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# Studies of the genus *Anthelephila* Hope (Coleoptera: Anthicidae) 16. New synonymy, nomenclatural changes, and records

# Studie rodu *Anthelephila* Hope (Coleoptera: Anthicidae) 16. Nová synonyma, nomenklaturní změny a nálezy

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**Coleoptera, Anthicidae, *Anthelephila*, new synonymy, new status, new name, faunistics, Oriental Region**

**Abstract.** *Formicomus praetor aequiparens* Kejval, 1999, *F. feai* var. *grabowskyi* Pic, 1913 and *F. rufopiceus* var. *subscutellaris* Pic, 1914 are raised to species level as *Anthelephila aequiparens* (Kejval, 1999) stat. nov., *A. grabowskyi* (Pic, 1913) stat. nov., and *A. subscutellaris* (Pic, 1914) stat. nov. *Anthelephila krekichi* nom. nov. is established to replace *Formicomus vethi* Krekich-Strassoldo, 1914 (preoccupied by *F. vethi* Pic, 1913). Sixteen new synonyms are proposed: *Anthelephila bangi sumatrensis* (Pic, 1901) (= *Formicomus atricolor* Pic, 1901, *F. siboganus* Pic, 1901, *F. vethi* Pic, 1913, syn. nov.), *Anthelephila corvina* (LaFerté-Sénectère, 1849) (= *Formicomus robustipes conterminus* Krekich-Strassoldo 1928, syn. nov.), *Anthelephila dentatipes* (Pic, 1895) (= *Formicomus dentatipes* var. *obscuricollis* Pic, 1895, syn. nov.), *Anthelephila grabowskyi* (Pic, 1913) (= *Formicomus grabowskyanus* Kejval, 1999, syn. nov.), *Anthelephila inspinosa* (Pic, 1926) (= *Formicomus subsulcatus* Pic, 1926, syn. nov.), *Anthelephila insulana* (Nietner, 1856) (= *Anthicus grossepunctatus* Fairmaire, 1896, syn. nov.), *Anthelephila luzonica* (Pic, 1913) (= *Formicomus conspiciendus* Krekich-Strassoldo, 1929, syn. nov.), *Anthelephila quaestor* (LaFerté-Sénectère, 1849) (= *Formicomus asphaltinus* Krekich-Strassoldo, 1931, syn. nov.), *Anthelephila rouyeri* (Pic, 1914) (= *Formicomus laterufus* Pic, 1926, syn. nov.), *Anthelephila spinipes* (Pic, 1913) (= *Formicomus punctaticollis* Pic, 1926, syn. nov.), *Anthelephila staudingeri* (Pic, 1895) (= *Formicomus nigricollis* Pic, 1895, *F. fossulatus* Krekich-Strassoldo, 1928, syn. nov.), *Anthelephila subscutellaris* (Pic, 1914) (= *Formicomus rufulus* Krekich-Strassoldo, 1930, syn. nov.), *Anthelephila unifasciata* (Pic, 1895) (= *Formicomus unifasciatus* var. *diversus* Pic, 1915, *F. gibbosus* Krekich-Strassoldo, 1928, syn. nov.). A lectotype is designated for *Formicomus luzonicus* Pic, 1913.

## INTRODUCTION

*Anthelephila* Hope, 1833 is large and rather distinctive genus of the family Anthicidae. The present paper summarizes new synonyms and nomenclatoral changes, resulting from examination of type specimens of some Oriental species, mostly described by Maurice Pic and Hans von Krekich-Strassoldo. In addition, new locality records for thirteen species are presented.

## MATERIAL AND METHODS

Specimens were examined with a Leica MZ 9.5 stereomicroscope; morphological measurements were taken by using an ocular graticule. Male genitalia were examined after being cleared in a hot 10% KOH solution and then placed on the same card in water-soluble dimethyl hydantoin formaldehyde resin (DMHF). Separate labels are indicated by double slashes ( // ) and comments on specimens and label data are placed in square brackets.

The following abbreviations are used in the text: [p] – printed; [h] – handwritten; env. – environs of; rec. – record from; lgt. – collected by; spec. – specimen/s; prov. – province; coll. – collection.

Acronyms of collections (in parentheses): MCSN – Museo Civico di Storia Naturale "Giacomo Doria", Genova, Italy; MIZ – Museum and Institute of Zoology, Polish Academy of Sciences, Warszawa, Poland; MNHN – Museum National d'Histoire Naturelle, Paris; NHMB – Naturhistorisches museum, Basel, Switzeland; NHMM – Natural History Museum, Maastricht, Netherlands; NHMW – Naturhistorisches Museum, Wien, Austria; NMPC – National Museum, Prague, Czech Republic; NPBC – collection Nicholas Porch, Deakin University, Burwood, Victoria, Australia; ZKDC – collection Zbyněk Kejval, Domažlice, Czech Republic; ZMHB – Museum für Naturkunde, Leibniz-Institut für Evolutions- und Biodiversitätsforschung [former Museum für Naturkunde der Humboldt Universität], Berlin, Germany.

## SYSTEMATICS

### ***Anthelephila aedipus*** (Pic, 1913)

*Formicomus aedipus* Pic, 1913a: 117.
*Formicomus oedipus* Krekich-Strassoldo, 1928a: 3, fig. 3 (homonym).

**Type locality.** *F. aedipus* Pic – Indonesia, Sumatra, Palembang, Muara-Doea; *F. oedipus* Krekich-Strassoldo – Indonesia, Sumatra, Palembang.
**Type material.** *F. aedipus* Pic – Syntypes [all same large card, lines at base]: 1 ♂, "Muara-Doea. [sic!] Res. Palembang. ±400′. Maart 90. I.Z.Kannegieter. [p; frame] // type [h; yellowish label] TYPE [p; red label] // oedipus Pic [h; sic!]"; 1 ♂, same locality label, in addition: "type [h, yellowish label]"; 1 ♂, same locality label, in addition: "oedipus Pic [h]"; 1 ♂, same locality label, in addition: "n sp pres tibialis [h, yellowish label] // oedipus Pic [h]"; 1♂ 4 ♀♀, only the same locality label; 3 ♂♂ 1 ♀, "oedipus [h]"; 7 ♂♂ 2 ♀, same card, no labels (all coll. Pic, MNHN).
*F. oedipus* Krekich-Strassoldo – Syntypes: 1 ♂, "Sumatra Palembang [h] // 556A [h] // TYPE [p; red label] // coll. Heberdey [p] // F. Oedipus Pic Pic det. [h] // oedipus Pic [h; ochraceous label, frame]" (NHMW); 1 ♂, "Sumatra Muara Doea [h] // Oedipus Pic det. [h] // Oedipus Pic Sumat. [h; frame]" (NHMW).
**Additional material. Indonesia:** 3 ♂♂ 2 ♀♀, South Sumatra, Palembang [no date and collector]; 1♂ 1 ♀, South Sumatra prov., Palembang, Mana-Riang, iv.1890, I. Z. Kannegieter lgt.; 4 ♂♂ 3 ♀♀, same locality, no date and collector; 3 ♀♀, South Sumatra prov., Palembang, Tandjong--Djati, v.1890, I. Z. Kannegieter lgt.; 3 ♂♂ 5 ♀♀, West Java prov., Sukabumi [=Soekaboemi], 1893, H. Fruhstorfer lgt.; 6 ♂♂ 4 ♀♀, same locality, no date and collector; 3 ♂♂, Kalimantan, "Borneo Doesonlanden (Wahnes) [lgt.]" (all coll. Pic, MNHN).
**Distribution.** Indonesia (Sumatra, Java, Kalimantan).
**Remarks**. Pic (1913a) described *Formicomus aedipus* [sic!] from an unstated number of specimens originating from the locality "Muara-Doca [sic!]" on the island of Sumatra. Krekich-Strassoldo (1928a) described "*Formicomus oedipus* Pic (in litt.)" from an unstated number of specimens originating from Palembang on the island of Sumatra, along with redescription of several Pic's species (always with complete references). The examined syntypes are conspecific, originating probably from same locality or at least region. Those of the latter were surely labeled by H. von Krekich-Strassoldo (handwritting is clearly different from that of Maurice Pic).

