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**A CATALOGUE OF NEOXORIDINI AND RHYSSINI
(ICHNEUMONIDAE: PIMPLINAE)
FROM MALAYSIA**

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ABSTRACT

A catalogue of Neoxoridini and Rhyssini (Hymenoptera: Ichneumonidae: Pimplinae) from Malaysia were presented. There are seven species under three genera (*Cnastis*, *Eugalta*, and *Achorocephalus*) and 24 species under six genera (*Lytarmes*, *Megarhyssa*, *Triancyra*, *Sychnostigma*, *Cytorhyssa*, and *Myllenyxis*) for Neoxoridini and Rhyssini respectively. Of the seven species of Neoxoridini one species was listed under *Cnastis*, four species under *Eugalta*, and two species under *Achorocephalus*. Whilst, out of 25 species of Rhyssini, three species are under *Lytarmes*, one species under *Megarhyssa*, one species under *Triancyra*, 15 species under *Sychnostigma*, one species under *Cytorhyssa*, and four species under *Myllenyxis*. None of these species had known or recorded host.

ABSTRAK

Katalog Neoxoridini dan Rhyssini (Hymenoptera: Ichneumonidae: Pimplinae) bagi Malaysia telah disenaraikan. Terdapat tujuh species di dalam tiga genera (*Cnastis*, *Eugalta*, and *Achorochepalus*) dan 24 species di dalam lima genera (*Lytarmes*, *Triancyra*, *Sychnostigma*, *Cytorhyssa*, and *Myllenyxis*) masing-masing bagi Neoxoridini and Rhyssini. Daripada tujuh species yang disenaraikan satu species telah disenaraikan di bawah *Cnastis*, empat species di bawah *Eugalta*, dan dua species di bawah *Achorochepalus*. Manakala, daripada 25 species yang disenaraikan tiga species di bawah *Lytarmes*, satu species di bawah *Megarhyssa*, satu species di bawah *Triancyra*, 15 species di bawah *Sychnostigma*, satu species di bawah *Cytorhyssa*, dan empat species di bawah *Myllenyxis*. Hingga kini belum ada laporan yang menyenaraikan spesies serangga yang diketahui sebagai perumah Neoxoridini dan Rhyssini.

INTRODUCTION

The tribe Neoxoridini (= Poemeniini) is a small tribe of Pimplinae (Hymenoptera: Ichneumonidae), which includes eight genera and 78 species. They are distributed principally in the Holarctic and Oriental Regions (Gupta 1985; Shu-Fang and Gupta 1995). Gupta (1987) reported six genera and 43 species and subspecies from the Oriental Region, of which six species were reported from Taiwan and one from mainland China. Member of this tribe parasitize coleopterous larvae in hard woods as well as in various coniferous trees (Townes 1969). For example, the host insect of *Cnastis* is *Rhodopina lewisii* (BATES) (Coleoptera: Cerambycidae) (Yu 1999).

The tribe Rhyssini includes eight genera, which are clearly divisible into two groups (Gauld 1984). This tribe is a group of parasitoids whose hosts are the immature stages of siricoid wood wasps and wood-boring beetles in dead and dying trees (Townes 1969; Aubert 1969 Eggleton 1990). In all species where the biology is well studied the host are found deep beneath the wood and it is through this substrate that adult females must drill with

their long ovipositors to find them. After emerging from the wood, male locate emerging females by a mixture of fungal (Madden 1968; Spradbery 1970; Eggleton 1991), host-associated (Matthews et al 1979; Davies & Madden 1985; Eggleton 1991), and acoustic cues (Heatwole et al 1962; Eggleton 1991). There is competition between males for females at, or before, emergence (Nuttal 1973; Eggleton 1991) and a number of different male mating strategies have evolved.

