

Sawflies (Hymenoptera: Symphyta, Tenthredinidae) from Indonesia, Malaysia and Vietnam

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Key words: Hymenoptera; Symphyta; Tenthredinidae; Vietnam; Indonesia; Malaysia; new species. Four new species are described from Vietnam: *Pristiphora lamdongensis* spec. nov., *Athlophorus vietnamensis* spec. nov., *Heptamelus devriesi* spec. nov., and *Ferna lamdongensis* spec. nov. They are compared to *Athlophorus jacobsoni* Enslin, 1912, *Heptamelus ruficinctus* Malaise, 1961, and *Ferna cinguliventris* Saini & Vasu, 1997. Results of previous expeditions are given. A detailed description of *Monophadnus funebris* Konow, 1898, and corrections to the previous paper are added.

Introduction

In the first part of this study (Haris, 2006a), I published several new species collected during expeditions by C. van Achterberg and R. de Vries to Vietnam, Indonesia and Malaysia, between 1987 and 2001, together with earlier collected species from New Guinea. An identification key for the species of Tenthredinidae of Indonesia, Malaysia, and New Guinea was included. In this second part, I list the faunistic results of these expeditions and describe four new species of the latest expedition to South Vietnam in 2005. Finally, in the appendix, some corrections to the previously published identification keys are given.

All relevant papers were listed in the References of the first paper (Haris, 2006a) are not repeated here. Only additional cited papers are listed. Although their scope is not Vietnam, Malaysia, or Indonesia, some of the listed species in these papers (Malaise, 1961; Saini & Vasu, 1995, 1997; Saini, Saini & Vasu 1999; Nie & Wei, 1998; Wei & Nie 1998) have been recorded in the studied regions. The material is deposited in the Nationaal Natuurhistorisch Museum (Naturalis), Leiden with duplicates in the Museum Zoologicum Bogoriensis (Cibinong, Indonesia) and the Institute of Ecology & Biological Resources, Hanoi (Vietnam).

Sawflies (Tenthredinidae) from Indonesia and Malaysia

Ateloza pilosa (Konow, 1898), (syn.: *Ateloza solcicornis* Enderlein, 1919): 1 ♀, Malaysia, SW. Sabah, near Long Pa Sia (west), c. 1020 m, 25.xi.-8.xii.1987.

Canonias inopinus Konow, 1901: 1 ♂, Malaysia, SE. Sabah, near Danum Valley, c. 150 m, 20-22.xi.1987; 1 ♂, id., but 26.iii.-19.iv.1987; 1 ♂, id., but 5.xii.1987-20.i.1988; 1 ♂ id., but 19.iii.-19.iv.1988; 1 ♂; Indonesia, SE.-S. Sulawesi, near Sanggona, Base Camp, Gn. Watuwila, c. 200 m, 19.x.-5.xi.1989.

Heptamelus rugifrons Malaise, 1961: 1 ♀, Indonesia, Sulawesi, near Mamasa, Penannang, 1590 m, 10-22.iv.1991.

Neostromboceros celebensis Forsius, 1931: 5 ♀ ♀, Indonesia, SW. Sulawesi, Gn. Bulusaraung, near Camba, Mallawa, c. 800 m, 21.ii.-25.iii.1997; 3 ♀ ♀, Indonesia, SW. Sulawesi, Ciakar Alam Laya, c. 15 km S. of Camba, c. 400 m, 23-26.x.1991.

- Neostromboceros cyaneus* (Enderlein, 1919): 5 ♀♀, Indonesia, W. Bali, near Negara, rainforest above Batuagung, c. 550 m, 4-13.xii.1991; 1 ♀, W. Bali, near Negara, rainforest above Batuagung, c. 75 m, 13-14.xii.1991.
- Neostromboceros iridipennis* (Cameron, 1903): 29 ♀♀, 36 ♂♂, Malaysia, SE. Sabah, near Danum Valley Field C., c. 150 m, 26.iii.1987-22.v.1988.
- Nesoselandria annulata* Malaise, 1944: 3 ♀♀, Indonesia, Sula Isl., Mangole, near Buya, 460 m, 12.x.-2.xi.1993; 3 ♀♀, id., 13.x.-2.xi.1993; 1 ♂, Indonesia, SE. Sulawesi, near Sanggona, Gn. Watuwila, c. 200 m, 19.x.-5.xi.1989.
- Nesoselandria jacobsoni* (Enslin, 1912): 4 ♀♀, Malaysia, SE. Sabah, near Danum Valley Field C., c. 150 m, 23.viii.-4.xii.1987.
- Nesoselandria nigroalata* Haris, 2002: 5 ♀♀ + 1 ♂, Indonesia: Sulawesi, near Mamasa Penannang, 1650 m, 10-22.iv.1991.
- Nesoselandria rugafrons* (Benson, 1935): 1 ♀, Malaysia, SE. Sabah, near Danum Valley Field C., c. 150 m, 2-23.viii.1987; 1 ♀, id., 20-22.xi.1987.

