

Nomenclatural notes on some Ctenopelmatinae from Dutch and Hungarian museums (Hymenoptera: Ichneumonidae)

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Eight new synonyms and six new combinations are established in the genera *Mesoleius*, *Campodorus*, *Otlophorus*, *Hypamblys*, *Phobetis*, *Synodites* and *Saotis*. A preliminary key to some European species of *Phobetis* is given.

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During visit to the Netherlands in 2003, the author was able to examine type specimens of *Mesoleius* and some other Ctenopelmatinae described by C.G. Teunissen and deposited at the Nationaal Natuurhistorisch Museum, Leiden (Mus. Leiden), in Laboratorium voor Entomologie and Phytopathological Institute, Wageningen (Mus. Wageningen), and Natuurhistorisch Museum, Rotterdam (Mus. Rotterdam). Type specimens of two species of *Saotis* were kindly sent from Hungarian Natural History Museum, Budapest, Hungary (Mus. Budapest). A key to the Palaearctic species of *Mesoleius* s. str. has been recently published by the author (Kasparyan, 2000, 2001).

The following abbreviations are used: *i. fl* – index flagellaris, ratio of length of 1st and 2nd flagellar segments combined to maximum diameter of eye; *i. gen* – index genalis, ratio of minimum length of malar space to basal width of mandible; *i. ar. ap* – index area apicalis, ratio of minimum length of apical area to entire length of propodeum measured along the dorsal line; *i. terg* – index tergalis, ratio of tergite length (usually of tergite 1) to its maximum width; *i. nrv* – index nervellaris, ratio of length of lower (posterior) section of hind-wing nervellus to its entire length; *i. fem* – index femoralis, length to width ratio for hind femur (in lateral view); *i. tars* – length ratio for segments 1-5 of hind tarsus.

Campodorus abietinus (Teunissen, 1945: 211, ♀, ♂), **comb. n.** [*Mesoleius*; syntypes (“cotypes”) (Mus. Leiden): 2 ♀, 5 ♂ (“26-6-43, Herpen H.T.”)]. *Remarks.* Fore wing 6.3 mm long; flagellum 33-segmented; *i. fl* 1.05; *i. gen* 0.42; *i. ar. ap* 0.4 (areola broadened posteriorly); *i. terg* 1.2; *i. fem* 4.7; *i. tars* 7 : 3.7 : 2.8 : 1.8 : 2.0 (5th segment 1.1 times as long as segment 4); *i. nrv* 0.3. Mesopleurum granulate; its lower half and front margin with distinct, fine punctures. Antenna reddish brown, dorsally and apically blackish. Coloration more or less as in *C. alticola* (Holmgren): body black; clypeus, mandible (except for teeth and basal spot), hind corners of pronotum, and tegulae yellow; legs reddish, hind tibia white with blackish brown at base (0.15) and at apex (0.45); sternites blackish with white apical band on sternites 2-5.

Campodorus aglaia (Teunissen, 1953: 44, ♀, ♂), **comb. n.** (*Mesoleius*; “Holotype: ♀, Valkenburg, VI.1918 dans la collection Lindemans”; Mus. Rotterdam). *Remarks.* *C. aglaia* is closely related to *C. maculicollis* Stephens (= *C. vigens* Holmgr.), but differs in the blackish pterostigma. In the type, fore wing 5.3 mm; flagellum 30-segmented; *i. fl* 1.2; *i. gen* 0.46; *i. ar. ap* 0.33 (areola rather narrow; apical area semicircular); *i. terg* 1.32; nervulus postfurcal; *i. nrv* 0.2; *i. tars* 5.5 : 3 : 2.1 : 1.2 : 1.7;

ovipositor sheath rather long, narrow, covered with short hairs on all lower margin and at apical 0.3 of upper margin. Mesopleurum and metapleurum with fine granulation, without distinct punctures; mesopleurum in upper 0.3 almost smooth. Body black; antenna brownish, flagellum reddish brown ventrally. Clypeus, mandible, palpi, hind corners of pronotum, tegulae, two large anterolateral spots on mesoscutum, two last sternites, all yellow; apex of mesepimeron, scutellum dorsally to apex, narrow posterior band of tergites 4-7, all reddish (on tergites 4-5, reddish band interrupted before epipleurum). Legs pale reddish; hind tibia dorsally and anteriorly brownish rufous with fuscous apex (0.38), posteriorly and ventrally light yellow; spurs whitish; hind tarsus brownish with segment 1 in basal 0.2 pale ventrally. Pterostigma blackish.

Campodorus euphrosine (Teunissen, 1953: 45), **comb. n.** (*Mesoleius*; “Holotype: ♀, Meyendel, 12.X.1928, leg. Geyskes, dans la collection Lindemans”; Mus. Rotterdam) = *Mesoleius annulifer* Kasparyan, 2000, **syn. n.** *Remarks.* The species can easily be distinguished by the coloration of the hind tibia, which is blackish with white basal spot or band (an autapomorphy, see also Shaw & Kasparyan, 2003) and white (or pale) median band. In the holotype, the pterostigma is pale (brownish yellow), not dark brown as stated in the original description.