The species name "*aedipus*" is a lapsus for the name "*oedipus*" (the latter handwritten on the labels of some type specimens). It means "swollen footed", which agrees with the robust and conspicuously modified front legs in this species. However, it seems more likely that Pic named his species after the proper name of Oedipus, mythical Greek king of Thebes (who

was named for his swollen feet). In such case, it should be treated as a noun in apposition, without change of suffix. Despite the slight difference, the two names are to be regarded as homonyms (ICZN, 58.1).

### *Anthelephila aequiparens* (Kejval, 1999) **stat. nov.**

*Formicomus praetor aequiparens* Kejval, 1999: 316, figs 16, 18.

**Type locality.** Thailand, Thanong Thong Chai, Palong, 19°55′N 99°06′E.
**Type material.** Holotype ♂ (NMPC), 4 paratypes (ZKDC, NHMW).
**Additional material. Laos:** 1 ♂ 1 ♀, Borikhan prov., 20 km N of Muang Pakxan, Borikhan env., 20.v.2003, O. Šafránek lgt. (ZKDC); 3 ♂♂ 1 ♀, 5 km SE of Muang Sing, Chiang Tung (Stupa), 750 m, 9.–14.vi.2010, S. Murzin lgt. (ZKDC); 7 ♂♂ 1 ♀, 65 km NW of Luang Nam Tha, Nam Tha NPA, 1050 m, 8.–15.iv.2010, S. Murzin lgt. (ZKDC); 2 ♂♂, Vientiane prov., 35 km NE of Vientiane, Lao Pako, 200 m, 1.–4.v.2005, P. Kresl lgt. (ZKDC). **Thailand:** 1 ♂, 72 km N of Chiang Mai, Chiang Dao env., 26.–29.iv.2004, F. Pavel lgt. (ZKDC).
**Distribution.** Laos, Thailand.
**Remarks.** Originally described as a subspecies of *Formicomus praetor* LaFerté-Sénectère, 1849; raised herein to the species level, due to the discovery of numerous close species in Southeast Asia (Kejval 2017, unpublished data).

### *Anthelephila bangi sumatrensis* (Pic, 1901) **stat. nov.**

*Formicomus sumatrensis* Pic, 1901: 796.
*Formicomus sumatrensis*: Pic (1911): 21 (catalogue).
*Formicomus atricolor* Pic, 1901: 797, **syn. nov.**
*Formicomus atricolor*: Pic (1911): 16 (catalogue).
*Formicomus siboganus* Pic, 1901: 796, **syn. nov.**
*Formicomus siboganus*: Pic (1911): 21 (catalogue); Uhmann (1990a): 583 (rec. Java).
*Formicomus Vethi* Pic, 1913b: 137, **syn. nov.**

**Type locality**. *F. sumatrensis* – Indonesia, Sumatra, Pea Ragia; *F. atricolor*, *F. siboganus*, *F. vethi* – Indonesia, Sumatra, Siboga.
**Type material.** *F. sumatrensis* – Syntypes: 1 ♂, "SUMATRA PEA RAGIA X. 1890. E. MODIGLIANI [p; frame] // Typus [red printed, frame] // Museo Civ. Genova [p] // F. sumatrensis Pic n sp [h] // siboganus Pic [h] // SYNTYPUS Formicomus siboganus Pic, 1901 [p+h; pink label]" (MCSN).
*F. atricolor* – Syntypes: 1 ♂, "SUMATRA SIBOGA X. 90 e III. 91 E. MODIGLIANI [p; frame] // Typus [red printed, frame] // atricolor Pic [h] // F. atricolor Pic n sp [h] // Museo Civ. Genova [p] // SYNTYPUS Formicomus atricolor Pic, 1901 [p+h; pink label]" (MCSN); 2 ♀♀, same 1st label and "Museo Civ. Genova [p] // SYNTYPUS Formicomus atricolor Pic, 1901 [p+h; pink label]" (MCSN); 2 ♂♂, same 1st label, in addition: "désiré [h; somewhat illegible] // type [h; yellowish label] // TYPE [p; red label] // F. atricolor Pic [h]" (coll. Pic, MNHN).
*F. siboganus* – Syntypes: 1 ♂, "SUMATRA SIBOGA X. 90 e III. 91 E. MODIGLIANI [p; frame] // Typus [red printed, frame] // Museo Civ. Genova [p] // F. siboganus Pic n sp [h] // siboganus Pic [h] // SYNTYPUS Formicomus siboganus Pic, 1901 [p+h; pink label]" (MCSN); 4 ♀♀, same 1st label and "Museo Civ. Genova [p] // SYNTYPUS Formicomus siboganus Pic, 1901 [p+h]" (MCSN); 2 ♀♀, same 1st label, in addition: "type [h; yellowish label] // TYPE [p; red label] // F. siboganus Pic [h]" (coll. Pic, MNHN).

*F. vethi* – Syntype, ♀, "Sumatra: Siboga [h] // sumatranus Pic [h] // Type [h; yellowish label] // Vethi Pic [h] // inspinosus in coll Pic [h; somewhat illegible]" (coll. Pic, MNHN).

**Additional material. Indonesia**, Sumatra: 1 ♂, "SUMATRA PEA RAGIA X. 1890. E. MODIGLIANI [p; frame] // 337 [p] // var atricolor [h]" (coll. Pic, MNHN); 1 ♂, Bengkulu prov., 20 km S of Muko Muko, 20 m, 16.viii.1991, Erber lgt. (ZKDC); 1 ♂, Lampung prov., Ngalas, 4.iii.2000, P. Moric lgt. (ZKDC); 2 ♂♂, Lampung prov., Bukit Barisan Selatan National Park, 5 km SW of Liwa, 5°4′S 104°4′E, ca. 600 m, 7.–17.ii.2000, J. Bezděk lgt. (ZKDC); 3 ♂♂ 5 ♂♂, Riau prov., Bukit Tigapuluh National Park, 0°50′S 102°26′E, 18.–25.i.2000, J. Bezděk lgt. (ZKDC); 1 ♂, South Sumatra prov., Palembang, Muara-Doea, iii,1890, I. Z. Kannegieter lgt. (coll. Pic, MNHN); 1 ♂ 1 ♀, South Sumatra prov., Palembang, Mana-Riang [no date and collector] (coll. Pic, MNHN); 1 ♀, West Sumatra prov., Padang, 1890, E. Modigliani lgt. (coll. Pc., MNHN); 19 ♂♂ 5 ♀♀, West Sumatra prov., ca. 20 km N of Payakumbuh, Harau valley, 600–800 m, 5.–7.i.2006, S. Jakl lgt. (ZKDC); 4 ♂♂ 1 ♀, same data, except: iii.–v.2006 (ZKDC); 1 ♂ 1 ♀, same data, except: viii.2006 (ZKDC); 1 ♂, same data, except: vii.2007 (ZKDC). Java: 6 ♂♂ 2 ♀♀, West Java prov., Sukabumi [=Soekaboemi; no date and collector] (coll. Pic, MNHN).