Sawflies from Vietnam

- Abeleses birmanus* Malaise, 1961: 1 ♀, Ninh Binh, Cuc Phuong N. P., near entrance, c. 225 m, 14.iv.-1.v.2000.
- Ateloza pilosa* (Konow, 1898), (syn.: *Ateloza solcicornis* Enderlein, 1919): 1 ♀, S. Vietnam, Dong Nai, Cat Tien N.P., Ficus trail, Mal trap 1-8, c. 100 m, 1-9.x.2005.
- Athalia proxima* (Klug, 1815): 1 ♀, Vinh Phuc, Tam Dao N. P., c. 1000 m, 18.iv.2001.
- Athlophorus perplexus* (Konow, 1898): 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 20.xii.1999-10.ii.2000; 2 ♀♀, id., but 14.iv.-1.v.2000; 1 ♀, id., but 1.xi.-20.xii.1999; ♀, id., but 10.ii.-15.iii.2000.
- Athlophorus placidus* (Konow, 1898): 1 ♂, Vinh Phuc, Tam Dao N. P., c. 1000 m, 21.iv.2001; 2 ♂♂, id., 17.iv.2001; 2 ♀♀, id., but 18-21.iv.2001.
- Busarbia issikii* (Takeuchi, 1928): 1 ♂, Tonkin, Hoang Lien N. R., W. of Sa Pa, c. 1900 m, 15-21.x.1999.
- Busarbia viridipes* Cameron, 1899: 1 ♀, Da Lat, 12.iv.1994.
- Caliroa glabrifrons* Malaise, 1961: 1 ♀, Nui Lang-Bian, 12. 12. 1994.
- Canonias assamensis* Rohver, 1915: 1 ♂, Vinh Phuc, Thanh Son, Biodiversity Station, 4.iv.-12.v.2000.
- Canonias inopinus rufiventris* Malaise, 1947: 2 ♂♂, Ninh Binh, Cuc Phuong N. P., near centre, c. 225 m, 14.iv.-1.v.2000; 1 ♂, id., but 15-27.v.2000; 12 ♂♂, id., but 1-15.v.2000.
- Denticornia brunneicornis* Malaise, 1944: 1 ♀, Tonkin, Hoang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Eusunoxa formosana* Enslin, 1911: 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 1.xi.-20.xii.2000.
- Eutomostethus tricolor* (Malaise, 1933): 1 ♀, Tonkin, Huang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Flagellaria pendleburyi* (Forsius, 1933): 5 ♂♂, Ninh Binh, Cuc Phuong N. P., c. 225 m, 14.iv.-1.v.2000.
- Hemathlophorus formosanus* (Enslin, 1911): 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 10.ii.-15.iii.2000.
- Heptamelus marginatus* Malaise, 1961: 1 ♀ + 1 ♂, Tonkin, Huang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Iconia versicolor* Malaise, 1944: 1 ♂, Ninh Binh, Cuc Phuong N. P., near entrance, c. 225 m, 14.iv.-1.v.2000.
- Metallus compressicornis* Malaise, 1964: 2 ♀♀, Tonkin, Huang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Neostromboceros caeruleiceps* (Cameron, 1899): 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 1.xi.-20.xii.2000; 1 ♀, id., but 1.xi.-20.xii.1999; 2 ♀♀, id., but 20.xii.-10.ii.2000; 2 ♀♀, id., but 10.ii.-15.iii.2000; 1 ♀, id., but 15.iv.-1.v.2000; 6 ♀♀; Viet Try, Thanh Son, Thuong Cuu, 350-400 m, 11-16.x.1999; 1 ♂, Tonkin, Hoang Lien N. P., Fansi Pan Mt., 2320 m, prim. forest, 24.iv.-2.v.2000.
- Neostromboceros laevis* (Konow, 1898): 1 ♀, Tonkin, Hoang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Neostromboceros nigrocollis* Wei, 1998: 1 ♀, Tonkin, Huang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.

