

Additions to the revision of the genus *Atractodes* (Hymenoptera, Ichneumonidae) of the western Palaearctic Region. II.

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The nomenclature of the following species has been clarified and corrected: *Atractodes mediatu*s Förster has been corrected to a junior synonym of *A. albovinctus* Haliday, *Atractodes brevicornis* Bauer of *A. gravidus* Gravenhorst, *Atractodes vestalis* Haliday and *A. discoloripes* Förster of *Stilpnus tenebricosus* (Gravenhorst), *Atractodes försteri* Dalla Torre of *A. obsoleto*r (Zetterstedt), *Atractodes incesso*r Haliday of *Mesoleptus laevigatus* (Gravenhorst), *Atractodes neophytus* Förster of *A. obsoleto*r (Zetterstedt), *Atractodes pygmaeato*r Zetterstedt of *A. bicolor* Gravenhorst, *Atractodes quanjeri* Smits van Burgst of *A. alutaceus* Thomson, *Atractodes sarntheinii* Dalla Torre of *A. vicinus* Förster and *Atractodes varicornis* Holmgren of *Oxytorus luridator* (Gravenhorst). *Atractodes rufipes* Thomson, *A. rufipes* Förster and *A. thomsoni* Jussila are junior primary homonyms, and *A. cultrarius* Förster, *A. designatus* Förster, *A. intersectus* Förster, *A. rufipes* Förster and *A. rufipes* Thomson are junior secondary homonyms. *Atractodes intersectus* Boyer de Fonscolombe, *A. mesozonius* (Gravenhorst), *A. quadrispinus* Ratzeburg, *A. riparius* Ruschka, *A. spiniger* Snellen van Vollenhoven and *A. teneriventris* (Gravenhorst, 1829) are regarded as *nomina dubia*. *Atractodes nigripennis* Hellén has been added to the fauna of the western Palaearctic Region.

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This paper is the second addition to my revision of the genus *Atractodes* Gravenhorst, 1829 of the western Palaearctic Region (Jussila 1979). After the first addition (Jussila 1983) I have been able to go more carefully into the taxonomy and nomenclature of this difficult genus.

The material for this study was obtained from the collections of the Department of Entomology, University of Lund (EL), Deutsches Entomologisches Institut, Eberswalde-Finow (DEI), Landbouwwissenschaften, Wageningen (LW), Muséum national d'histoire naturelle in Paris (MP), National Museum of Ireland, Dublin (ND), Naturhistorisches

Museum Wien (NW), Naturhistoriska Riksmuseet, Stockholm (NR), Zoological Museum, University of Helsinki (ZH), Zoologische Sammlung der bayerischen Staates, Munich (ZM), and Museum Zoologiczne Uniwersytetu Wrocławskiego, Wrocław (ZW).

Atractodes albovinctus Haliday, 1838

Atractodes albovinctus Haliday, 1838: 118, ♂♀; syntypes ♂♀ lost.

*Atractodes mediatu*s Förster, 1876: 13, ♀; holotype ♀: Germany, Lousberg (ZM).

Fitton (1976) assumed *Atractodes albovinctus* to be a *nomen dubium*. However, this is clearly a mistake because so many literary facts have been published about this species under the name *albovinctus* (e.g. Schmiedeknecht 1906, Morley 1913 and Roman 1918). We need no designation of a neotype since no confusion exists regarding the application of this name. Roman (1918) synonymized *mediatus* with *albovinctus*.

Atractodes alutaceus Thomson, 1884

Atractodes alutaceus Thomson, 1884: 1056, ♂♀; lectotype ♀: Sweden, Lund, R.Jussila designated 1979 (EL).

Atractodes Quanjeri Smits van Burgst, 1913: 365, ♀; holotype ♀: the Netherlands, Burgst near Breda (LW); syn.n.

The type specimen of *Atractodes quanjeri* which I have seen was previously examined by Roman, who came to the same conclusion as myself. He did not publish the results but wrote to Landbouwniversiteit about the matter (letter 16 March 1937).

Atractodes angustipennis Förster, 1876

Atractodes angustipennis Förster, 1876: 116, ♀; lectotype ♀: Belgium, Eupen, R.Jussila designated 1979 (ZM).