The present catalogue lists the tribes, genera and species of Neoxoridini and Rhyssini 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 holo- 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 were located or deposited are abbreviated as follows:

- BUDAPEST. Termesztudományi Múzeum Allattara (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.
- GAINESVILLE. American Entomological Institute, 3000 S. 56th Avenue, Gainesville, Florida 32608, U.S.A
- GENOA. Museo Civico di Storia Naturale, Via Brigata Liguria 9, Genoa, Italy.
- GUPTA. Collections of Virendra Gupta, Located at the American Entomological Institute, 3005 S. W. 56th Avenue, Gainesville, Florida 32608, USA.
- HONOLULU. Bernice P. Bishop Museum, Department of Entomology, Honolulu, Hawaii 96819, U.S.A.

- LEIDEN. Rijksmuseum van Natuurlijke Historie, Postbus 9517, 2300 RA Leiden, The Netherlands.
- LONDON. Department of Entomology, British Museum (Natural History), Cromwell Road, London SW7, 5BD, England.
- MINICH. Zoologische sammlung des Bayerischen Statates, Maria Ward- Strasse, 8 Munchen 19, West Germany.
- OXFORD. Hope Entomological Collections, University Museum, Oxford, OX1 3PW, England.

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

SUB FAMILY: PIMPLINAE
TIBE: NEOXORIDINI = POEMENIINI

Genus: *Cnastis* Townes

***Cnastis vittata* (Morley)**

**Eugalta vittata* Morley, 1913. Fauna of British India, Hymenoptera, 3: 74. F. key, des. Type: ♀, India: Sikkim (LONDON).

Cnastis vittata: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 82. n. comb. India.

Cnastis vittata: Baltazar, 1961. Monogr. Natl. Inst. Sci. & Technol. Manila, 7: 52. syn., des. Thailand.

Cnastis vittata: Gupta, 1980. Otiental Ins., 14: 85. M, F. key, des. India: Sikkim. Malaysia: Sabah: Forest Camp, 19 km. north of Kalabakan. Sulawesi: Bonthain, Wawa Kraeng, 1100 m.

Distributions: India: Sikkim. Thailand. Malaysia: Sabah. Indonesia: Sulawesi.

Genus: *Eugalta* Cameron

***Eugalta comis* (Tosquinet)**

**Xorides comis* Tosquinet, 1903. Mem. Soc. Ent. Belgique, 10: 51. F. des. Type: ♀, Malaysia: Sarawak (GENOA).

Eugalta comis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 79. n. comb. Sarawak.

Distributions:. Malaysia: Sarawak.

***Eugalta maculiseutis* (Cameron)**

**Allostomus maculiseutis* Cameron, 1908. Entomologist, 41: 84. F. des. Type: ♀, Malaysia: Malaysia: Sarawak: Kuching (LONDON). [In 1961 this name was preocc. in *Eugalta* by *Paraxylophrurus maculiseutis* Cameron, 1908, and a new name, borneensis was given. *Paraxylophrurus maculiseutis* now belongs to *Achorocephalus*, considered separate from *Eugalta*. Therefore *maculiseutis* is hereby revived].

**Eugalta borneensis* Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 79. new name for *Allostomus maculiseutis* Cameron. Sarawak.

Eugalta borneensis: Gupta, 1969. Oriental Ins., 3: 195. des.

Eugalta borneensis: Gupta, 1980. Oriental Ins., 14: 107. M, F, key, des., fig. Malaysia: Sarawak: Kuching. Sabah: Forest Camp, 19 km. N. of Kalabakan.

Distributions:. Malaysia: Sarawak; Sabah.

***Eugalta nigrita* Gupta**

Eugalta nigrita Gupta, 1980. Oriental Inst., 14: 106. M, F, key, des., fig. Type: ♀, Malaysia: Malaya: Perak (MINICH). Malaysia: Malaya: Selangor, Bukit Kutu, 3500 ft. Indonesia: Java: Mt. Malang, 3000-4000 ft.

Distributions:. Malaysia: Malaya. Indonesia: Java.