- Neostromboceros tarloki* Saini et al., 1999: 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 29.vi.-18.vii.2000.
- Nepala cochinsinensis* (Malaise, 1957): 1 ♂, S. Vietnam, Dong Nai, Cat Tien N. P., Dong-trail, Mal. traps 13-16, c. 100 m, 1-9.x.2005; 3 ♂♂, id. but *Ficus*-trail, Mal. traps 1-8; 1 ♀ + 4 ♂♂, id., but bird-trail, Mal. traps 9-12.
- Nepala incerta* (Cameron, 1876): 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 25.vi.-18.vii.2000; 1 ♀, id., but 10.ii.-15.iii.2000; 1 ♀, id., but 14.iv.-1.v.2000; 1 ♀, id., but 29.vi.-18.vii.2000; 1 ♀, id., but 1-15.v.2000; 4 ♂♂, Vinh Phuc, Tam Dao N. P., c. 1000 m, 15-19.iv.2001.
- Ocla albiniigripes* Malaise, 1957: 1 ♀, Da Lat, Thac Prenn, 10.xii.1994.
- Oralia fulva* Wei & Nie, 1998: 15 ♂♂, Tonkin, Hoang Lien N. R., W. of Sa Pa, c. 1900 m, 15-21.x.1999.
- Oralia nigroclypeata* Malaise, 1961: 1 ♂, Tonkin, Hoang Lien N. R., 15 km W. of Sa Pa, c. 1900 m, 19-21.x.1999.
- Oralia pallidipes* Malaise, 1961: 3 ♂♂, Tonkin, Hoang Lien N. R., W. of Sa Pa, c. 1500 m, 22-29.x.1999.
- Pachyprotasis subulicornis* Malaise, 1945: 2 ♀♀ + 1 ♂, Tonkin, Hoang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Protemphytus punctatus* (Malaise, 1961) (= *Ocla punctata* Malaise, 1961): 1 ♀ + 1 ♂, Tonkin, Hoang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Pasteelsia carinata* Saini & Vasu, 1995: 2 ♂♂, Tonkin, Huang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Tenthredo frontalis* Malaise, 1945: 1 ♀, Tonkin, Hoang Lien N. R., 15 km W. Sa Pa, c. 1900 m, 15-21.x.1999.
- Tenthredo lagidina* Malaise, 1945: 2 ♀♀, Tonkin, Tay Con Linh, Cao Bo, 1240-1300 m, 8-19.ix.2000.
- Tenthredo pomphilina* Malaise, 1945: 1 ♀, Tonkin, Hoang Lien N. R., 10 km SW. Sa Pa, c. 1550 m, 22-29.x.1999.
- Tenthredo tonkinensis* Mocsáry, 1909: 2 ♀♀, Vinh Phuc, Tam Dao N. P., c. 1000 m, 18-19.iv.2001.
- Trearea compressicornis* Malaise, 1947: 2 ♀♀, Tonkin, Hoang Lien N. P., Fansi Pan Mt., 2320 m, prim. forest, 24.iv.-2.v.2000.
- Xenapatidea tricolor* Malaise, 1957: 1 ♀, Ninh Binh, Cuc Phuong N. P., c. 225 m, 10.ii.-15.iii.2000; 1 ♀, id., but 20.xii.1999-10.i.2000.