Atractodes adversarius Förster, 1876: 142; ♂; lectotype ♂: Germany, Aachen (ZM), hereby designated. Förster's other type specimens belong to *A. assimilis* Förster, 1876 (Jussila 1979). In Jussila 1979: 43 (Index) the name *adversarius* is in an incorrect form "*adversorius*" (a *lapsus*).

Atractodes flavicoxa Thomson, 1884: 1024, ♂♀; lectotype ♀: Sweden, Lund, R.Jussila designated 1979 (NR).

Atractodes thomsonii Dalla Torre, 1902: 725, a new name for *A. flavicoxa* Thomson.

For more synonyms and details, see Jussila 1979.

Atractodes bicolor Gravenhorst, 1829

Atractodes bicolor Gravenhorst, 1829b: 791, ♀; lectotype ♀: Poland, Warmbrunn, R.Jussila designated 1979 (ZW).

Ichneumon (Stilpnus) pygmaeator Zetterstedt 1838: 362, ♂; holotype ♂: Sweden, Juckasjoki (EL), syn. n.

Atractodes cultrarius Förster, 1876: 107, ♀; holotype ♀: Germany, Aachen (ZM); a junior secondary homonym of *Asyncrita cultraria* Förster [see *Atractodes designatus* (Förster)].

The abdomen of *A. pygmaeator* is medially yellowish orange and the tarsi are wholly light. Hence it belongs to the Palearctic subspecies *Atractodes bicolor bicolor* Gravenhorst. Horstmann

(1968) first discovered that *Ichneumon pygmaeator* belongs to the genus *Atractodes*.

Atractodes croceicornis Haliday, 1838

Atractodes croceicornis Haliday, 1838: 118, ♀; syntypes ♀: Ireland (lost). The specimen labelled and published as "type" by Morley (1913) (ND) is mounted on a pin with a black head, which, according to A.W.Stelfox (Fitton 1976), indicates that it is not British (or Irish) and therefore cannot be one of the syntypes. We need no designation of a neotype because there is no confusion regarding the application of this name.

Atractodes progenitus Förster, 1876: 161, ♂.

Atractodes designatus Förster, 1876: 19, ♀; lectotype ♀: Germany, Aachen (ZM); a junior secondary homonym of *Asyncrita designata* Förster, 1876.

In Jussila 1979: 37 the name *progenitus* is in an incorrect form "*prognitus*" (a *lapsus*). For more synonyms and details, see Jussila 1979.

Atractodes cryptobius Förster, 1876

Atractodes cryptobius Förster, 1876: 120, ♀.

In Jussila 1979: 39 the name *cryptobius* is in an incorrect form "*eryptobius*" (a *lapsus*). For more synonyms and details, see Jussila 1979.

Atractodes designatus (Förster, 1876)

Asyncrita designata Förster, 1876: 14, ♂; holotype ♂: Switzerland, Oberengadin in Heuthal (ZM); a senior secondary homonym of *Atractodes designatus* Förster (see *A. croceicornis*).

Asyncrita cultraria Förster, 1876: 15, ♂♀; lectotype ♀: Switzerland, Bernina, R.Jussila designated 1979 (ZM); a senior secondary homonym of *Atractodes cultrarius* Förster (see *A. bicolor*).

Because the genus *Asyncrita* has been united with *Atractodes* (Jussila 1979), *Asyncrita cultraria* is considered to be the senior and *Atractodes cultrarius* Förster the junior secondary homonym (see *A. bicolor*). For more synonyms and details, see Jussila 1979.

Atractodes fumatus Haliday, 1838

Atractodes fumatus Haliday, 1838: 119, ♀.

Atractodes proprius Förster, 1876: 135, ♂. In Jussila 1979: 12 the name *proprius* is in an incorrect form "*prosopius*" (a *lapsus*).

For more synonyms and details, see Jussila 1979.

Atractodes gravidus Gravenhorst, 1829

Atractodes gravidus Gravenhorst, 1829b: 793, ♀; Jussila 1979: ♂♀.

Atractodes brevicornis Bauer, 1958: 185, ♀; holotype ♀: Germany, Ebensfeld/Ofr. (DEI), syn. n.

