) maculiceps* Cameron, 1903. Ann. & Mag. Nat. Hist., (7) 12: 569. M. des. Type: M, India: Meghalaya: Khasi Hills (OXFORD). Syn. by Heinrich, 1937.
- Xenojoppa crassispina*: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 115. Key, syn.
- Xenojoppa crassispina*: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 272, 275, 279. M, F. syn.
- Charitjoppa crassispina crassispina*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Ins., 1: 400. Lectotype design., n. status. India.
- Xenojoppa crassispina*: Heinrich, 1975. Ann. Zool. Warszawa, 32: 489. M, F. key, des. India: Meghalaya: Khasi Hills; Sikkim: Tista Bridge. Burma: Shan Plateau, 800m.

TRIBE: GOEDARTIINI

Genus: *Maraces* Cameron

***Maraces flavobalteata flavobalteata* Cameron.**

- **Maraces flavobalteata* Cameron, 1902. J. Straits Branch Roy. Asiatic Soc., 37: 69. ♀. des. Type: ♂, Malaysia: Sarawak (LONDON).

Eradha flavobalteata: Berthoumieu, 1904. Genera Insectorum, 18: 28. n. comb.

Maraces flavor-balteata: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 135. syn. notes.

Maraces flavobalteatus: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 272. ♀. syn. notes.

Maraces flavobalteata flavobalteata: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 402. Sarawak.

Maraces flavobalteata flavobalteata: Heinrich, 1975. Ann. Zool. Warszawa, 32: 503. ♀. Malaysia: Sarawak.

Distribution: Palearctic and Oriental regions.

TRIBE: HERESIARCHINI

Genus: *Aglaojoppa* Cameron

Aglaojoppa malaisei Heinrich.

Aglaojoppa malaisei: Heinrich, 1966. Ent. Tidskr., 87: 193. key.

**Aglaojoppa malaisei* Heinrich, 1967. ent. Tidskr., 88: 30. F. des.

Type: ♀, Burma: Kambaiti, 2000m. (STOCKHOLM).
Malaysia: Malakka, Perak.

Distribution: Oriental Region.

Genus: *Atanyjoppa* Cameron

Atanyjoppa commisator (Smith).

**Ichneumon commisator* Smith, 1858. J. of Proc. Linn. Soc. London, Zool., 2: 118. ♂. des. Type: ♂, Malaysia: Sarawak (OXFORD).

**Atanyjoppa flavomaculata* Cameron, 1901. Proc. Zool. Soc. London, 1901 (2): 37. ♀. des. Type: ♀, Borneo (LONDON).
Syn. by Townes, Townes & Gupta, 1961.

Atanyjoppa flavomaculata: Morley, 1915. Revisison of the Ichneumonidae in the British Museum, 4: 57. ♂, ♀. key, syn., des. Sarawak: Kuching.

Atanyjoppa flavomaculata: Uchida, 1926. J. coll. Agri. Hokkaido Imp. Univ., 18: 62. ♀. key. Taiwan: HENCHUN.

Atanyjoppa flavomaculata: Uchida, 1932. J. Fac. Agri. Hokkaido Imp. Univ., 33: 144. B&. Taiwan: TAINAN.

Atanyjoppa flavomaculata: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 260. syn. notes.

Atanyjoppa comissator comissator: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 410. syn. Sarawak. Taiwan.

Atanyjoppa comissator: Heinrich, 1968. Ent. Tidskr., 89: 217. B&, ♀. key. Borneo. Taiwan.

***Atanyjoppa violaceipennis* (Cameron).**

**Zonojoppa violaceipennis* Cameron, 1902. J. Straits Branch Roy. Asiatic Soc. 37: 72. ♀. des. Lectotype (designated by Townes, Townes & Gupta, 1961): F, Malaysia: Sarawak (LONDON).

Atanyjoppa violaceipennis: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 96, 239. ♂. syn., des. Indonesia: Sumatra: Wai Lima; Lampung.

Atanyjoppa violaceipennis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 275. ♂, ♀. syn. notes.

Atanyjoppa violaceipennis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 411. lectotype design. Sarawak. Sumatra.

Atanyjoppa violaceipennis: Heinrich, 1968. Ent. Tidskr., 89: 217. ♂, ♀. key. Borneo. Java. Sumatra. Malaya.

Distribution: Oriental Region.