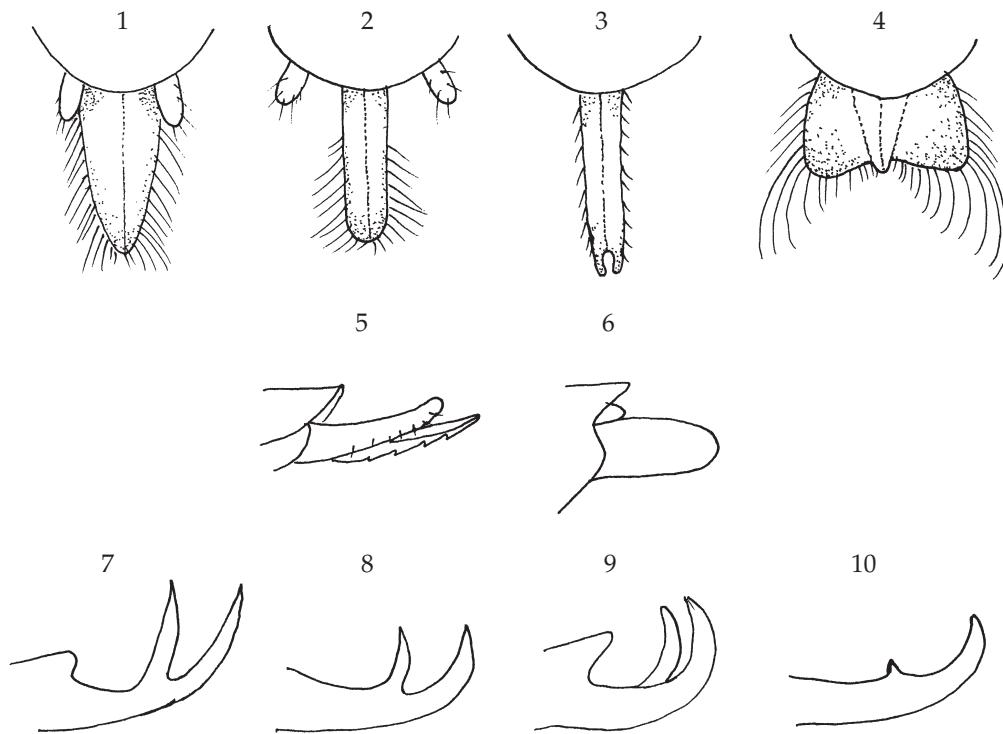
Descriptions

Pristiphora lamdongensis spec. nov.
(figs 4, 10, 11)

Material.— Holotype, ♀ (RMNH): "S. Vietnam, Lam Dong, Bidoup Nuiba N. P. nr. Da Lat, Mal traps 1-12, 1650-1700 m, 11-19.x.2005, C. v. Achterberg & R. de Vries, RMNH 05". Paratype, ♂, (RMNH): id., but Mal traps 19-23, 1680-1700 m and 12-19.x.2005.

Female.— Body dark blackish brown. White: tegula, cenchri, mandibular palp, middle and hind trochanters ventrally, fore and middle tibiae and tarsi, ventral half of fore femur and basal third of hind tibia. Wings hyaline, pterostigma and venation dark blackish brown (fig. 11). Ratio of segments of maxillary palp: 4:7:14:13:17:15. Length of maxillary palp:longest diameter of eye = 7:3. OOL:POL:OCL = 10:11:7. Ratio of antennal segments: 7:4:34:37:38:33:30:27:27. Length of costa:part of costa from costal base till the joining point of the basal vein = 82:50. Meeting point of the basal vein on costa positioned nearly in the middle of costa. Length of antenna:length of body = 1.0:1.0. Ratio of hind tarsal segments: 32:12:7:4:10. Length of inner hind tibial spur:length of hind basitarsus = 3:8. Length of outer hind tibial spur:length of inner hind tibial spur:apical width of hind tibia = 9:11:9.

Head smooth and shiny. Antenna long, cylindrical and elongated. Clypeus truncate. Gena linear. Frontal crest in lateral view only slightly developed and slightly but



Figs 1, 9, *Athlophorus vietnamensis* spec. nov., ♀, holotype; figs 2, 6, 8, *Ferna lamdongensis* spec. nov., ♀, holotype; figs 3, 5, *Heptamelus devriesi* spec. nov., ♀, holotype; figs 4, 10, *Pristiphora lamdongensis* spec. nov., ♀, holotype. 1-4, sawsheath, dorsal aspect; 5-6, sawsheath, lateral aspect; 7-10, tarsal claw.

clearly produced between antennal sockets. Inner orbits only slightly depressed outside antennal sockets. Frontal area unmarked and not raised. Postoccipital furrows deep and short, not reaching hind margin of head. Hind margin of head smooth. Inner margins of eyes parallel. Head contracted behind eyes. Maxillary palpi very long. Longest diameter of eye:length of palpus mandibularis = 15:34. Pronotum very finely granulate, shiny. Mesonotal lobes, mesoscutellum, mesoscutellar appendage and posts-cutellum smooth and shiny. Mesopleuron with very fine and shallow undefined surface sculpture, moderately shiny. First abdominal segment smooth and shiny, other segments with very fine undefined surface sculpture, shiny. Body elongate. Wings with undivided radial cell (as in all Nematini). Fore wing with 3 cubital cells. First cubital cross vein missing. First cubital cell with a small rounded brown spot medially. Anal vein of fore wing straight and short. Both recurrent veins of fore wing meet elongated first cubital cell. Stigma unicolorous. Costa hardly widened at apex. Intercostal cross-vein missing. Anal cell of hind wing with long petiole. Nervellus meet petiole in about 75 degrees. Anal vein of fore wing straight. Basal and first recurrent veins convergent. Hind wing with two closed middle cells. Claw without basal lobe but with a