***Eugalta santoshae* Gupta**

**Eugalta santoshae* Gupta, 1980. Oriental Ins., 14: 99. F. key, des. Type: ♀, Indonesia: Java: Mt. Dimerang, Djampang Tengah (GAINESVILLE). Indonesia: Java: Mt. Malang, 3000-4000 ft. ?Sumatra: Sukaranda. Malaysia: Malaya: Selangor, Bukit Kutu, 3500ft.

Distributions:. Malaysia: Malaya. Indonesia: Java; ?Sumatra.

Genus: *Achorocephalus* Kreichbaumer

***Achorocephalus nigricollis maculiseutis* (Cameron)**

**Paraxylophrurus maculiseutis* Cameron, 1908. Entomologist, 41: 83. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Eugalta maculiseutis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 80. n. comb. Sarawak.

Pseudeugalta maculiscutis(!): Gupta, 1969. Oriental Ins., 3: 195. n. comb., des. Malaysia: Sarawak.

Pseudeugalta nigricollis maculiseutis: Gupta, 1980. Oriental Ins., 14: 121. F. n. comb., key, des. Malaysia: Sarawak: Kuching.

Achorocephalus nigricollis maculiseutis: Gupta, 1985. Oriental Ins., 19: 324. n. comb.

Distributions:. Malaysia: Sarawak.

***Achorocephalus nigricollis malayanus* (Gupta)**

**Pseudeugalta nigricollis malayanus* Gupta, 1980. Oriental Ins., 14: 120. M. key. des. Type: ♂, Malaysia: Malaya: Perak, Larut Hills, 3700-4000 ft. (GUPTA).

Achorocephalus nigricollis malayanus: Gupta, 1985. Oriental Ins., 19: 324. n. comb.

Distributions:. Malaysia: Malaya.

TRIBE: RHYSSINI

Genus: *Lytarmes* Cameron

***Lytarmes claripennis* (Cameron)**

**Rhyssa claripennis* Cameron, 1907. Ann. & Mag. Nat. Hist., (7) 20: 15. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Rhyssa claripennis: Morley, 1913. Revision of the ichneumonidae in the British Museum, 2: 14. F. key, des. Malaysia: Sarawak: Kuching.

Lytarmes claripennis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 83. n. comb. Sarawak.

Lytarmes claripennis: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 35. M, F. key, des. Indonesia: Sumatera: Abh. D.

Singalang. Malaysia: Sabah: Kabayau near Kinabalu, 200 m.
Sarawak: Kuching; Kapah River.

Distributions: Malaysia: Sabah; Sarawak. Indonesia: Sumatra.

***Lytarmes maculipennis maculipennis* (Smith)**

**Rhyssa maculipennis* Smith, 1858. J. Proc. Linn. Soc. London, Zool, 2: 120. F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): F, Singapore (OXFORD). Sarawak.

Rhyssa maculipennis: Vollenhoven, 1879. Stettiner Ent. Ztg., 40: 136. F. Indonesia: Sumatra.

Rhyssa maculipennis: Cameron, 1903. J. straits Branch Roy. Asiatic Soc., 39: 134. Malaysia: Sarawak: Kuching.

**Rhyssa nigratarsis* Cameron, 1902. J. straits Branch Roy. Asiatic Soc., 37: 45. M. Name preocc. by Cameron, 1886. des. Type: ♂, Borneo (LONDON). Syn. by Kamath & Gupta, 1972.

**Megarhyssa variegata* Mocsary, 1905. Ann. Mus. Natl. hungarici, 3: 2. M.des. Lectotype (designated by Townes, Townes & Gupta, 1961): M, Malaysia: Malaya: Perak (BUDDAPEST). Syn. by Kamath & Gupta, 1972.

**Rhyssa varilineata* Cameron, 1907. Ann. & MAg. Nat. Hist., (7) 20: 15. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON). Syn. by Gupta & Kamath, 1972. *Thalessa variegata*: Schmiedeknecht, 1907. Genera Insectorum, 62: 63.