Genus: *Coelichneumon* (*Coelichneumon*) Thomson

***Coelichneumon penetrans* (Smith).**

**Ichneumon penetrans* Smith, 1858. J. of Proc. Linn. Soc. London, Zool., 2: 117. ♀. des. Type: ♀, Malaysia: Sarawak (Lost).

Ichneumon? *Penetrans*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 407. Sarawak.

Distribution: Holarctic, Oriental and Neotropical regions.

Genus: *Cratojoppa* Cameron

***Cratojoppa maculiceps* Cameron.**

**Cratojoppa maculiceps* Cameron, 1903. J. Straits Branch Roy. Asiatic soc., 39: 151. ♀. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Malaysia: Sarawak: Kuching (LONDON).

Cratojoppa maculiceps: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 262. ♀. syn.notes.

Cratojoppa maculiceps: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 411. lectotype design. Sarawak.

Distribution: Oriental Region.

***Cratojoppa ornaticeps* Cameron.**

**Cratojoppa ornaticeps* Cameron, 1907. J. Straits Branch Roy. Asiatic Soc., 48: 15. ♀. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Malaysia: Sarawak: Kuching (LONDON).

Cratojoppa ornaticeps: Morley, 1915. Revision of the Ichneumonidae in the British Museum, 4: 111. ♀. des. Sarawak.

Cratojoppa ornaticeps: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 262. ♀. syn. notes.

Cratojoppa? Ornaticeps: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 411. lectotype design. Sarawak.

Distribution: Oriental Region.

Genus: *Ileanta* Cameron

***Ileanta cariniscutis* Cameron.**

**Ileanta cariniscutis* Cameron. 1909. Deutsch. Ent. Ztschr., 1909: 529. ♀. des. Type: ♀, Malaysia: Kuching (LONDON)

Ileanta cariniscutis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 269. ♀. syn. notes.

Ileanta cariniscutis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 412. Sarawak.

Distribution: Oriental Region.

Genus: *Isandria* Heinrich

***Isandria spiniventris* Heinrich**

**Isandria spiniventris* Heinrich, 1970. Ent. Tidskr., 91: 70. M, F. des. Type: F, Burma: Chin Hills: Mt. Victoria, 1400m. (MUNICH). Burma: Maymyo

Genus: *Lachmetha* Cameron

***Lachmetha spinitarsis* Cameron**

**Lachmetha spinitarsis* Cameron, 1903. Ztschr. System. Hymen. Dipt., 3: 182. M, F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): M, India: Meghalaya: Khasi Hills (OXFORD).

Lachmetha spinitarsis(!) : Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 249. M,F. Indonesia: Java: Mt. Gede: Tjibodas, 1400m.

Lachmetha spinitarsis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 270. F. syn. notes.

Lachmetha spinitarsis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 359. Lectotype design. India. Java.

Lachmetha spinitarsis: Heinrich, 1969. Ent. Tidskr., 90: 117. F. des. Burma: Chin Hills: Mt. Victoria, 1400m.; Mt. Popa, 1000m.; Maymyo, 800m. Inida: Sikkim: Tista Bridge. Indonesia: Java. Taiwan.

Genus: *Naenaria* Cameron

***Naenaria grandiceps* Cameron**

**Naenaria grandiceps* Cameron, 1903. Ann. & Mag. Nat. Hist., (7) 11: 313. F. des. Type: F, India: Meghalaya: Khasi Hills (OXFORD).

Naenaria grandiceps: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 98. M. Sulawesi: Wawa Karaeng, 1100m. (identity of male doubtful).

Naenaria grandiceps: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 273. F. syn. notes.

Naenaria grandiceps: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 409. India. Sulawesi.

Naenaria grandiceps: Heinrich, 1968. Ent. Tidskr., 89: 200. M, F. key, des. India: Meghalaya: Khasi Hills. Burma: Sadon. Sulawesi.

Genus: *Neocratojoppa* Heinrich

***Neocratojoppa flavescipes* Heinrich**

**Neocratojoppa flavescipes* Heinrich, 1969. Ent. Tidskr., 90: 106. F. des. Type: F, Burma, Chin Hills: Mt. Victoria, 500m. (WARSAW)

Genus: *Poecilojoppoides* Heinrich

***Poecilojoppoides sanfordi* Heinrich**

**Poecilojoppoides sanfordi* Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 107. F. des., fig. Type: F, Indonesia: Sulawesi: Mt. Latimodjong, 1500m. (WARSAW)

Poecilojoppoides sanfordi: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1:396. Sulawesi.