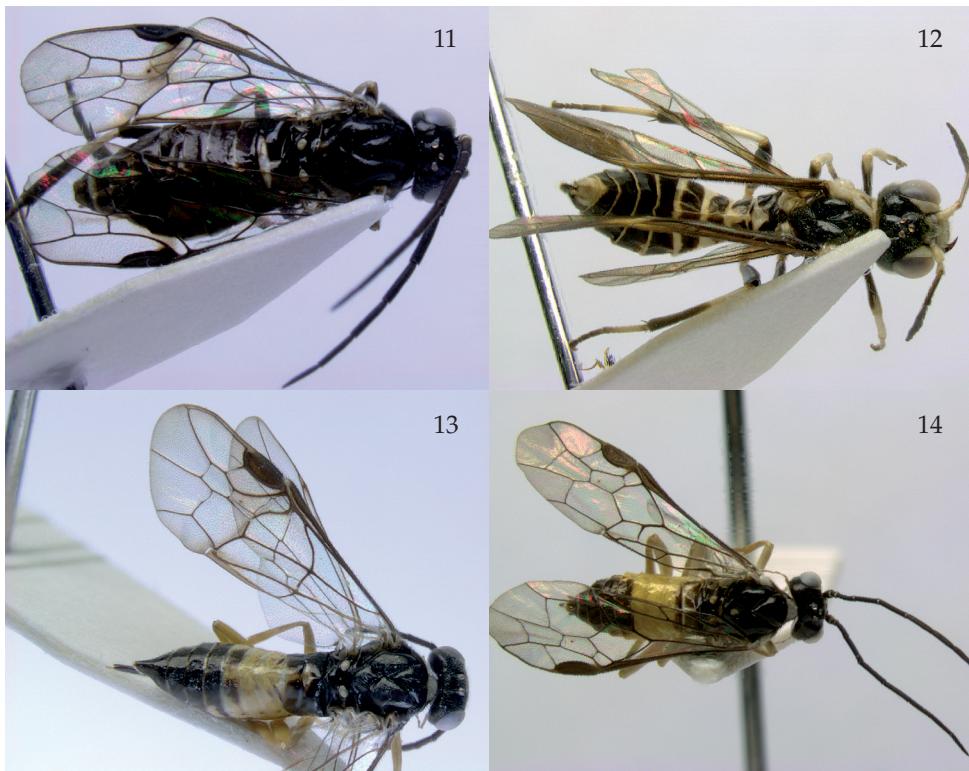


Fig. 11, *Pristiphora lamdongensis* spec. nov., ♀, holotype; fig. 12, *Athlophorus vietnamensis* spec. nov., ♀, holotype; fig. 13, *Heptamelus devriesi* spec. nov., ♀, holotype; fig. 14, *Ferna lamdongensis* spec. nov., ♀, holotype. 11-14, habitus, dorsal aspect.

very minute inner tooth removed from apical tooth (fig. 10). Sawsheath short and apically emarginate (fig. 4). Length: 8.2 mm, length of fore wing: 8.1 mm.

Male.— Length: 6.0 mm, length of fore wing: 5.5 mm. Length of antenna:length of body = 0.85:1.0. Antenna shorter than body. Last tergite smooth and without apical projection. Otherwise, like female.

Notes.— The new species has an unique position in the genus *Pristiphora* [Latreille, 1810]. The extremely elongated maxillary palp is a special feature together with the brown rounded spot in the first cubital cell (fig. 11). The subequal length of the hind tibial spurs (9:11) is typical for *Amauronematus* Konow, 1890, however, *Amauronematus* species have a well-developed subapical teeth on the claws. The small inner tooth of claw combined with the normal (i.e. not widened) costa is typical for the genus *Pachynematus* Konow, 1890, but the subequal tibial spurs and the extremely long maxillary palp clearly separate the new species from those of *Pachynematus*. In the key by Haris (Haris, 2006b) the new species would run to *P. oligalucina* Wei, 2002. However, the new species is clearly differentiated from *P. oligalucina* Wei, 2002, by its larger size, the dark spot on fore wing, the hardly emarginated sawsheath and the dark blackish brown tegula.