**Distribution.** Indonesia (Sumatra, Java).

**Remarks.** Pic (1901) described *Formicomus sumatrensis*, *F. siboganus*, and *F. atricolor* from an unstated number of specimens collected by E. Modigliani at the localities Pea Ragia (*F. sumatrensis*, *F. siboganus*) and Siboga (*F. siboganus*, *F. atricolor*). Based on examination of the male characters, all three above-mentioned species are regarded as the same species. Selection of the senior name is based on the sequence of their descriptions, with *F. siboganus* and *F. atricolor* being placed as junior synonyms of *F. sumatrensis*.

Pic (1913b) decribed "*Formicomus Vethi* (Krekich)" from an unstated number of specimens originating from "Sumatra," and which were deposited in Pic's collection. He mentioned the presence of both sexes in the type series, and described the male as follows (freely translated from French): "male profemora thick but simple, protibiae armed with single projecting tooth on inner margin" (Pic 1913b). Searching in Pic's collection, I was able to locate a single syntype bearing the appropriate labels and exhibiting the described characters. Surprisingly, this specimen is female, showing a remarkable abnormality – the left (exposed) protibia has a strong tooth-like projection, while the right protibia (hidden under body) is quite simple, and the terminal segments of abdomen are somewhat deformed. It was found to be identical with the species discussed above, and which originate partly from same locality (Siboga). Consequently, *F. vethi* is regarded as a junior synonym of *Anthelephila sumatrensis*.

*Anthelephila sumatrensis* is extremely close to *A. bangi* (Pic, 1895), which is known from the island of Kalimantan. Having examined the types and numerous additional specimens, I found these species identical, except for the length of the profemoral process and the prominence of the small lobule on the inner margin of the protibia in males (process much longer and lobule more prominent in *A. bangi*). As these differences appear to be stable and the species are known from different islands, *A. sumatrensis* is treated herein as a subspecies of *A. bangi*.

*Anthelephila bangi sumatrensis* is reliably known only from Sumatra. The single record of *Formicomus siboganus* from Java (Uhmann 1990a) needs verification.

### *Anthelephila corvina* (LaFerté-Sénectère, 1849)

*Formicomus corvinus* LaFerté-Sénectère, 1849a: 16.
*Formicomus corvinus*: LaFerté-Sénectère (1849b): 84 (repeated description; see Chandler (2000)); Pic (1895a): 62 (rec. Sumatra); Pic (1899): 758 (rec. Sumatra); Pic (1911): 17 (catalogue); Uhmann (1983): 190 (rec. Vietnam, Malaysia); Uhmann (1987): 689, 690 (rec. Thailand, Indonesia: Bali); Telnov (1999): 74 (rec. Sumatra).
*Formicomus robustipes conterminus* Krekich-Strassoldo 1928a: 6, fig. 6, **syn. nov.**

**Type locality.** *F. corvinus* – Indonesia, Java ("Insula Java"); *F. robustipes conterminus* – Indonesia, Java, Mount Merbabu ("Gunung Merbaboe").
**Type material.** *F. corvinus* – Syntypes: 1 ♂, "47416 [p] // Java Hoffg. [h; grey label] // corvinus Laf.* typ. [h] // Type [p; reddish label] // Hist.-Coll. (Coleoptera) Nr. 47416 Formicomus corvinus Laf. Java, Hoffmannsegg Zool. Mus. Berlin [p; yellow label, black frame]"; 1 ♀ [lacking head], same labels, except the 2nd and 3rd, the 1st label handwritten (both ZMHB).
*F. robustipes conterminus* – Syntype, ♂, "G. Merbaboe Java Drescher 5.1912 [p+h] // TYPE [p; red label] // coll. Heberdey [p] // F. robustipes conterminus det. v. Krekich [p+h] // s. conterminus Krek. [h; ochraceous label, frame]" (NHMW).
**Distribution.** Indonesia (Sumatra, Java, Bali).
**Remarks.** LaFerté-Sénectère (1849a) described *Formicomus corvinus* from two specimens originating from the island of Java. Krekich-Strassoldo (1928a) described *F. robustipes conterminus* from an unstated number of specimens originating from the locality "Merbaboe", which is probably Merbabu Mt. in central Java. Having examined the male syntypes of both taxa, I found no differences in the male characters and thus propose their synonymy. In addition, the record and figures of the male characters of *F. robustipes* Pic, 1901 from Java by Krekich-Strassoldo (1928a) are based on misidentified specimens of *Anthelephila rouyeri* (Pic, 1914).

*Anthelephila corvina* is reliably known only from Java; the records from Sumatra and Bali need verification. The records from Malaysia and Vietnam by Uhmann (1983) refer to *A. serdanga* (Marseul, 1884) and *A. animata* (Pic, 1903) (relevant specimens examined), and records of this species from Thailand (Uhmann 1987) are undoubtedly erroneous.

### *Anthelephila dentatipes* (Pic, 1895)

*Formicomus dentatipes* Pic, 1895b: 7.
*Formicomus dentatipes*: Pic (1911): 17 (catalogue).
*Formicomus dentatipes* var. *obscuricollis* Pic, 1895b: 6, **syn. nov.**
*Formicomus dentatipes* var. *obscuricollis*: Pic (1911): 17 (catalogue).

**Type locality.** *F. dentatipes* var. *obscuricollis* – Malaysia, Sabah, Banggi Island ("Banguey").
**Type material.** *F. dentatipes* – Syntypes [mounted on narrow, plain card]: 1 ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // dentatipes Pic Ile Banguey [h]"; 1 ♀, "[small violet label] // Ile Banguey [h]"; 1 ♂, "[small violet label] // dentatipes Pic [h]"; 1 ♀, "[small violet label] // n sp et var prothorax foncé [h]"; 5 ♂♂ 2 ♀♀, "[only small violet label]" (all coll. Pic, MNHN).
*F. dentatipes* var. *obscuricollis* – Syntypes [mounted on narrow, plain card]: 1 ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // v. obscuricollis Pic [h]"; 1 ♀, "[small violet label] // type [h; yellowish label]"; 2 ♂♂, "[only small violet label]" (all coll. Pic, MNHN).
**Distribution.** Malaysia (Banggi Island).
**Remarks.** Pic (1895b) described *Formicomus dentatipes* and its colour variety *obscuricollis* from an unstated number of specimens originating from the locality "Banguey". Having

examined the type specimens of both taxa, I failed to find any morphological differences and thus propose their synonymy.

### ***Anthelephila dispar*** (Pic, 1895) **stat. nov.**

*Formicomus Staudingeri* var. *dispar* Pic, 1895b: 7.
*Formicomus staudingeri* var. *dispar*: Pic (1911): 21 (catalogue).