Poecilojoppoides sanfordi sanfordi: Heinrich, 1969. Ent. Tidskr., 90: 114. F. key, des. Sulawesi.

TRIBE: ICHNEUMONINI

Genus: *Chiaglas* Cameron

***Chiaglas longicornis* Cameron**

**Chiaglas longicornis* Cameron, 1903. Ann. & Mag. Nat. Hist., (7) 12: 578. F. des. Type: F, India: Meghalaya: Khasi Hills (OXFORD).

- **Chiaglas tinctipennis* Cameron, 1903. Ann. & Mag. Nat. Hist., (7) 12: 579. M. des. Type: M, India: Meghalaya: Khasi Hills (OXFORD). Syn by Townes, Townes & Gupta, 1961.
- Chiaglas longicornis*: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 261. F. syn.
- Chiaglas tinctipennis*: Heinrich, 1937. Ann & Mag. Nat. Hist., (10) 20: 261. M. syn. notes.
- Stenichneumon longicornis*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 346. N. comb. India.
- Chiaglas longicornis*: Heinrich, 1965. Ent. Tidskr., 86: 125. M, F. key, des. Burma: Mt. Popa, 600-1000m.; Maymyo, 800m.; Mt. Victoria, 500-1400m.; Tenasserim: Moulmein, 600m. Thailand. India: Sikkim: Valley at Tista Bridge (between west Bengal and Sikkim).

Genus: *Hytophatnus* Cameron

Hytophatnus lineatus Cameron.

- **Hytophatnus lineatus* Cameron, 1907. J. Straits Branch Roy. Asiatic Soc., 48: 13. "F" = B&. des. Type: ♂, Malaysia: Sarawak: Kuching (LONDON).
- Hytophatnus lineatus* Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 120. des.
- Hytophatnus (!) lineatus*: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 265. B&. syn. notes.
- Hytophatnus lineatus*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 367. Sarawak.

Distribution: Oriental Region.

Genus : *Losgna* Cameron

Losgna cariniscutis (Cameron).

- **Agarenes cariniscutis* Cameron, 1905. J. Straits Branch Roy. Asiatic Soc., 44: 153. ♂. des. Type: ♂, Malaysia: Sarawak: Kuching (LONDON).
- Losgna cariniscutis*: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 180. n. comb.

Losgna cariniscutis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 258. ♂. syn. notes.

Losgna cariniscutis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 355. Sarawak.

Losgna cariniscutis: Heinrich, 1965. Ent. Tidskr., 86: 140. ♂. key, des. Sarawak: Kuching.

***Losgna nigrita maculate* Heinrich.**

**Losgna nigrita maculate* Heinrich, 1965. Ent. Tidskr., 86: 141. ♂, ♀. key, des. Type: ♀, Malaysia: Sarawak: Lundu (BERLIN).

Distribution: Oriental and Afrotropical regions.

Genus : *Stenaoplus* Cameron

***Stenaoplus ornatitarsis* (Cameron).**

**Hemiteles geniculatus* Cameron, 1904. Trans. Ent. Soc. London, 1904: 110. "F" = M. Name preocc. by Thomson, 1884. des. Type: M, India: Meghalaya: Khasi Hills (OXFORD)). Syn. by Townes, Townes & Gupta, 1961.

* *Hemiteles ornatitarsis* Cameron, 1904. Trans. Ent. Soc. London, 1904: 111. M, F. des. Type: M, India: Meghalaya: Khasi Hills (OXFORD).

* *Hemiteles caducus* Schulz, 1906. Spolia Hymenopterologica, p. 125. new. Name for *H. geniculatus*.

Stenaoplus ornatitarsis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 347. N. comb., syn. India.

Genus: *Stirexephanes* Cameron

***Stirexephanes melanarius* Cameron.**

**Stirexephanes melanarius* Cameron, 1912. Soc. Ent., 27: 90. ♀. des. Type: ♀, Malaysia: Sarawak: Mt. Matang (LONDON)

Stirexephanes melanarius Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 274. ♀. syn. notes.

Stirexephanes melanarius: Townes, Townes & Gupta, 1961. mem. Amer. Ent. Inst., 1: 348. Borneo (Sarawak).

Distribution: Oriental and Palearctic regions.

TRIBE: ISHNOJOPPINI

Genus: *Ischnojoppa* Kriechbaumer

Ischnojoppa luteator (Fabricius).