Rhyssa variilineata(!): Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 14. F. key, des.

Thalessa nigratarsis: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 20. M. key, syn., des. Borneo. Malaysia: Sarawak: Kuching.

**Lytarmes sumtranus* Enderlein, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 151. F. des. Type: ♀, Indonesia: Sumatra: Liangagas (WARSAW). Indonesia: Sumatra: Sukaranda. Syn. by Townes, Townes & Gupta, 1961.

Lytarmes maculipennis maculipennis: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 84. lectotype design., n. comb., syn. Malaysia: Sarawak. Singapore. Indonesia: Sumatra.

Lytarmes maculipennis variegates: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 84. lectotype design., n. comb., syn. Malaya.

Lytarmes maculipennis varilineatus: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 84. n. comb., syn. borneo. Sarawak.

Lytarmes maculipennis maculipennis: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 23. M, F. key, syn., des., fig. Malaysia: Malaya: Perak; Penang I., Penang Hills, Ayer Iltam, 300m.; Selangor, Ampang Reservoir; Malacca, Mt. Tengah. Sabah: Sandakan. Sarawak: Mt. Matang; Kuching. Singapore. Indonesia: Sumatra: Liangagas; Sukaranda; Aur Kumanis; Balun Pad; Lubuk Sikaping, 450 m.; Bkuit Itam; Tandjung Morawa, Serdang; S.w. Lampung Distr., Mt. Tanggamus, 550m.; Laut Tador, 90 m.; Siberut I., Sipora Is. Java: Mt. Halimun. Mt. Slamet, Baturraden; Djampang Tengah; Palabuhan Ratu; Tjisolok; Radjamandala; Dilodor, Somandjaja. Moluccas: Halmahera I., 500 m. Kalimantan: Kariorang, 150 m.; Batan Bessi, 150 m.; Balikpapan, Mentawir River, 50 m.

Distributions: Malaysia: Malaya; Sarawak; Sabah. Singapore. Indonesia: Java; Kalimantan; Sumtra; Siberut; Sipora; Halmahera.

Genus: *Megarhyssa* Ashmed

Megarhyssa mirabilis (Smith)

**Rhyssa mirabilis* Smith, 1858. J. of Proc. Linn. Soc. London, Zool., 2:120. F. des. Type: ♀, Malaysia: Sarawak (OXFORD).

Rhyssa mirabilis: vollenhoven, 1873. Tijdschr. v. Ent., 16: 69. des.

Megarhyssa mirabilis: Mocsary, 1906. Ann. Mus. Natl. Hungarici, 3: 4. n. comb.

Thalessa mirabilis: Schmiedeknecht, 1907. Genera Insectorum, 62: 63. n. comb.

Rhyssa mirabilis: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 13. F. key. Malaysia: Sarawak.

Megarhyssa mirabilis: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 72. M, F. key, des., fig. Malaysia: Sarawak.

Indonesia: Sumatra: Bukit Itam, Res. Benkulen; Tandjung Sakti. Kalimantan: Betan Bessi, 150; Pelawan; Balikpapan, Mentawir River, 500 m.

Distributions:. Malaysia: Sarawak. Indonesia: Kalimantan; Sumatra.

Genus: *Triancyra* Baltazar

***Triancyra luzonica citeria* Kamath & Gupta**

**Triancyra luzonica citeria* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 111. F. key, des., fig. type: ♀, Malaysia: Sabah: Forest Camp, 19 km. N. kalabakan (HONOLULU).

Distributions:. Malaysia: Sabah.

Genus: *Sychnostigma* Baltazar

***Sychnostigma asperum* Kamath & Gupta**

**Sychnostigma asperum* Kamath & Gupta, 1972. Oriental Ins., 2: 166. F. key, des. Type: ♀, Malaysia: Malaya: Selangor, Bukit Kutu (=Kutu Hill). (LONDON).