Athlophorus vietnamensis spec. nov.
(figs 1, 9, 12)

Material.— Holotype, ♀ (RMNH): “S. Vietnam, Dong Nai, Cat Tien N. P., bird-trail, Mal. traps 9-12, c. 100 m, 1-9.x.2005, C. v. Achterberg & R. de Vries. RMNH 05” Paratypes: 9 ♂♂, (IEBR, RMNH): topotypic.

Female.— Body black with rich white coloration. Head black, scape, pedicel and longitudinal line on third antennal segment white. Pedicel with small apical brown spot. Labrum, clypeus and wide inner margin of eyes white. Thorax black, most of pronotum, tegula, large elongated spot on mesopleuron and cenchri white. Pronotum with 2 brown small longitudinal spot. Propleuron with two black triangular spots medially. Legs dominantly black; outer side of middle and hind coxae, small spot on anterior coxa, second joint of first trochanter, all joints of middle and hind trochanters, fore tibia entirely, middle tibia except its black apical ring, basal third of hind tibia above and basal half of hind tibia below, most of basitarsi (except their infuscate apices) white. First-fourth sternites white, fourth abdominal sternite with 2 apical brown stripes. First tergite black with a large medial triangular white spot and laterally with white pterostigma, second tergite white and with a pair of large elongate black spots on each side, third tergite black with wide white hind margin and a narrow longitudinal line in middle, fourth tergite black with wide white hind margin, fifth-eighth tergites black with narrow white hind margin, ninth tergite white (fig. 12). Wings hyaline. Upper half of cubital cells and radial cells entirely dark brown infuscate. Venation brown, pterostigma yellow. Clypeus widely, roundly and deeply emarginate. Depth of clypeal emargination:median length of clypeus = 5:12. OOL:POL:OCL = 13:6:18. Head behind the eyes moderately contracted. Inner margin of eyes slightly contracted. Ratio of antennal segments: 13:9:26:23:19:12:10:9:8. Postoccipital furrows divergent, not reaching hind margin of head. Head densely punctured around ocelli but hardly punctured on temples and vertex. Temples and vertex shiny, ocellar area matt. Mesonotal lobes only with sporadic punctures, moderately shiny. Mesoscutellum uniformly, densely punctured with moderately deep and moderately large punctures, moderately shiny. Mesopleuron moderately shiny, densely punctured with large more or less confluent punctures. First abdominal tergite with very fine striped surface sculpture, other tergites with fine undefined surface sculpture, moderately shiny. Claw as in fig. 9. Sawsheath as in fig. 1.

Male.— Length: 6.8–7.6 mm. Length of fore wing: 6.8–7.0 mm. Otherwise agreeing with female.

Notes.— The new species runs to *Athlophorus jacobsoni* Enslin, 1912, from Sumatra and Java (Malaise, 1947). However, *A. jacobsoni* has the inner tooth of the claws much shorter than the apical tooth, the vertex as long as wide, the pedicel black, the mesoscutellum and postscutellum light yellow and the fourth tergite yellow. No other recently described *Athlophorus* species (of the approximately 13 additional species) is related to the new species.

The new species has the inner and apical teeth of claws subequal, the vertex is much longer than wide, the pedicel white, the mesoscutellum, postscutellum and the fourth abdominal tergite black (except for the white hind margin of the fourth tergite). According to the genus definition of Zombori, 1982, the new species could not be included in the genus *Allantus* Panzer, 1801, since it has head behind the eyes clearly contracted.

Heptamelus devriesi spec. nov.
(Figs. 3, 5, 7, 13)

Material.— Holotype, ♀ (RMNH): “S. Vietnam, Lam Dong, Bidoup Nuiba N. P. nr. Da Lat, Mal traps 19-23, 1680-1700 m, 12-19.x.2005, C. v. Achterberg & R. de Vries, RMNH 05”.