**Ichneumon luteator* Fabricius, 1798. Supplementum entomologiae Systematicae, p. 222. [M, F]. des. Lectotype: ♀, "Germany: Halle in Saxony" (KIEL, on deposit in COPENHAGEN). [Type locality incorrect].

**Joppa lutea* Fabricius, 1804. Systema Piezatorum, p. 123. n. name for *I. luteator*. "Germany: Halle."

Ichneumon lutea: Gravenhorst, 1818. Verh. Leopoldinisch-Carolinischen Acad. Naturf., 9: 284. key.

**Ichneumon adspersor* Thunberg, 1822. Mem. Acad. Imp. Sci. St. Petersburg, 8: 258. new name for *I. luteator*. Key.

Ichneumon adspersor: Thunberg, 1824. Mem. Acad. Imp. Sci. St. Petersburg, 9: 306. syn.

Joppa lutea: Trentepohl, 1826. Isis von Oken, 18: 221. ♀. syn., des.

Ichneumon luteator: Gravenhorst, 1829. Ichneumologia Europaea, 3: 919. des.

**Joppa rufa* Brulle, 1846. In Lepeletier: Histoire Naturelle des Insectes, Hymenopteres, 4: 294. M, F. Name preocc. by Brulle, 1846. des. Lectotype: sex?, India: Bengal (Lost).

Joppa luteator: Kriechbaumer, 1893. Ent. Nachr., 19: 153. des., syn. India: Sikkim.

**Ichneumon agraisensis* Cameron, 1897. Mem. & Proc. Manchester Lit. Phil. Soc., 41(4): 13. ♂. des. Type: B&, India: Uttar Pradesh: Agra (OXFORD).

Ischnojoppa lutea: Kriechbaumer, 1898. ent. Nachr., 24: 32. n. comb.

Ischnojoppa lutea: Szepliget, 1900. Termes. Fuzetek., 23: 290. Singapore.

- **Bodargus rufus* Cameron, 1902. J. Straits Branch Roy. Asiatic Soc., 37: 53. B&. Name preocc. in *Ischnojoppa* by Brulle, 1846. des. Type: ♂, Malaysia: Sarawak (LONDON). Syn. by Heinrich, 1937.
- **Ischnojoppa luteatrix* Schulz, 1906. Spolia Hymenopterologica, p. 129. Emendation.
- Ischnojoppa luteator*: Szepligeti, 1908. Notes Leyden Mus., 29: 235. ♀. syn. Indonesia: Java: Semarang.
- **Exephanes akonis* Matsumura, 1912. Thousand Insects of Japan, Suppl., 4: 240. ♀. des., fig. Type: ♀, Taiwan: Pingtung (SAPPORO?).
- Ischnojoppa luteator*: Morley, 1913. entomologist, 46: 220. syn.
- Ischnojoppa luteator*: Morley, 1915. revision of the Ichneumonidae in the British Museum, 4: 97. ♂, ♀. syn., des. India: Uttar Pradesh: Lucknow. Bihar: Chapra; Pusa. West Bengal: Calcutta. Sikkim. Meghalaya: North Khasi Hills. Maharashtra: Bombay. Karnataka: Bangalore. Tamil Nadu: Coimbatore; Samalkota. Bangladesh: Rajshai. Nepal: Neopalganj. Bhutan. Sri Lanka. Burma: Tenasserim: Salween Valley. Malaysia: Malaya: Wellesley Province. Singapore. Northern China. Australia: Queensland: Mackay. Host: Scirpophaga incertulas.
- Ischnojoppa luteator*: Dutt, 1919. Bull. Agri. Res. Inst. Pusa, India, 89: 8. India: Bihar: Pusa; Chapra. Maharashtra: Bombay: Bassein fort. Tamil Nadu: Samalkota; Coimbatore.
- Ischnojoppa luteator*: Dutt, 1923. Mem. Dept. Agri. India (Ent. Ser.), 8: 25. India: Bihar: Bhagownie; Laheria Sarai. Maharashtra: Bassein Fort.
- Atanyjoppa akonis*: Uchida, 1925. Zool. Soc. Japan, Tokyo, Dobutsugaku Zasshi, 37: 454. ♂, ♀. n. comb. Taiwan: Pingtung.
- Atanyjoppa akonis*: Uchida, 1926. J. Coll. Agri. Hokkaido Imp. Univ., 18: 62. ♂, ♀. key. Taiwan: Neipenpu (=Naihonpo).
- Atanyjoppa akonis*: Matsumura, 1930. Illustrated Thousand Insects of Japan, 2 (English Section): 85; (Japanese Section): 194. ♀. des., fig.
- Atanyjoppa akonis*: Matsumura, 1931. 6000 Illustrations of Insects of Japan, p. 38. ♀. des., fig. Japan. Taiwan.