Distributions:. Malaysia: Malaya.

***Sychnostigma bimaculatum* (Cameron)**

**Epirhyssa bimaculata* Cameron, 1903. J. Straits Branch Roy. Asiatic Soc., 29: 135. F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Malaysia: Sarawak: Kuching (LONDON).

Epirhyssa bimaculata: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 7. key, des.

Ahyborhyssa bimaculata: Enderlein, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 152. n. comb.

Sychnostigma bimaculatum: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 87. lectotype design., comb. Sarawak.

Sychnostigma bimaculatum: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 124. M, F. key, des. Malaysia: Malaya: Perak. Sarawak: Kuching; Lundu. Sabah: Forest Camp, 19 km. N.

of Kalabakan. Indonesia: Sumatra: Sukaranda; Medan, Kalimantan.

Distributions: Malaysia: Malaya; Sabah; Sarawak. Indonesia: Sumatra; Kalimantan.

***Sychnostigma binarium binarium* Kamath & Gupta**

**Sychnostigma binarium binarium* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 135. F. key, des. Type: ♀, Malaysia: Malaya: Pahang: Mt. Tahan, 800-1200 m. (LONDON).

Distributions: Malaysia: Malaya.

***Sychnostigma cruciatum cruciatum* (Cameron)**

**Epirhyssa cruciata* Cameron, 1907. Ann. & Mag. Nat. hist., (7) 20: 17. M. key, des. Type: B&, Malaysia: Sarawak: Kuching (LONDON).

**Epirhyssa lineatiscutis* Cameron, 1907. Ann & Mag. Nat. Hist., (7) 20: 18. M. key, des. Type: B&, Malaysia: Sarawak: Kuching (LONDON). Syn. by Townes, Townes & Gupta, 1961.

Sychnostigma cruciatum: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 87. n. comb. Sarawak.

Sychnostigma cruciatum cruciatum: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 132. M, F. key, des. Indonesia: Java: Mt. Tangkuban Perahu, Preanger, 1300-1450 m.; Mt. Besser, Mts. Djampang Wetan. Malaysia: Sarawak: Kuching.

Distributions: Malaysia: Sarawak. Indonesia: Java.

***Sychnostigma flavopictum flavopictum* (Smith)**

**Macrogaster flavo-pictus* Smith, 1858. J. of Proc. Linn. Soc. London, Zool., 2: 121. F. des. Type: ♀, Singapore (OXFORD). *Macrogaster flavo-pictus*: Tosquinet, 1903. Mem. Soc. Ent. Belgique, 10: 258. F. des. Borneo.

Epirhyssa flavopictus: Cameron, 1903. J. Straits Branch Roy. Asiatic Soc., 39: 134. n. comb.

**Epirhyssa curvimaculata* Cameron, 1907. Ann. & Mag. Nat. Hist., (7) 20:16. F. des. Lectotype (designated by Kamath & Gupta, 1972): ♀, Malaysia: Sarawak: Kuching (LONDON).

Epirhyssa flavopicta: Morley, 1913. Revision of the Ichneumonidae in British Museum, 2: 6. F. key. syn. (in part), des. Malaysia: Penang Is. Malaya: Mt. Tahan, Pahang, 2500-3500 ft.

Epirhyssa flavopicta: Morley, 1914. Ann. & Mag. Nat. Hist., (8) 14: 409. "Malaysia." (in part).

Ahyborhyssa flavopicta: Baltazar, 1961. Monogr. Natl. Inst. Sci. & Technol. Manila, 7: 79. (in part). [A M paratype from Sipora Is. Belongs here.]

Sychnostigma curvimaculatum: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 87. n. comb. Sarawak.

Sychnostigma curvimaculatum: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 88. n. comb. Borneo. Malaya. Penang Is. Singapore.