Female.— Body black. Yellowish white: entire legs, triangular projection of second-fourth tergites (except one big brown lateral patch on each side), lateral spots on eighth-ninth tergites and all sternites. Brownish white: labrum and a large spot on scape (fig. 13). Sawsheath black. OOL:POL:OCL=8:5:8. Ratio of antennal segments: 9:9:23:21:14:15:21. Antenna with 7 joints. Clypeus slightly and roundly emarginate. Clypeal emargination about 0.25 times as deep as clypeal median length. Postoccipital furrow long and divergent, nearly reaching hind margin of head. Head smooth and shiny, with only few small punctures. Head behind eyes strongly contracted. Inner margin of eyes hardly convergent. Gena linear. Mesonotal lobes moderately dense with minute punctures, moderately shiny. Pronotum densely, moderately roughly punctured, matt. Mesoscutellum smooth with few very sporadic punctures, moderately shiny. Mesopleuron, postscutellum, mesoscutellar appendage and abdominal tergites smooth and shiny. Pterostigma and venation brown. Pterostigma widened. First cubital cross-vein missing, with three cubital cells. Fore wing with cross vein of the anal cell, nervulus and basalis interstitial. Hind wing with two closed middle cells. Anallan cell sessile. Nervellus meets petiole of anal cell perpendicularly. First recurrent vein meets the first cubital cell, second recurrent vein meets the second cubital cell. Sawsheath long (figs 3, 5). Cerci extremely small and covered by last abdominal tergite. Length of sawsheath: length of hind tibia = 7:5. Claw as in fig. 7.

Male.— Unknown.

Notes.— The new species runs to *Heptamelus ruficinctus* Malaise, 1961, in Malaise's key (Malaise, 1961). However, *H. ruficinctus* has a dominantly reddish yellow abdomen. The new species has the abdomen black with yellowish white spots as indicated above. The clypeus in *H. ruficinctus* is angularly incised, but roundly emarginate in the new species. No other recently described *Heptamelus* species (of approximately 16 additional species) is related to the new species. The white triangular projection of the abdominal tergites separate the new species from all other species described in the genus (Wei & Nie, 1997).

Ferna lamdongensis spec. nov.
(figs. 2, 6, 8, 14)

Material.— Holotype, ♀ (RMNH): “S. Vietnam, Lam Dong, Bidoup Nuiba N. P., nr. Da Lat, Mal traps 1-12, 1650-1700 m, 11-19.x.2005, C. v. Achterberg & R. de Vries, RMNH 05”.

Female.— Body black. White: labrum, clypeus (except narrow upper black margin), mandible, palpi gena, inner orbit, rectangular spot between antennal sockets, tegula, small spot on mesoscutellum, horizontal band of mesopleuron (frontally wide and suddenly narrowed behind as in fig. 14), legs (but tarsi and tibial apices brown infuscate), second-fourth abdominal tergites (except narrow black fore margin of second tergite), a

small middle spot on fifth tergite, lateral parts of fifth-sixth tergites, sternites (except black fore margin of last sternite) and ventral parts of sawsheath. Wings hyaline, pterostigma and venation dark brown. Fore wing with four cubital cells. Basalis and first recurrent vein parallel. Crossvein of anal cell of fore wing strongly oblique, approx. 45°. Hind wing with open cubital cell. Middle cell of hind wing closed. Anal cell of hind wing with short petiole. Nervellus perpendicular to petiole. OOL:POL:OCL = 17:7:9. Ratio of antennal segments = 11:7:39:44:36:34:27:29:26. Length of inner hind tibial spur: length of hind basitarsus = 6:19. Length of inner hind tibial spur:length of apical width of hind tibia = 6:7. Antenna long, cylindrical and slender, about as long as total length of body. Whole body smooth and shiny. Head strongly narrowed behind eyes. Inner margins of eyes subparallel. Hind margin of head smooth. Postoccipital furrows short, pit-like. Clypeus emarginate only medially. Clypeal emargination about one third as deep as clypeal median length. Sawsheath as in fig. 2 and 6. Claw as in fig. 8. Length: 5.7 mm, length of fore wing: 6.1 mm.

Male.— Unknown.

Notes.— The new species is close to *Ferna cinguliventris* Saini & Vasu, 1997. However, *F. cinguliventris* has a narrow hind orbit, the pronotal margin, the lower half of the metapleuron, and the tibial apices white and fifth and sixth tergites black. OOL:POL:OCL = 3:2:2 . Clypeus is deeply emarginate, the emargination about half as deep as the clypeal median length. Mesonotum with dense, irregular punctures, shiny. The new species has the hind orbits, the pronotal margins and the lower half of the metapleuron black. Fifth tergite with a white middle spot and lateral parts of fifth and sixth tergites white. Tibial apices are brown. OOL:POL:OCL = 17:7:9. Clypeus shallowly emarginate. Clypeal emargination is about one third as deep as the clypeal median length. Mesonotum is smooth and shiny.