**Type locality.** Malaysia, Sabah, Banggi Island ("Banguey").
**Type material.** Syntypes [mounted on narrow, plain card]: 1 ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // v dispar Pic [h]"; 1 ♂, "[small violet label] // Banguey (Staudinger) [h]" (both coll. Pic, MNHN).
**Distribution.** Malaysia (Banggi Island).
**Remarks.** Pic (1895b) described both *Formicomus staudingeri* and its variety *dispar* from an unstated number of specimens originating from the the locality "Banguey". Having examined the type specimens of both taxa, I found the types to be similar, but clearly different based on the male characters, including the modifications of the front legs. Consequently, *Anthelephila dispar* is regarded as a separate species.

### ***Anthelephila grabowskyi*** Pic, 1913 **stat. nov.**

*Formicomus feai* var. *Grabowskyi* Pic, 1913d: 156.
*Formicomus grabowskyanus* Kejval, 1999: 331, figs 63–69, **syn. nov.**

**Type locality.** *F. feai* var. *grabowskyi*, *F. grabowskyanus* – Indonesia, Kalimantan ("S. O. Borneo").
**Type material.** *F. feai* var. *grabowskyi*, *F. grabowskyanus* – Holotype, ♂, "S. O. Borneo Grabowsky. [p] // 19386 [h] // TYPE [p; red label] // Feai v. Grabowskyi Pic det. [h] // Feai v Grabowskyi Pic [h]" (NHMW).
**Distribution.** Indonesia (Kalimantan), Malaysia (Sabah).
**Remarks.** Pic (1913d) described *Formicomus feai* var. *grabowskyi* from a single male specimen originating from the island of Kalimantan. Based on examination of the type specimens, Kejval (1999) synonymized *F. feai* Pic, 1907 from Myanmar with *F. censor* LaFerté-Sénectère, 1849, and described *F. grabowskyanus*, as he found the holotype of *F. feai* var. *grabowskyi* to be different and its name erroneously regarded as infrasubspecific. Consequently, *F. feai* var. *grabowskyi* is here raised to the species level, and *F. grabowskyanus* is treated as its junior objective synonym.

### ***Anthelephila imperator*** LaFerté-Sénectère 1849

*Anthelephilus imperator* LaFerté-Sénectère 1849a: 2, fig. 2.
*Anthelephilus imperator*: LaFerté-Sénectère 1849b: 66 (repeated description); Uhmann (1983): 194 (rec. India, Laos, Taiwan, Vietnam); Uhmann (1987): 688, 700 (rec. India, Nepal); Uhmann (1988): 400 (rec. China, Indonesia); Uhmann (1989): 248 (rec. Pakistan).
*Anthelephila imperatrix*: Krekich-Strassoldo (1931): 15, fig. 30 (male characters, rec. India); Sakai (1989): 412 (check-list); Telnov (2003): 288 (check-list, distribution, synonymy); Kejval (2007): 630, figs 2, 6, 7, 44–53 (redescription, rec. China, India, Indonesia, Japan, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, USA Pacific Territories); Chandler et al. (2008): 422 (catalogue, distribution); Hong-Ki et al. (2012): 274 (diagnosis, rec. Korea).
*Formicomus imperator*: Pic (1911): 18 (catalogue); Werner (1965): 258 (male characters, rec. Micronesia).

*Formicomus* (*Anthelephilus*) *imperator*: Blair (1942): 57 (rec. Guam Island).
*Anthicus formicarius* Nietner, 1856: 533 (homonym, preoccupied by *Anthicus formicarius* (Goeze, 1777)).
*Anthicus quisquiliarius* Nietner, 1857a: 20 (replacement name for *A. formicarius* Nietner).
*Anthicus quisquiliarius*: Krekich-Strassoldo (1913): 231 (synonymy).
*Anthicus myrmecodes* Gemminger, 1870: 123 (unnecessary 2nd replacement name for *A. formicarius* Nietner).
*Formicomus* (*Anthelephilus*) *imperator* var. *ruficolor* Pic, 1916a: 5.
*Anthelephila imperatrix* var. *ruficolor*: Telnov (2003): 288 (synonymy).
*Formicomus cribriceps* Marseul, 1876: 459.
*Formicomus cribriceps*: Lewis (1895): 446 (check-list); Hua (2002): 132 (check-list, distribution).
*Formiconus* (*Anthelephilus*) *cribriceps* [misspelling]: Miwa (1931): 180 (catalogue, distribution).
*Anthelephilus cribriceps*: Krekich-Strassoldo (1913): 231 (syn.); Nomura (1962): 1 (rec. Japan).
*Anthelephila cribriceps*: Sakai (1989): 412 (check-list); Lafer (1996): 37 (key, distribution).
*Anthelephila cribraceps* [misspelling]: Hua (2002): 131 (check-list, distribution).
*Formicomus* (*Antelephilus* [sic!]) *punctaticeps* Pic, 1916b: 11.
*Formicomus punctaticeps*: Kejval (2007): 630 (synonymy).
*Anthelephila punctaticeps*: Telnov (2003): 294 (check-list, rec. Nepal, distribution).
*Anthelephilus punctaticeps*: Uhmann (1986): 307 (rec. Nepal); Uhmann (1987): 700 (rec. India, Nepal); Uhmann (1990c): 337 (rec. Nepal).

**Type localities.** *A. imperator* – Indonesia, Lingga Islands ("Iles de la Sonde, Linga"); *A. quisquiliarius* – Sri Lanka, Colombo; *F. imperator* var. *ruficolor* – Philippines, Manila; *F. cribriceps* – Japan; *F. punctaticeps* – India, Himachal Pradesh, Kulu.
**Type material.** *A. imperator* – Holotype, ♂ (ZMHB); *A. quisquiliarius* – Syntypes, 3 spec. (MIZ); *F. imperator* var. *ruficolor* – Syntypes, 6 spec. (MNHN); *F. cribriceps* – Syntypes, 7 spec. (MNHN); *F. punctaticeps* – Syntype, 2 ♂♂ (MNHN); for complete label data see Kejval (2007).
**Additional material. China:** 18 ♂♂ 24 ♀♀, NW Hubei, Xingshan County, Zhenziling, 1600 m, 3.vii.1998, Bolm lgt. (NHMB, ZKDC). **Mauritius:** 1 ♂, Rodrigues Island, Anse Quitor Nature Reserve, 0.3 km W of Francois Leguat Cave, 19°45.445′S 63°22.077′E, 20 m, 2.xii.2016, N. Porch lgt. (NPBC).
**Distribution.** Bangladesh, China (Zhejiang, Fukien, Guangxi, Hubei), India (widespread), Indonesia (Ceram, Lombok, Sulawesi, Sumatra), Japan (Honshu, Shikoku, Kyushu, Tsushima, Ryukyu), Korea, Laos, Nepal, Pakistan, Philippines (Luzon, Mindanao), Vietnam, Sri Lanka, Taiwan, USA and Japanese territories in the Pacific Ocean (Bonin, Volcano, Mariana, Caroline and Palau Islands). The species is here recorded from the Mascarene Islands in the Indian Ocean for the first time.
**Remarks.** *Anthelephila imperator* is presently regarded as rather widespread species that varies in male abdominal characters (Kejval 2007). The Rodrigues Island specimen was found in berlesate of leaf litter from the edge of a still water pond in a remnant lowland indigenous forest (N. Porch, pers. comm.). It displays only slight differences from the typical form, and represents another case of long distance introduction, similar to the Micronesian occurrences. The original spelling "*imperator*" is a noun in apposition. Consequently, the ending is constant, regardless of the gender of the associated genus name (ICZN 2000, 31.2.1. and 34.2.1.). The incorrect spelling "*imperatrix*" was apparently introduced by Krekich-Strassoldo (1931), and was adopted by a number of authors (see above).