Sychnostigma flavopictum flavovictum: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 142. M, F. lectotype design. of *curvimaculatum*, n. status, key, syn., Indonesia: Sumatra: Sukaranda; Liangagas; Fort de Kock, Mt. Dulit, 1220 m.; Kuching. Singapore.

Distributions:. Malaysia: Malaya; Sarawak. Singapore. Indonesia: Sumatra; Sipora Is.

***Sychnostigma gephyrum* Kamath & Gupta**

**Sychnostigma gephyrum* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 157. F. key, des. Type: ♀. Malaysia: Sabah: Forest Camp, 19 km. N. of Kalabakan (HONOLULU).

Distributions:. Malaysia: Sabah.

***Sychnostigma kerrichi* Kamath & Gupta**

**Sychnostigma kerrichi* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 149. F. key, des., fig. type: ♀, Indonesia: Sumatra: Cape Morawa, Serdang (LEIDEN). Malaysia: Sabah: bettotan near Sandakan.

Distributions:. Indonesian: Sumatra. Malaya: Sabah.

***Sychnostigma maai* Kamath & Gupta**

**Sychnostigma maai* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 188. F. key, des. Type: ♀, Indonesia: Sumatra:

Cape Morawa, Serdang (LEIDEN). Malaysia: Sarawak: Marirai V. Kapit District, 30-300 m.

Distributions: Malaysia: Sarawak. Indonesia: Sumatra.

***Sychnostigma maculiceps* (Cameron)**

Epirhyssa maculiceps Cameron, 1905. J. straits Branch Roy. Asiatic Soc., 44: 118. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Epirhyssa maculiceps: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 7.F. key. Borneo.

Ahyborhyssa maculiceps: Enderlein, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 152. n. comb.

Sychnostigma maculiceps: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 88. n. comb. Borneo. Sarawak.

Sychnostigma maculiceps: Kamath & Gupta, 1972. Oriental Is. Monogr., 2: 173. F. key, des., fig. Indonesia: Sumatra: Lampung, Wailima; Sukaranda. Kalimantan: Ketanan, 400 m. Malaysia: Sarawak: Kuching.

Distributions: Malaysia: Sarawak. Indonesia: Kalimantan; Sumatra.

***Sychnostigma malayanum* Kamath & Gupta**

Epirhyssa flavobalteata: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 7. (in part). [1 F from Malaya: Maxwell's Hill, Perak belongs here.]

Epirhyssa flavobalteata: Morley, 1913. Fauna of British India, Hymenoptera, 3: 88. (in part).

**Sychnostigma malayanum* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 163. F key, des., fig. Type: ♀, Malaysia: Malaya: Maxwell's Hill, Perak.

Distributions: Malaysia: Malaya.

***Sychnostigma nigrobalteatum* (Cameron)**

**Epirhyssa nigrobalteata* Cameron, 1903. J. Straits Branch Roy. Asiatic Soc., 39: 134. F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Malaysia: Sarawak: Kuching (LONDON). [Gupta saw only one type specimen in London in 1975.]

Epirhyssa nigrobalteata: Cameron, 1907. Ann. & Mag. Natl. Hist., (7) 20: 16. des.

Epirhyssa flavobalteata: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 7. F. key, syn. (in part).

Epirhyssa flavobalteata: Morley, 1913. Fauna of British India, hymenoptera, 3: 88. F. key, syn., des., fig. (in part).

Ahybohyssa nigrobalteata: Enderlein, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 152. n. comb.

Sychnostigma nigrobalteatum: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 88. n. comb., syn. Borneo. Malaya. Sarawak. India?.

Sychnostigma nigrobalteatum: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 190. F. key. syn. des. Indonesia: Kalimantan: Pelawan. Java."Borneo." Malaysia: Kedeh Peak, 1100 m.

Distributions:. Malaysia: Malaya; Sarawak. Indonesia: Java; Kalimantan.

***Sychnostigma sarawakense* Kamath & Gupta**

**Sychnostigma sarawakense*: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 153. F. key, des. Type: ♀, Malaysia: Sarawak: Lundu (BERLIN).