Campodorus formosus (Gravenhorst, 1829, *Tryphon*) = *Saotis apathyi* Kiss, 1924: 126 (Holotype: ♀, “14.V.1922, Probsdorf”; Mus. Budapest), **syn. n.**

Campodorus rubens (Teunissen), **stat. et comb. n.** (*Mesoleius elegans* var. *rubens* Teunissen, 1953: 43, holotype: “une femelle, Bergen op Zoom, dans la collection Lindemans”; Mus. Rotterdam) [The type of *Campodorus elegans* (Parfitt, 1882, *Mesoleius*) has been examined, Castle Museum, Norwich, England].

Campodorus semipunctus (Teunissen, 1945: 208), **comb. n.** (*Mesoleius*; “1 ♀, Holotypus, Breda, Mai 1899, leg. Smits van Burgst”; Mus. Wageningen).

Campodorus variegatus (Jurine, 1807, *Anomalon*) = *Mesoleius variegatus* var. *infuscatus* Teunissen, 1953: 43 (holotype: “une femelle, Rotterdam, leg. J. Lindemans”; Mus. Rotterdam), **syn. n.**

Hypamblys romani Habermehl, 1925 = *Ipoctoninus inversus* Teunissen, 1953: 23 (Holotype: ♀, “Maastricht, St. Pietr, 11.VI.1942”; Mus. Leiden), **syn. n.** [? = *Hypamblys slaviceki* Gregor, 1935].

Mesoleius armillatorius (Gravenhorst, 1829, *Tryphon*) = *Mesoleius gracilipes* var. *alboscutum* Teunissen, 1953: 43 (Holotype: ♀, “Burgst, V.1914, leg. Smits van Burgst”; Mus. Wageningen), **syn. n.**

Mesoleius lindemansi Teunissen, 1953: 44 (“L’holotype se trouve dans Lindeman’s Collection”, no data on type locality; Mus. Rotterdam); the type is in very bad condition (abdomen, wings and most part of antennae lost); perhaps a junior synonym of this species is *Mesoleius antennator* Kasparyan, 2000 (**syn. n.?**).

Mesoleius urbanus Teunissen, 1945: 207 (“1 ♀, Holotypus, ‘s-Gravenhage, Juli 1910”; Mus. Wageningen) = *Mesoleius ribesii* R. Bauer, 1961, **syn. n. Remarks.** The type of *M. urbanus* differs from the examined topotypical material of *M. ribesii* (collection of R. Hinz, Munich: ex *Pteronidea ribesii*, no 2042, Nürnberg, R. Bauer det.) only in the shorter malar space; *i. gen.* 0.33 in the type of *M. urbanus* and 0.45 in *M. ribesii*.

Otophorus smitsvanburgsti (Teunissen, 1945: 237, *Mesoleius*; nom. n. pro *Mesoleius (Barytarbes) affinis* Sm. v. Burgst, 1913; holotypus: ♂), **comb. n. Remarks.** Fore wing 4.5 mm, areolet present; flagellum 26-segmented. Clypeus flat with sharp lower margin, almost not separated from face by groove. Face and thorax evenly and densely punctured. Areas of propodeum obliterated, but apical area discernible; punctures of propodeum indistinct. Tergites with dense hairs; hind margins of punctures not sharp. Body black. Flagellum rufous. Face black with yellow orbital spots above malar space. Hind corners of pronotum, tegulae, scutellum dorsally (except for basal 0.25) and postscutellum yellow. Coxae black; trochanters I brownish; hind femur red with apical 0.2 infuscate; hind tibia white with apical 0.4 blackish brown; hind tarsus blackish brown, segments 1-4 pale at extreme base.

Phobetres cerinostomus Gravenhorst, 1829 = *Phobetrellus leptocerus* var. *basalis* Teunissen, 1953: 23 (Holotype: “1 ♂, Meyendel, 31.V. (leg. Geyskes)”; Mus. Rotterdam), **syn. n.**

Phobetres nigriventris (Teunissen, 1953: 24) (*Ipoctonus*; “Holotype ♀, Schiedam, VIII.1926, leg. J. Lindemans”; Mus. Rotterdam). **Remark.** *Ph. nigriventris* is closely related to *Ph. leptocerus* and maybe is a small and dark form of the last species.