The records of *Anthelephilus punctaticeps* from Bhutan, India and Nepal (Uhmann 1986, 1987, 1990c, Telnov 2003) belong to *A. sculpta* Kejval, 2007, *A. lobulicula* Kejval, 2007, and *A. kresli* Kejval, 2007 (Kejval 2007).

### *Anthelephila inspinosa* (Pic, 1926)

*Formicomus inspinosus* Pic, 1926: 15.
*Formicomus subsulcatus* Pic, 1926: 15, **syn. nov.**

**Type locality.** *F. inspinosus*, *F. subsulcatus* – Indonesia, Sumatra, West Sumatra Province, Payakumbuh ("Pajunkumbo").
**Type material.** *F. inspinosus* – Syntype, ♂, "Sumatra Pajunkumbo (Rouyer) [h] // [male sex-symbol [h] // inspinosus n sp [h]" (coll. Pic, MNHN).
*F. subsulcatus* – Syntypes: 2 ♂♂ 2 ♀♀ [mounted on two cards, single pin], "Pajunkumbo Sumatra (Rouyer) [h] // F. subsulcatus n sp [h]"; 2 ♂♂ 1 ♀, "Pajunkumbo Sumatra (Rouyer)" (all coll. Pic, MNHN).
**Additional material. Indonesia** (Sumatra): 7 ♂♂ 1 ♀, West Sumatra prov., Singgalang Mt., 1000 m, ii.1991, S. Jakl lgt. (ZKDC); 2 ♂♂ 2 ♀♀, West Sumatra prov., Payakumbuh, Sari Lamak, 10.–15.ii.1991, S. Jakl lgt. (ZKDC); 7 ♂♂ 1 ♀, West Sumatra prov., ca. 20 km N of Payakumbuh, Harau valley, 600–800 m, 5.–7.i.2006, S. Jakl lgt. (ZKDC); 16 ♂♂ 6 ♀♀, same data, except: iii.–v.2006 (ZKDC); 55 ♂♂ 47 ♀♀, same data, except: viii.2006 (ZKDC, NMPC); 30 ♂♂ 52 ♀♀, same data, except: v.2007 (ZKDC, NMPC); 6 ♂♂ 10 ♀♀, same data, except: vii.2007 (ZKDC); 1 ♂ 1 ♀, 35 km N of Payakumbuh, Mount Sanggul, Landai vill. env., 1250–1400 m, vii.2007, S. Jakl lgt. (ZKDC); 1 ♂, Riau prov., Bukit Tigapuluh National Park, 0°50′S 102°26′E, 18.–25.i.2000, J. Bezděk lgt. (ZKDC); 1 ♂, South Sumatra prov., Palembang, Muara-Doea, iii,1890, I. Z. Kannegieter lgt. (coll. Pic, MNHN). **Malaysia**: Pahang, Banjaran Benom Mts., 10 km SW of Kampong Damak, 12.–15.iv.1997, D. Hauck lgt. (ZKDC). **Thailand**: 1 ♂ 1 ♀, Yala prov., Betong distr., Gunung Cang dun vill., 25.iii.-22.iv.1993 J. Horák leg. (ZKDC).
**Variation.** Male profemoral process typically distinctly projecting, rarely reduced to an inconspicuous protuberance (syntype of *F. inspinosus*, single specimen from Singgalang Mt.).
**Distribution.** Indonesia (Sumatra). This species is here recorded for the first time from Malaysia (Pahang) and southern Thailand.
**Remarks.** Pic (1926) described *F. inspinosus* and *F. subsulcatus* from an unstated number of specimens originating from the island of Sumatra. The type specimens were examined and were found to be identical, including all the male characters, and the species are thus regarded as synonyms. They were all collected, judging from identical labels, by H. Royer at the locality Payakumbuh, which is both a province and a city in West Sumatra.

### *Anthelephila insulana* (Nietner, 1856)

*Anthicus insulanus* Nietner, 1856: 534.
*Anthicus insulanus*: Nietner (1857a): 21 (repeated description); Nietner (1857b): 383 (repeated description).
*Formicomus insulanus*: Pic (1911): 18 (catalogue); Bonadona (1978): 72 (rec. India: Andhra Pradesh); Bonadona (1986): 70 (rec. Sri Lanka).
*Anthelephila insulana*: Telnov (2001): 184 (rec. India: Tamil Nadu); Kejval (2010): 203 (rec. India: Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Tamil Nadu; Sri Lanka).
*Formicomus robusticollis* Pic, 1913e: 9.
*Formicomus robusticollis*: Bonadona (1986): 70 (synonymy).
*Anthicus grossepunctatus* Fairmaire, 1896: 46, **syn. nov.**
*Anthelephila grossepunctata*: Telnov (2010): 9 (new comb.).

**Type locality.** *A. insulanus* – Sri Lanka, Negombo; *A. grossepunctatus* – India, Karnataka, Belagavi ("Belgaum", see Remarks); *F. robusticollis* – India, Tamil Nadu, Chambaganor.

**Type material.** *A. insulanus* – Syntypes: 2 ♀♀ [mounted on the same card], "Ceylon Nietners [p+h, frame] // Mus. Zool. Polonicum Warszawa 12/45 [p] // MIZ 235898 [p] // MIZ 235899 [p] // Anthelephilus insulanus Nietn. determ. transcr. ex coll. Mus. Stettin. [p] // insulanus ˟ Nietn. Ceylon [h; double frame]"; 1 ♂ 1 ♀ [mounted on the same card], same data, except: "MIZ 235900 [p] // MIZ 235901 [p]" and lacking the last label (all MIZ). *A. grossepunctatus* – Holotype, ♀, "Belgaum [p] // 797 [h] // Anthicus grossepunctat Fairm India [h]" (MNHN); *F. robusticollis* – Syntypes, not examined (coll. Pic, MNHN).
**Distribution**. India (subcontinental), Sri Lanka.
**Remarks.** Nietner (1856) described *Anthicus insulanus* based on a series of specimens (number unstated) from Sri Lanka. The next two descriptions (Nietner 1897a, b) are essentially identical. Fairmaire (1896) described *A. grossepunctatus* from a single specimen collected at the locality "Belgaum", which may refer to the Belagavi district in northwestern Karnataka (also an eponymous division and town).

*Anthelephila insulana* can be regarded as a common and rather distinctive species, widespread on the whole Indian subcontinent (Kejval 2010). I was able to check its identity from rather precise photographs of the type specimens provided by D. Schimrosczyk (MIZ). No additional syntypes were found in ZMHB (B. Jäger, pers. comm.), and none are probably deposited in SDEI (Gaedike 1986). The female holotype of *Anthicus grossepunctatus* was examined and is identical in my opinion, and this species is newly placed as a junior synonym of *F. insulanus*.