Distributions:. Malaysia: Sarawak.

***Sychnostigma silvaticum silvaticum* Kamath & Gupta**

**Sychnostigma silvaticum silvaticum* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 176. F. key, des. Type: ♀, Indonesia: Sumatra: Kotaagung, S.W. Lampongs (GAINESVILLE). Indonesia: Sumatra: Deli, Sibolangit, 350 m. Sarawak: R. Kapah, tributary of R. Tinjar. Sabah: Forest Camp, 19 km. North of Kalabaken.

Distributions:. Malaysia: Sabah: Sarawak. Indonesia: Sumatra.

***Sychnostigma spilopecta spilopecta* (Cameron)**

**Epirhyssa spilopecta* Cameron, 1905. J. Straits Branch Roy. Asiatic Soc., 44: 117. F. des. Type: ♀, Malaysia: Sarawak: Kuching (LONDON).

Epirhyssa spilopectera: Cameron, 1906. J. Straits Branch Roy. Asiatic Soc., 46: 115. F. des.

Ahyborhyssa spilopectera: Enderlein, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 153. n. comb.

Epirhyssa flavopicta: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 6. F. key, syn., des. (in part).

Sychnostigma spilopectera: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 89. comb. Sarawak.

Sychnostigma spilopectera spilopectera: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 129. M. F. key, des. Malaysia: Sarawak: Kuching; Mt. Matang, 650 m. Kalimantan: Pontianak. Malaya: Pahang, Fraser Hill, 1400 m.

Distributions:. Malaysia: Malaya, Sarawak. Indonesia: Kalimantan.

***Sychnostigma vulgare vulgare* Baltazar.**

**Sychnostigma vulgare* Baltazar, 1961. Monogr. Natl. Inst. Sci. & Technol. Manila, 7: 82. M, F. key, des. fig. Type: ♀, Philippines: Mindoro: Calapan: San Luis (GAINESVILLE). Philippines: Mindano: Agusan: Butuan; Lanao; Iligan. Malaysia: Borneo [Sarawak]: Sandakan.

Sychnostigma vulgare: Baltazar, 1966. Pacific Ins. Monogr., 8: 77. Philippines.

Sychnostigma vulgare: Momoi, 1971. Pacific Ins., 13: 133. F. Philippines: Palawan: Mantalingajan, Pinigisan, 600 m.

Sychnostigma vulgare vulgare: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 193. M, F. n. status, key, des. Philippines: Mindoro: Calapan, San Luis, 50 m.

Distributions:. Malaysia: Malaya, Sarawak. Indonesia: Kalimantan.

Genus: *Cytorhyssa* Baltazar

***Cytorhyssa mesopyrrha* (Mocsàry)**

**Rhyssa mesopyrrha* Mocsàry, 1905. Ann. Mus. Natl. Hungarici, 3: 7. F. des. Lectotype (designated by Townes, Townes & Gupta, 1961): ♀, Indonesia: Java (BUDDAPEST). Borneo.