The length of the type specimen of *A. brevicornis* is about 8.5 mm. It is thus distinctly larger as a rule than *A. gravidus*, whose average length is 5.5–7.0 mm (Jussila 1979). But its structure and colouring perfectly resemble the type specimen of *gravidus*. For more details and synonyms of *Atractodes gravidus*, see Jussila 1979.

Atractodes intersectus (Boyer de Fonscolombe, 1852)

Hemiteles intersectus Boyer de Fonscolombe, 1852: 38, ♂; lectotype ♂: South France, designated by Horstmann 1980 (MP). A senior secondary homonym of *Atractodes intersectus* Förster, 1876.

The lectotype specimen (which is the best preserved syntype) is badly damaged: two fore legs, one middle leg and the gaster are lacking. For this reason determination is impossible, and the specimen must be regarded as a species *nomen dubium*.

Atractodes mesozonius (Gravenhorst, 1829)

Phygadeuon mesozonius Gravenhorst, 1829b: 700, ♂; type specimen lost (Frilli 1974 and 1978): *nomen dubium*.

Atractodes mesozonius (Gravenhorst) Strobl 1901: 228.

Atractodes nigripennis Hellén, 1949

Atractodes nigripennis Hellén, 1949: 8, ♂♀; lectotype ♀: the Canaries, Tenerife: Los Mercedes (ZH), K. Horstmann designated 1990.

Female: Length 8.0–9.0 mm. Head shagreened, ± punctate on face and frons, vertex somewhat narrowed behind compound eyes; temple not broadest in its oral part; genal carina straight; occipital carina rounded in middle part; malar space about 1.0 × width of mandible; clypeus weakly convex, polished, its apical margin swollen in middle third, width about 2.5 × length; upper tooth of mandible longer and wider than lower tooth; compound eye glabrous; apical segments of antenna sphaerical, flagellum with 17–18 segments, length-to-thickness ratios: 2nd segment about 3.6, 3rd 3.5, 5th 3.4, 7th 2.2, 10th 1.8 and penultimate about 1.2. Mesoscutum pol-

ished with ± shallow punctures, notaulus deep, reaching only 0.5 the distance to scutellum; mesopleurum polished with some punctures; propodeum polished bearing strong carinae, median area a little broader in its middle, polished and transversely shagreened in its caudal part, length about 2.2 × width, no apophysis or crest, propodeal spiracle rather small. Areolet open, second recurrent vein with one bulla; nervellus weakly antefurcal. Length of hind femur about 5.0 × width; tarsal claw slender, longer than arolium. Gaster, seen from side, apically ± acute, seen from above compressed from segment 3 to apex; seen from side, apex of 1st segment rather strongly curved; length of postpetiole about 1.0 × width, tergite 1 polished, carinae weak; tergite 2 polished, length about 1.1 × width; hypopygium with no punctures. — Black; dark brown on mandibular teeth, stigma and apex of gaster; yellowish orange on gastral segments 2–6. Wings fuscous. Legs wholly black.

Male: Resembles female. Gaster yellowish orange except for black 1st segment and apical claspers.

A. nigripennis belongs to the subgenus *Atractodes* Gravenhorst. This species is easily distinguished from the other western Palaearctic *Atractodes* species by its dark wings. It has been found only in the Canaries (Hellén 1949 and Báez & Ortega 1978).

Atractodes obsoletor (Zetterstedt, 1838)

Porizon obsoletor Zetterstedt, 1838: 395, ♂; holotype ♂: Norway, Lyngen (Horstmann 1966).

Atractodes neophytus Förster, 1876: 106, ♀; holotype ♂: Germany, Aachen (ZM); syn. n.

Atractodes agilis Förster, 1876: 145, ♂.

Atractodes niger Förster, 1876: 146, ♂.

Atractodes declinis Förster, 1876: 166, ♂.

Atractodes försteri Dalla Torre, 1902: 725; a new name for *A. niger* Förster (praecoccup.) (now *obsoletor* Zetterstedt) (Dalla Torre 1902); syn. n.

For more details, see Jussila 1979.

Atractodes pediophilus Förster, 1876

Atractodes pediophilus Förster, 1876: 109, ♀.