The record of *Formicomus insulanus* from Uppaluru by Bonadona (1978) was misinterpreted by Kejval (2010) and refers to India.

### *Anthelephila krekichi* nom. nov.

*Formicomus vethi* Krekich-Strassoldo, 1914: 3 (homonym, preoccupied by *F. vethi* Pic, 1913)
*Formicomus vethi*: Krekich-Strassoldo (1925): 97, fig. 1a (male characters); Uhmann (1994): 670 (rec. Java).

**Type locality**. Indonesia, Java Island, West Java Province, Parahyangan Region ("Preanger").
**Type material.** Syntypes: 1 ♂ [torso, lacking head and pronotum], "P.F.Sijthoff. Preanger. Java [p; frame] // [male sex-symbol] // 515C [h] // TYPE [p; red label] // coll. Heberdey [p] // Vethi det.v.Krekich. [p+h]"; 1 ♀, "P.F.Sijthoff. Preanger. Java [p; frame] // [female sex-symbol] // TYPE [p; red label] // Vethi det.v.Krekich. [p+h]" (both NHMW).
**Additional material. Indonesia**: 6 ♂♂ 1 ♀, West Java prov., Gede Pangrango National Park, Salabintana Gate to Sawer Waterfall, 1000–1200 m, 23.viii.1994, R. Schuh lgt. (ZKDC); 1 ♂ 2 ♀♀, West Java prov., Gede Pangrango National Park, Cibodas, 1600 m, vi.1996, S. Jakl lgt. (ZKDC).
**Distribution.** Indonesia (Java).
**Remark.** Krekich-Strassoldo (1914) described *Formicomus vethi* from an unstated number of specimens collected by P. F. Sijthoff (based on label data) in the Parahyangan Region in western Java. Pic (1913b) described *Formicomus vethi* from the island of Sumatra (treated above as a junior synonym of *Anthelephila bangi sumatrensis*). The replacement name *Anthelephila krekichi* nom. nov. is here proposed for the junior homonym, *F. vethi* Krekich-Strassoldo. It is a patronym based on the name of the original author.

### *Anthelephila luzonica* (Pic, 1913)

*Formicomus luzonicus* Pic, 1913e: 10.
*Formicomus conspiciendus* Krekich-Strassoldo, 1929: 460, pl. 1, fig. 12, **syn. nov.**

**Type locality.** *F. luzonicus* – Philippines, Northern Luzon; *F. conspiciendus* – Philippines, Luzon, Manila.
**Type material.** *F. luzonicus* – Lectotype (herewith designated), ♂: "N. Luzon. [h] // type [h; ochraceous label] // TYPE [p; red label] // luzonicus Pic [h]" (MNHN). Paralectotype, ♀ [originally mounted on the same card], same data (MNHN). *F. conspiciendus* – Syntypes: 1 ♂, see Remarks (NHMW).
**Additional material. Philippines:** 3 ♂♂ 2 ♀♀, Luzon Island, 1500–1800 m, 1894, Whitehead lgt. (MNHN, ZKDC); 1 ♂, Luzon Island, Abra prov., Cordillera Central Mts, SE of Licuan, Pultoc Mt., 17°34′N 120°55′E, 900 m, 29.iii.2000, L. Dembický lgt. (ZKDC).
**Distribution.** Philippines (Luzon).
**Remarks.** Pic (1913e) described *Formicomus luzonicus* from an unstated number of specimens originating from the island of Luzon. Krekich-Strassoldo (1929) described *F. conspiciendus* from an unstated number of specimens originating from Manila on the island of Luzon. Searching through Pic's collection (MNHN) I found two syntypes of *F. luzonicus,* and also noted the presence of a single syntype of *F. conspiciendus* in NHMW and took some photographs of it. The male syntypes are identical both externally and by their abdominal characters, based on comparison to the figures provided by Krekich-Strassoldo (1929). Consequently, *F. conspiciendus* is regarded as a junior synonym of *Anthelephila luzonica*.

A male lectotype is designated for *Formicomus luzonicus* due to the moderately different shape of the head in the female syntype (evenly rounded posteriorly), and the existence of several close species, that differ mainly in the male abdominal characters.

### *Anthelephila quaestor* LaFerté-Sénectère, 1849

*Formicomus quoestor* [sic!] LaFerté-Sénectère, 1849a: 18.
*Formicomus quaestor*: LaFerté-Sénectère (1849b): 87, errata (repeated description, correction of name spelling; see Chandler (2000)); Pic (1911): 20 (catalogue).
*Formicomus asphaltinus* Krekich-Strassoldo, 1931: 14, fig. 27, **syn. nov.**
*Formicomus asphaltinus*: Uhmann (1990b): 147 (rec. Thailand); Uhmann (1996): 25 (rec. Thailand); Uhmann (2000): 156 (rec. Thailand).

**Type locality.** *F. quaestor* – Southern Myanmar, Tanintharyi Region ("India Orientalis", see Remarks); *F. asphaltinus* – Myanmar ("Birma").
**Type material.** *F. quaestor* – Syntypes: 1 ♂ 1 ♀, "Carteromerus Quaestor mihi h. Ind. Orient. D. Schmidt [h; yellowish label, pinned separately] // [male or female sex symbol] // Muséum Paris La 1952 Ferté Coll. Oberthur [p+h] // TYPE [p; red label]"; 1 ♂ 2 ♀, same data, lacking sex-symbol label (all coll. LaFerté, MNHN).
*F. asphaltinus* – Syntypes: 1 ♂, "Birma [h] // 550A [h] // TYPE [p; red label] // collection Motschulsky [h] // F. asphaltinus Motsch. det. v. Krekich [p+h] // coll. Heberdey [p] // asphaltinus Krek. [h; ochraceous label, frame]" (NHMW).
**Additional material. Myanmar**: 21 ♂♂ 25 ♀♀, "Tenasserim" [=Tanintharyi Region], J. V. Helfer lgt. (NMPC, ZKDC, NHMW).

**Distribution.** Myanmar.
**Remarks.** LaFerté-Sénectère (1849a) described *Formicomus quaestor* from an unstated number of specimens collected by J. V. Helfer in "India Orientalis". The type locality can be roughly specified as the Tanintharyi Region (formerly Tenasserim) in southern Myanmar, based on the recollections of Helfer-Nostitz (1878).

Krekich-Strassoldo (1931) described *Formicomus asphaltinus* from an unstated number of specimens collected in "Birma". Having examined a male syntype from NHMW bearing the appropriate labels, I found this species identical to *Anthelephila quaestor*.

The records of *Formicomus asphaltinus* from Thailand by Uhmann (1990b, 1996, 2000) were found to be based on misidentifications (most specimens examined).