- **Epirhyssa tuberculata* Cameron, 1906. J. Straits Branch Roy. Asiatic Soc., 46: 114. M. des. Lectotype (designated by Townes, Townes & Gupta, 1961): B&, Malaysia: Sarawak: Kuching (LONDON). Syn. by Townes, Townes & Gupta, 1961, and Baltazar, 1961.
- Rhyssa mesopyrrha*: Morley, 1913. Revisioin of the Ichneumonidae in the British Museum, 2: 14. F. key, des.
- **Lytarmes giganteus* Enderlien, 1919. Sitzber. Gesell. Naturf. Freunde Berlin, 1919: 150. F. des. Type: ♀, Indonesia: Sumatra: Sukaranda (WARSAW). Syn. by Townes, Townes & Gupta. 1961.
- Cytorhyssa mesopyrrha*: Baltazar, 1961. Monogr. Natl. Inst. Sci. & Technol. Manila, 7: 59. M, F. n. comb., key syn., des., fig. Philippines: Mindanao: Lanao: Iligan; Zamboanga: Dapitan; Lanao; Kolambungan. Malaysia: Sarawak: Sandakan. Indonesia: Kalimantan (East Borneo): Balikpapan. Java: Djampang Tengah, 1800 ft.
- Cytorhyssa mesopyrrha*: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 89. syn. Borneo. Java. Sarawak.
- Cytorhyssa mesopyrrha*: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 198. M, F. key, des., fig. Indonesia: Sumatra: Sukaranda;; Tandjung Morawa, Serdang. Java: Djampang Tengah, 600 m. Kalimantan: Batan Bessi, 150 m.; Sintang; Balikpapan, Mentawir River 50 m. Malaysia: Sarawak: Bau Dist.: Pangkalan Tebang, 300-450 m.; Kuching.
- Distributions:**. Malaysia: Sabah; Sarawak. Indonesia: Java; Sumatra; Kalimantan. Philippines: Mindanao.

Genus: *Myllenyxis* Baltazar

***Myllenyxis javensis* Kamath & Gupta**

- **Myllenyxis javensis* Kamath & Gupta, 1972. Oriental Inst. Monogr., 2: 212. M. key, des., fig. Type: ♂, Java: diangsana, Djampang Tengah (GAINESVILLE). Java: Pelabuhanratu. Malaya: Kuala Lumpur, Selangor.

Distributions:. Malaysia: Malaya. Indonesia: Java.

***Myllenyxis kuchingensis* Kamath & Gupta**

**Myllenyxis kuchingensis* Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 217. M, F, key, des., fig. Type: ♀, Malaysia: Sarawak: Kuching (LONDON). Malaysia: Sarawak: Lundu; Kapit Dist., Merirai V. 30-300 m.; Nanga Pelagus, near Kapit, 180-585 m. Sabah: Bettotan, near Sandakan. Indonesia: Sumatra: Sukaranda: Betung: Sungeilangka, 400 m. Java: Diangsana, Djampang Tengah. Thailand: S. Banna.

Distributions: Thailand. Malaysia: Sabah, Sarawak. Indonesia: Java; Sumatra.

***Myllenyxis muelleri* (Vollenhoven)**

**Rhyssa müelleri* Vollenhoven, 1879. Stettiner Ent. Ztg., 40: 140. F. des. Type: ♀, Indonesia: Java (LEIDEN).

Rhyssa muelleri: Schmiedeknecht, 1907. Genera Insectorum, 62: 62.

Rhyssa müelleri: Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 7. key. syn., des.

**Epirhyssa nigerrima* Morley, 1913. Revision of the Ichneumonidae in the British Museum, 2: 6. F. key, des. Type: ♀, Malaysia: Sarawak (LONDON). Syn. by Kamath & Gupta, 1972.

Myllenyxis müelleri: Townes, Townes & Gupta, 1961. Mem. Amer. Ent. Inst., 1: 90. n. comb. Java.

Myllenyxis nigerrima: Townes, Townes & Gupta, 1961. Mem. Amer. Inst., 1: 90. n. comb. Sarawak.

Myllenyxis muelleri: Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 207. F key, syn., des, fig. Indonesia: Sumatra: Sukaranda; Sujan, Ajam. Java. Bibidjilan, Djampang Tengah; Mt. Besar. Malaysia: Malaya: Perak. Sarawak: Nanga Pelagus, near Kapit, 180-585 m.

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

***Myllenyxis variegata* Kamath & Gupta**

Myllenyxis variegata Kamath & Gupta, 1972. Oriental Ins. Monogr., 2: 220. F. key, des., fig. Type: ♀, Malaysia: Sabah: Mt. Kinabalu, Kenokok, 1100 m. (GUPTA).

Distributions: Malaysia: Sabah.

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