Saotis varicoxa (Thomson, 1893, *Saotus*) = *Zootrephes compressus* (Szépligeti, 1898: 76) (Holotypus: ♀, “1897.VI.12”; Mus. Budapest), **syn. n.** = ? *Saotis flavopunctata* Pfankuch, 1906: 218 [Typus: ♀, var. 1 of *Tryphon bilineatus* Gravenhorst, 1829: 180 (“feminam unam cepi vere cerca Scheidnich”); Mus. Wroclaw, lost], **syn. n.?**

Synodites salicis (Teunissen, 1953: 26, ♀, ♂) (*Hypamblys*; Holotypus: ♀, “21.VI.1937, Voor Burg, H.T.”; Mus. Leiden), **comb. n.**

Preliminary key to some European species of *Phobetres*

- Hind tibia uniformly rufous. Tegite 1 usually completely reddish (sometimes partly darkened in *Ph. rufipes*) 2
 - Hind tibia fuscous at apex. Tergite 1 partly fuscous or (in *Ph. leptocerus*) entirely reddish 6
- Mesosoma red 3
 - Mesosoma black. Antenna with 26-36 flagellar segments 4
- Antenna with 38-43 flagellar segments. Fore wing 9-12 mm long **Ph. nigriceps** Grav.
 - Antenna with about 28 flagellar segments. Fore wing about 5 mm long **Ph. meridionellator** Aubert
- Propodeum without distinct dorsal longitudinal carinae. – Abdomen darkened at apex. Flagellum shorter than in *Ph. atomator*, with 29(♂)-31(♀) segments **Ph. chrysostomus** Grav.
 - Propodeum with distinct dorsal longitudinal carinae 5
- Flagellum 33-36-segmented. Abdomen (and legs) uniformly reddish-pale rufous **Ph. atomator** Muell.

- Flagellum 26-29-segmented. Abdomen fuscous at apex [on tergites (5)6-7] **Ph. rufipes** Thoms.
- Mesosoma red (if sometimes black, abdomen also black). Temples not narrowed beyond eyes. Malar space very short. Flagellum at least with 37 segments **Ph. nigriceps** Grav.
 - Mesosoma black. Abdomen predominantly red, fuscous apically. Other characters partly not as above 7
 - Tergite 1 entirely red. Flagellum with 35-40 segments. Hind femur red, usually blackish at apex. Fore wing 5.5-8 mm **Ph. leptocerus** Grav.
 - Tergite 1 black, usually reddish apically 8
 - Abdomen black (base of tergite 3 reddish). In the type, flagellum 35-segmented, fore wing 6.7 mm long. Hind femur red, blackish at apex. Fore and middle coxae and trochanters yellow; hind tibia whitish yellow with blackish apical 0.3. Metapleurum polished, with fine, sparse punctures; *i. nrv* 0.43 **Ph. nigriventris** Teuniss.
 - Abdomen red. – Flagellum with no more than 34 segments 9
 - Hind coxa and hind femur red. – *i. nrv* 0.15-0.35; in male, the basal 0.6 of tergite 2 usually black **Ph. cerinostomus** Grav.
 - Hind coxa and hind femur black **Ph. femorator** Thoms.

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References

- Bauer, R.** 1961. Ichneumoniden aus Franken, Teil II (Hymenoptera, Ichneumonidae). *Beitr. Entomol.*, **11**(7/8): 732-792.
- Kasparyan, D.R.** 2000. Palaearctic ichneumon wasps of the genus *Mesoleius* Holmgren (s. str.) (Hymenoptera, Ichneumonidae). *Entomol. Obozr.*, **79**(1): 150-179.
- Kasparyan, D.R.** 2001. Palaearctic ichneumon wasps of the genus *Mesoleius* Holmgren (s. str.) (Hymenoptera, Ichneumonidae). *Entomol. Obozr.*, **80**(3): 706-733.
- Kiss von Zilah, A.** 1924. Beitrag zur Kenntnis der ungarischen und siebenbürgischen Ichneumoniden- (Schlupfwespen-) Fauna. *Verh. Mitteil. Siebenb. Ver. Naturw. Hermannstadt*, **72/74**: 32-146.
- Shaw, M.R. & Kasparyan, D.R.** 2003. Some genera of British and European Mesoleiini (Hym., Ichneumonidae: Ctenopelmatinae) in the National Museum of Scotland, including a new species of *Mesoleius* and further twenty species, new to Britain. *Entomol. mon. Mag.*, **139**: 17-28.
- Szépligeti, G.** Adatok a magyarországi *Bassus*-felek ismeretéhez. *Rovartani Lapok*, **5**: 75-78. **Teunissen, H.G.M.** 1945. Ueber die Gattung *Mesoleius* (Hymenoptera Ichneumonidae). *Zool. Mededeel.*, **25**: 200-238.
- Teunissen, H.G.M.** 1953. Anciens et nouveaux Tryphonides (Ichneumonides, Hymenoptères). *Tijdschr. Entomol.*, **96**(1-2): 13-49.
- Townes, H.K.** 1970. The genera of Ichneumonidae, Part 3. *Mem. Amer. entomol. Inst.*, **13** (1969). 307 p.
- Yu, D. & Horstmann, K.** 1997. A catalogue of World Ichneumonidae (Hymenoptera). *Mem. Amer. Entomol. Inst.*, **58**, pt 1: 1-763 & pt 2: 764-1558.

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