### ***Anthelephila rouyeri*** (Pic, 1914)

*Formicomus rouyeri* Pic, 1914: 183.
*Formicomus rouyeri*: Krekich-Strassoldo 1929: 462, pl. 1, fig. 15 (male characters, rec. Luzon).
*Formicomus laterufus* Pic, 1926: 14, **syn. nov.**

**Type locality.** *F. rouyeri*, *F. laterufus* – Indonesia, East Java, Malang.
**Type material.** *F. rouyeri* – Syntype, ♂, "Malang Java (Rouyer) [h] // type [h; yellowish label] // TYPE [p; red label] // Rouyeri Pic [h]" (coll. Pic, MNHN).
*F. laterufus* – Syntype, ♂, "Malang Java (Rouyer) [h] // n sp prés Rouyeri [h] // Formicomus laterufus n sp [h]" (coll. Pic, MNHN).
**Additional material. Indonesia**: 3 ♂♂ 5 ♀♀, West Java prov., Sukabumi [=Soekaboemi, no date and collector]; 8 ♂♂ 3 ♀♀, West Java prov., Tjigembong [no date], J. B. Corporaal lgt.; 3 ♂♂ 3 ♀♀, East Java prov., Malang [no date], Rouyer lgt. (all coll. Pic, MNHN).
**Distribution.** Indonesia (Java).
**Remarks.** Pic (1914, 1926) described both *Formicomus rouyeri* and *F. laterufus* from an unstated number of specimens collected by H. Rouyer on the island of Java, probably at the same locality of Malang, judging from the identical labels of the syntypes examined. They were found to be identical and *F. laterufus* is thus regarded herein as a junior synonym of *F. rouyeri*.

*Anthelephila rouyeri* is reliably known only from Java. The record from the Philippines by Krekich-Strassoldo (1929) is based on single female specimen misidentified by Maurice Pic (relevant spec. examined, uncertain identity, but clearly a different species).

### ***Anthelephila spinipes*** (Pic, 1913)

*Formicomus spinipes* Pic, 1913c: 131.
*Formicomus spinipes*: Krekich-Strassoldo (1930): 254, fig. 4 (male characters); Uhmann (1990a): 583 (rec. Sumatra, Java).
*Formicomus punctaticollis* Pic, 1926: 15, **syn. nov.**

**Type locality**. *F. spinipes* – Indonesia, Java, East Java Province, Tengger Mts.; *F. punctaticollis* – Indonesia, Java, East Java Province, Malang.
**Type material**. *F. spinipes* – Syntypes [large rectangular cards, five lines at base]: 1 ♂, "Java orient. Montes Tengger 4000´ 1890 H. Fruhsorfer. [p; bluish label, frame] // Type [h; ochraceous label] // TYPE [p; red label] // sp prés Bangi [h] // spinipes Pic [h]"; 5 ♂♂ 6 ♀♀, only same locality label (all coll. Pic, MNHN).

*F. punctaticollis* – Syntype [mounted on triangular card] ♀, "[round red label] // Java Malang (Rouyer) [h] // punctaticollis n sp [h]" (coll. Pic, MNHN).
**Additional material. Indonesia**: 1 ♂, "Java Tengger Geb. XII [h]" (NHMW); 7 ♂♂ 4 ♀♀, Java [no date and collector] (coll. Pic., MNHN); 1 ♂, East Java prov., Malang [no date and collector] (coll. Pic, MNHN); 2 ♂♂ 1 ♀, East Java prov., Gunung Kawi, iv.1919, Drescher lgt. (NHMW); 1 ♂, same locality, no date and collector (coll. Pic, MNHN); 2 ♂♂ 2 ♀♀, East Java prov., Trawas, E slopes of Gunung Penangguangan, 1000 m, 6.–9.v.2001, Bolm lgt. (NHMB, ZKDC).
**Distribution**. Indonesia (Sumatra, Java).
**Remarks**. Pic (1913) described *Formicomus spinipes* from an unstated number of specimens collected in "Monts Tengger" on the island of Java. Pic (1926) described *F. punctaticollis* from Malang, which is a city located near western foot of Tengger massif, based on an unstated number of female specimens (label data from an examined syntype).

Based on comparison of the type specimens, I failed to find any substantial differences between the two species. *Antehelephila spinipes* is clearly variable in the prominence of the punctation on the pronotal disc. The female type of *Formicomus punctaticollis* was collected by H. Rouyer, and there are specimens of *A. spinipes*, *A. rouyeri*, and *A. tibialis* (Pic, 1901) in the Pic Collection that were probably taken by the same collector at Malang (judging from similar handwritten locality labels). For these reasons, *F. punctaticollis* is regarded as a junior synonym of *A. spinipes*.

### ***Anthelephila staudingeri*** (Pic, 1895)

*Formicomus Staudingeri* Pic, 1895b: 8.
*Formicomus staudingeri*: Pic (1911): 21 (catalogue).
*Formicomus nigricollis* Pic, 1895b: 8, **syn. nov.**
*Formicomus staudingeri* var. *nigricollis*: Pic (1911): 21 (catalogue).
*Formicomus fossulatus* Krekich-Strassoldo, 1928a: 7, fig. 8., **syn. nov.**
*Anthelephila fossulata*: Chandler et al. (2008): 422 (catalogue, distribution).

**Type locality**. *F. staudingeri*, *F. nigricollis* – Malaysia, Sabah, Banggi Island ("Banguey"); *F. fossulatus* – Malaysia, Sabah, Sandakan.
**Type material**. *F. staudingeri* – Syntypes [mounted on narrow, plain card]: 1 ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // Staudingeri Pic Ile Banguey [h]"; 1 ♀, "[small violet label] // Staudingeri Pic [h]"; 1 ♂, "[small violet label] // près …King ? [h; partly illegible]"; 6 spec., "[only small violet label]" (all coll. Pic, MNHN).
*F. nigricollis* – Syntype ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // v. nigricollis Pic [h]" (coll. Pic, MNHN).
*F. fossulatus* – Syntype ♂, "Sandakan Borneo Baker [p] // [male sex-symbol] // 468 [h] // TYPE [p; re label] // coll. Heberdey [p] // F. fossulatus Kr. det. v. Krekich [p+h] // fossulatus Krek. [h; ochraceous label, frame]" (NHMW).
**Additional material. Malaysia:** 2 ♂♂, Sabah, Poring Spring, 1.iii.1992, A. Floren lgt. (ZKDC).
**Distribution.** Malaysia (Sabah).
**Remarks.** Pic (1895b) described *Formicomus staudingeri* and *F. nigricollis* from an unstated number of specimens originating from the locality "Banguey", and regarded the latter as a possible variety of the former. Krekich-Strassoldo (1928a) described *F. fossulatus* from an unstated number of specimens originating from Sandakan in Malyasia (Sabah).

Having examined the type specimens of all three species, I found no substantial differences, especially in the male characters. Consequently, the latter two names are regarded as junior synonyms of *Anthelephila staudingeri*.

*Anthelephila staudingeri* is reliably known only from Kalimantan and Banggi Islands. The natural occurrence in the Himalaya (Sikkim/Darjeeling District), based on an unpublished record of the herein synonymized *A. fossulata* (Chandler et al. 2008), is excluded. I have examined a female of *Anthelephila latipennis* (Pic, 1914) from the Darjeeling District (NHMB), identified as "Formicomus fossulatus Krek. det. D. Telnov, 1999," that may be the relevant misidentified specimen.

### ***Anthelephila subscutellaris*** (Pic, 1914) **stat. nov.**

*Formicomus rufopiceus* var. *subscutellaris* Pic, 1914: 183.
*Formicomus rufopiceus* var. *subscutellaris*: Kejval 2002: 264 (note).
*Formicomus* (*Orthauchen*) *rufulus* Krekich-Strassoldo, 1930: 251, fig. 1, **syn. nov.**
*Formicomus rufulus*: Telnov (1999): 74 (rec. Thailand).