Notes on other species

Monophadnus funebris Konow, 1898

Monophadnus funebris Konow, 1898, was transferred to the genus *Waldheimia* Brullé, 1846 by Oehlke & Wudowenz (1984). Examination of the type showed that the claws have no basal lobe and, therefore, it cannot be included in the genus *Waldheimia*. Considering the generic characters given below, we have to re-establish the original combination for this species.

Material.— Lectotype, ♀ (RMNH): “N. Borneo”. (No further data available)

Female.— Entirely black including mouthparts, legs and antenna. Cenchrion brownish yellow. Fore and hind wings uniformly dark infuscate. Costa, subcosta, pterostigma and venation black. Ratio of antennal segments: 10:9:37:35:29: 15:11:10:11. Antenna as long as head and thorax combined, including propodeum (first abdominal segment). Antenna with dense black setae. Head not punctured, bluntly shiny. Clypeus subtruncate. Inner margins of eyes hardly convergent, subparallel. Lateral furrows of vertex deep. Frontal area sunken. Lateral supra-antennal pits about as large as front ocellus and deep. Head behind without postoccipital carina. Head narrower than distance between tegulae. Mesonotal lobes moderately densely and superficially punctured, shiny. Mesoscutellum flat. Mesoscutellum, mesoscutellar appendage and post-

scutellum hardly punctured, moderately shiny. Abdominal tergites smooth and shiny without micro-striation. Setae of sawsheath dark brown (black in fresh specimens ?). Claws without basal lobe. Subapical tooth of claws close to apical tooth, a little longer but definitely wider than the apical tooth. Fore wing with four cubital cells. Last cubital crossvein bent. First recurrent vein meets second recurrent vein and second recurrent vein meets first part of the third cubital cell. Anal vein (basal stub) of fore wing hardly visible, straight and short. Hind wing with open cubital and closed discoidal cell. Prepectus absent. Gena linear, about half as wide as diameter of front ocellus. Body: 11.0 mm.

Male.—Unknown.

Appendix

Corrections to the first paper (Haris, 2006a):

Pages 294, 304 and 333:

Change: *Nostromboceros conegei* (Konow, 1901)
 to: *Neostromboceros congener* (Konow, 1901)

Page 300:

Change: *Phymatoceroidea* Rohwer, 1916,
 to: *Phymatoceridae* Rohwer, 1916.

Page 300:

Change: *Euthomostethus* Enslin, 1913
 to: *Eutomostethus* Enslin, 1913

Page 302:

Change:	- Postocellar area subquadrate or wider than long. Differently coloured with legs never dark yellow, mostly white and black	7
	7. Anterior margin of clypeus truncate or subtruncate	8
to:	- Postocellar area subquadrate or wider than long	7
	7. Anterior margin of clypeus truncate or subtruncate. Differently coloured with legs never dark yellow, mostly white and black	8

Page 316:

Change:	1. Body with intensive bluish or purplish metallic lustre, nearly or entirely unicoloured. Abdomen without whitish band	2
	- Body without bluish or purplish metallic lustre, shiny black or blackish brown, more or less with a white or yellowish white pattern	3
to:	1. Body shiny black or blackish brown, without bluish or purplish metallic lustre and more or less with a white or yellowish white pattern ...	2
	- Body with intensive bluish or purplish metallic lustre, entirely unicoloured or nearly so, abdomen without a white or whitish band ...	3

Page 317:

Change: *Waldheimia funebris* (Konow, 1898)
 to: *Monophadnus funebris* Konow, 1898. Remark: *Waldheimia* Brullé, 1846, is a strictly Neotropical genus. It does not occur in the Old World. See also notes above.

Page 352:

Change: Enderlein, G., 1919. Symphytologica I. Zur Kenntnis der Oryssiden und Tenthrediniden.— Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 9: 111-127.
 to: Enderlein, G., 1920 (1919). Symphytologica I. Zur Kenntnis der Oryssiden und Tenthrediniden.— Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 9: 111-127.
 Note.— Dr Thomas Huflejt called to my attention, that this paper was published in 1920, although the imprint date is 1919.

Page 365:

Change: fig. 106, typical fore wing of Tenthredininae (after Zombori, 1990).
 to: fig. 106, typical fore wing of Blennocampinae (after Zombori, 1990).

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