- Ischnojoppa luteator*: Lopez, 1931. Ann. Rept. Res. Bur. Philippine sugar Assoc., 1930-31: 273. Philippines. In sugar cane fields.
- Ischnojoppa luteator*: Uchida, 1932. J. Fac. Agri. Hokkaido Imp. Univ., 33: 144, 217. syn. Taiwan: Lambeh.
- Ischnojoppa luteator*: Sonan, 1932. Trans. Nat. Hist. Soc. Formosa, 22: 84. ♂, ♀. Taiwan: Sintien; Pingchen; Taitung; Taipei; Kangkou (=Kankau); Sinchu; Hsinhua (=Sinhwa); Taipingshan; Kiayi; Chinping (=Naro).
- Ischnojoppa luteator*: Heinrich, 1934. Mitt. Zool. Mus. Berlin, 20: 237. ♂, ♀. des. Indonesia: Sulawesi: Mt. Latimodjong, 800m.; Bantimurung, 300m.
- Ischnojoppa luteator* (as *luteolator* on p. 439): Ayyar & Margabandu, 1934. Madras Agri. J., 22: 436, 439. India: Tamil Nadu: Coimbatore. Hosts: *Pelopidas mathias*; *Scirpophaga* sp.
- Ischnojoppa luteator*: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 261, 265, 270, 277. ♂, ♀. syn.
- Ischnojoppa luteator*: Cushman, 1937. Arb. Uber Morph. U. Taxonom. Ent., 4: 285. Syn. Taiwan: Kangkao (=Kankau).
- Ischnojoppa luteator*: Ayyar & Anantanarayanan, 1937. Agri. & Livestock in India, 7: 173. India: Tamil Nadu: Godavari. Host: *Scirpophaga incertulas*.
- Ischnojoppa luteator*: Heinrich, 1938. Mem. Acad. Malgache, 25: 119. syn.
- Ischnojoppa luteator*: Chao, 1957. Acta Ent. Sinica, 7: 108. F. China: Several localities in Fujian Province.
- Ischnojoppa luteator*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 392. Australia. Burma. Sulawesi. Sri Lanka. China. Taiwan. India. Japan. Java. Malaya. Philippines. Sarawak. Singapore.
- Ischnojoppa luteator*: Baltazar, 1964. Pacific Ins., 6: 62. ♀. fig. Philippines.
- Ischnojoppa luteator*: Momoi, 1968. Munshi, 41: 182, 220. B&, ♀. key. Taiwan: Taipei. Hong Kong: Fung Yuen, Tai Po (N.T.). India: Assam: Gauhati, Charioli. Karnataka: Gejjelgere, near Mandya; Budanoor near Mandya.

Ischnojoppa luteator: Momoi, 1969. Munshi, 42: 153. Taiwan: Localities in Pingtung Hsien; Chiai Hsien.

Ischnojoppa luteator: Momoi, 1970. Pacific Ins., 12: 396. ♂, ♀. Ryukyus: Sakishima.

Ischnojoppa luteator: He, 1984. Acta Agri. Univ. Zhejiangensis, 10: 102. biol. China: Localities in Jiangsu; Zhejiang; Sichuan; Fujian; Guangdong; Guangxi; Guizhou; Yunnan; Tibet. Hosts: *Parnara guttata*; *Pelopidas mathias*; *Scirpophaga incertulas*; *Udaspes folus*.

Distribution: Afrotropical Region and Indo-Australian Area.

TRIBE: JOPPOCRYPTINI

Genus : *Allonotus* Cameron

Allonotus rufus Cameron.

**Allonotus rufus* Cameron, 1907. Ann. & Mag. Nat. Hist., (7) 20: 30. ♀. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Allonotus rufus: Townes, Townes & Gupta, 1961. mem. Amer. Ent. Inst., 1: 343. Sarawak.

Distributions: Afrotropical and Oriental region

Genus : *Eccoptosage* Kriechbaumer

Eccoptosage cincticornis Cameron.

**Anisobas cincticornis* Cameron, 1902. J. Straits Branch Roy. Asiatic Soc., 37: 51. ♀. des. Type: ♀, Malaysia: Sarawak (LONDON).