**Type locality.** *F. rufopiceus* var. *subscutellaris* – Indonesia, Java, East Java Province, Banyuwangi ("Banjoewangi"); *F. rufulus* – Indonesia, Java, Andjasmo and Mount Kawi.
**Type material.** *F. rufopiceus* var. *subscutellaris* – Syntype, ♀, "Banjoewangi Java 1910 Mac Gillavry [p] // ex Krekich [h] // rufopiceus Frm probabl [h] // type [h; yellowish label] // TYPE [p; red label] // rufopiceus var subscutelaris Pic [h]" (coll. Pic, MNHN).
*F. rufulus* – Syntypes: 1 ♂, "Java G. Kawi VIII [h] // TYPE [p; red label] // coll. Heberdey [p] // F. rufulus Kr. det. V. Krekich [p+h] // rufulus Krek. [h; ochraceous label, frame]"; 1 ♀, "G. Kawi Java Drescher 8.1919 [p+h] // [female sex-symbol] // CO-TYPE [p; red label] // F. rufulus Kr. det. v. Krekich [p+h]" (both NHMW).
**Additional material. Indonesia**: 1 ♂ 1 ♀, East Java, Meru-Betiri National Park, 5 km S of Malangsari, 500 m, 20.v.–5.vi.1996, S. Jakl lgt. (ZKDC); 1 ♂, East Java, Idjen, Blawan, vi.1924, Dammerman lgt. (ZKDC); 1 ♂ 2 ♀♀, East Java, Gunung Kawi [no date], Rouyer lgt. (MNHN).
**Distribution.** Indonesia (Java), Thailand.
**Remarks.** Pic (1914) described *Formicomus rufopiceus* var. *subscutellaris* from an unstated number of specimens originating from Java that were provided by H. von Krekich-Strassoldo. As already stated by Kejval (2002), this variety differs clearly from *Anthelephila rufopicea* and must be treated as a separate species. Based on similarity of the male characters, *A. subscutellaris* undoubtedly belongs to a small species-group, including *A. taliana* (Pic, 1913) and treated by Kejval (2002). It is reliably known only from the island of Java. The record of herein synonymized *F. rufulus* from Thailand (Telnov 1999) should be verified, as I have identified some specimens of *Anthelephila akela* Kejval, 2017 from Laos (NHMB), that were previously labeled "Formicomus rufulus" by D. Telnov.

Krekich-Strassoldo (1930) described *Formicomus* (*Orthauchen*) *rufulus* from an unstated number of specimens originating from two localities on the island of Java, Andjasmo and Gunung Kawi (the latter is a stratovolcano in the East Java Province). A male syntype was examined that had been dissected and used for the original description of the male characters by Krekich-Strassoldo; parts of its abdomen were found on microscopic slide number 804 (stored in separate boxes).

Based on examination of the types and additional specimens from East Java, I found *F. rufulus* to be identical with *Anthelephila subscutellaris* and thus propose its placement as a junior synonym of this species.

### *Anthelephila unifasciata* (Pic, 1895)

*Formicomus unifasciatus* Pic, 1895b: 7.
*Formicomus unifasciatus*: Pic (1911): 21 (catalogue); Uhmann (1989): 247 (rec. Malaysia: Sabah).
*Formicomus unifasciatus* var. *diversus* Pic, 1915: 2, **syn. nov.**
*Formicomus gibbosus* Krekich-Strassoldo, 1928b: 72, fig. 7, **syn. nov.**

**Type locality.** *F. unifasciatus* – Malaysia, Sabah, Banggi Island ("Banguey"); *F. unifasciatus* var. *diversus* – Indonesia, Kalimantan, Selatan Province, Martapura; *F. gibbosus* – Malaysia, Sabah, Sandakan.
**Type material.** *F. unifasciatus* – Syntypes [mounted on narrow, plain card]: 1 ♂, "[small violet label] // type [h; yellowish label] // TYPE [p; red label] // unifasciatus Pic Ile Banguey [h]"; 1 ♀, "[small violet label] // type [h; yellowish label]"; 1 ♂, "[small violet label] // voisin de humeralis Macl [h]"; 1 ♂, "[small violet label] // n sp pres censor Laf [h] unifasciatus Pic [h]"; 1 ♂ 6 ♀♀, "[only small violet label]" (all coll. Pic, MNHN).
*F. unifasciatus* var. *diversus* – Syntype ♀, "Martapura S.E. Borneo Doherty 1891 [p] type [h; yellowishlabel] // TYPE [p; red label] // F. unifasciatus v. diversus [h]" (coll. Pic, MNHN).
*F. gibbosus* – Syntypes: 1 ♂, "Sandakan Borneo Baker [p] // [male sex-symbol] // TYPE [p; re label] // coll. Heberdey [p] // F. gibbosus Kr. det. v. Krekich [p+h] // gibbosus Krek. [h; ochraceous label, frame]"; 1 ♀, "Sandakan Borneo Baker [p] // [female sex-symbol] // TYPE [p; re label] // coll. Heberdey [p] // F. gibbosus Kr. det. v. Krekich [p+h] // ♂ 469 [h; number of slide for male]" (both NHMW).
**Additional material. Malaysia**: 2 ♂♂ 1 ♀, Sepilok, iv.–v.1982, D. Burckhardt lgt. (ZKDC).
**Distribution**. Indonesia (Kalimantan), Malaysia (Kalimantan and Banggi Islands).
**Remarks.** Pic (1895b) described *Formicomus unifasciatus* from an unstated number of specimens originating from the locality "Banguey". Pic (1915) described *F. unifasciatus* var. *diversus* from an unstated number of specimens originating from Martapura on the island of Kalimantan. Krekich-Strassoldo (1928b) described *F. gibbosus* from an unstated number of specimens originating from Sandakan on the island of Kalimantan.

Having examined the type specimens of all three taxa, I failed to find any substantial differences (the male characters of *F. unifasciatus* and *F. gibbosus* are quite identical). Consequently, the latter two species are regarded as junior synonyms of *Anthelephila unifasciata*.

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## SOUHRN

Práce se zabývá taxonomií orientálních druhů rodu *Anthelephila* Hope, 1833 a shrnuje část výsledků studia typového materiálu.

Nové jméno *Anthelephila krekichi* nom. nov. je stanoveno jako náhrada za mladší primární homonymum *Formicomus vethi* Krekich-Strassoldo, 1914 (starší homonymu je *F. vethi* Pic, 1913). Taxony *Formicomus praetor aequiparens* Kejval, 1999, *F. feai* var. *grabowskyi* Pic, 1913 a *F. rufopiceus* var. *subscutellaris* Pic, 1914 jsou nově povýšeny na druhovou úroveň, jako *Anthelephila aequiparens* (Kejval, 1999), *A. grabowskyi* (Pic, 1913) a *A. subscutellaris* (Pic, 1914). Celkem je navrženo šestnáct nových synonym (viz abstrakt). Pro druh *Formicomus luzonicus* Pic, 1913 je ustanoven lektotyp, vzhledem k rozdílům ve tvaru hlavy mezi oběma syntypy a existenci několika vzhledově velmi podobných druhů, které jsou spolehlivě odlišitelné jen na základě studia samčích znaků.