Acanthojoppa cincticornis: Cameron, 1905. J. Straits Branch Roy. Asiatic Soc., 44: 158. n. comb., des.

Acanthojoppa cincticornis: Cameron, 1909. Deut. Ent. Ztschr., 1909: 529. key.

**Acanthojoppa nigrinerva* Cameron, 1909. Deut. Ent. Ztschr., 1909: 529. ♂, ♀. key, des. Lectotype (designated by Townes,

Townes & Gupta, 1961): ♀, Malaysia: Sarawak: Kuching (LONDON). Syn. by Heinrich, 1937.

**Eccoptosage (?) minor* Szepligeti, 1910. Notes Leyden Mus., 32: 95. M. des. Type: M, Indonesia: Java: Bogor (BUDAPEST). Indonesia: Java: Depok. Syn. by Townes, Townes & Gupta, 1961.

Acanthojoppa cincticornis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 258, 260, 276. M, F. syn.

Eccoptosage cincticornis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 352. lectotype design., n. comb., syn. Java. Sarawak.

***Eccoptosage quadridentata* Cameron.**

**Druscia 4-dentata* Cameron, July 1905. J. Straits Branch Roy. Asiatic Soc., 44: 154. ♀. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

**Druseia quadridentata* Cameron, Aug. 1905. Ann. & Mag. Nat. Hist., (7) 16: 164. ♀. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON, same specimen as above type). Syn. by Townes, Townes & Gupta, 1961.

Eccoptosage quadridentata: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 353. n. comb., syn. Sarawak.

Distribution: Palearctic and Oriental regions.

TRIBE: LISTRODROMINI

Genus: *Anisobas* Wesmael

***Anisobas kankoensis* Uchida**

**Amblyteles kankoensis* Uchida, 1932. J.Fac. Agri. Hokkaido Imp. Univ., 33:162. M, F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): F, Taiwan: Kankou (=Kankau), H. Sauter, Apr. 22, 1912 (EBERSWALDE).

Anisobas kankoensis: Uchida, 1935. Insecta Matsumurana, 10: 30. n. comb.

Validentia kankoensis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 391. Lectotype design., n. comb. Taiwan.

Anisobas kankoensis kankoensis: Heinrich, 1975. Ann. Zool. Warszawa, 32: 467. M, F. key, des. Taiwan.

TRIBE: OEDICEPHALINI

Genus: *Aulojoppa* Cameron

Aulojoppa spilocephala Cameron.

**Aulojoppa spilocephala* Cameron, 1907. J. Straits Branch Roy. Asiatic soc., 48: 14. F. des. Type: ♀, Sarawak: Kuching (LONDON).

Aulojoppa spilocephala: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 260. ♀. syn. Notes.

Aulojoppa spilocephala spilocephala: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1:339. n. status. Sarawak.

Distributions: Oriental Region

Genus : *Imeria* Cameron

Imeria levifrons Cameron.

**Imeria levifrons* Cameron, 1907. Ann. & Mag. Nat. Hist., (7) 20: 28. ♀. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Imeria (Imeria) levifrons: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 341. n. status. Sarawak.

Imeria longitarsis Cameron.

**Caenajoppa longitarsis* Cameron, July 1905. J. Straits Branch Roy. Asiatic Soc., 44: 155. "M" = F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Malaysia: Sarawak (LONDON).

Caenajoppa longitarsis Cameron, Aug. 1905. Ann. & Mag. Nat. Hist., (7) 16: 163. "M" = F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, same specimen as above type, Malaysia: Sarawak: Kuching (LONDON). Syn. by Townes, Townes & Gupta, 1961.

Caenojoppa longitarsis: Heinrich, 1937. Ann. & Mag. Nat. Hist., (10) 20: 261. ♀. syn. notes.

Imeria (Caenojoppa) longitarsis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 340. lectotype design., n. comb. Sarawak.

***Imeria maculiceps* Cameron.**

**Caenojoppa maculiceps* Cameron, 1912. Soc. Ent., 27: 90. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Imeria (Imeria) maculiceps: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 341. n. comb. Sarawak.

Distributions: Afrotropical Region and Indo-Australian Area

TRIBE: PLATYLABINI

Genus: *Notoplatylabus* Heinrich

***Notoplatylabus birmanicus* Heinrich**

**Notoplatylabus birmanicus* Heinrich, 1974. Ann. Zool. Warszawa, 32: 177. F. des. Type: F, Burma: Kambaiti, 7000ft. (STOCKHOLM).

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