Atractodes corruptor Förster, 1876: 174, ♂; lectotype ♂: Germany, Aachen (ZM), hereby designated. The other male specimen in Förster's collection belongs to the species *A. croceicornis* Haliday, 1838 (Jussila 1979).

For more synonyms and details, see Jussila 1979.

Atractodes quadrispinus Ratzeburg, 1847

Atractodes quadrispinus Ratzeburg, 1847: 58; the type specimens (DEI) lost (Dr J. Oehlke in letter): *nomen dubium*.

Atractodes riparius Ruschka, 1913

Atractodes riparius Ruschka, 1913: 48, ♂ (Ruschka & Thieneman 1913); the type specimen (Germany, NW) lost (Dr Max Fischer in letter): *nomen dubium*.

Atractodes spiniger Snellen van Vollenhoven, 1876

Atractodes spiniger Snellen van Vollenhoven, 1876: 239, ♂; the type specimen (the Netherlands, near Leyden) lost (Krikken & al. 1981): *nomen dubium*.

Atractodes teneriventris (Gravenhorst, 1829)

Phygadeuon teneriventris Gravenhorst, 1829b: 689, ♂; lectotype ♂ (head missing), see Frilli 1974: 146 and 1978: 160.

Atractodes teneriventris (Gravenhorst) Strobl 1901: 228.

According to Pfankuch (1923) this species belongs to the species *Mesoleptus laevigatus* (Gravenhorst, 1829), and Frilli (1974 and 1978) placed to the genus *Atractodes*. I have seen the type specimen and I think that it could belong to the species *Atractodes gilvipes* Holmgren, 1858. But the correct determination without the essential characters of the missing head is impossible (essentially in relation to the related species *A. bicolor* Gravenhorst, 1829). It must therefore be considered a *nomen dubium*.

Atractodes thomsoni (Dalla Torre, 1902)

Atractodes rufipes Thomson, 1884: 1025, ♀; holotype ♀: Sweden Skåne, Ringsjön (EL). A junior primary homonym of *Atractodes rufipes* Provancher, 1874 and *Atractodes rufipes* Förster, 1876, and a junior secondary homonym of *Atractodes rufipes* (Förster, 1876) (= *Asyncrita* r.) (Fitton 1982 and Jussila 1983).

Asyncrita thomsoni Dalla Torre, 1902: 739.

The name *Atractodes thomsoni* (Dalla Torre) is itself a senior secondary homonym of *Atractodes thomsonii* Dalla Torre. However, these names were published simultaneously and, acting as the first reviser (Article 24(a) of the Code), Fitton rejected *Atractodes thomsonii* Dalla Torre as the junior name (Fitton 1982). *A. thomsonii* is

an unnecessary new name for *A. flavicoxa* Thomson (species not praeocc.) and must be a synonym of *A. angustipennis* Förster. *Atractodes thomsoni* Jussila, 1979 is *A. townesi* Jussila, 1983. For more details, see Jussila 1983.

Atractodes vicinus Förster, 1876

Atractodes intersectus Förster, 1876: 122, ♀; holotype ♀: Germany, Aachen (ZM), a junior secondary homonym of *Atractodes intersectus* (Boyer de Fonscolombe, 1852).

Atractodes vicinus Förster, 1876: 122, ♀; holotype ♀: Germany, Aachen (ZM).

Atractodes rufipes Förster, 1876: 135, ♂; holotype ♂: Germany, Aachen (ZM). A junior primary homonym of *Atractodes rufipes* Provancher, 1874 and a senior primary homonym of *Atractodes rufipes* Thomson, 1884 and a junior secondary homonym of *Atractodes rufipes* (Förster, 1876) (= *Asyncrita* r.).

Atractodes cautior Förster, 1876: 138, ♂; lectotype ♂: Germany, Aachen (ZM), hereby designated. The other three males in Förster's collection belong to the species *A. cryptobius* Förster, 1876 (Jussila 1979).

Atractodes crassicornis Thomson, 1884: 1025, ♀; lectotype ♀: Sweden, Sk: Lund, hereby designated (EL). The specimen labelled and published by Jussila (1979) as lectotype is from "Pålsjö" and therefore cannot be a syntype; it has no type status (Fitton 1982).

Atractodes sarntheinii Dalla Torre, 1902: 727; a new name for *A. rufipes* Förster (praeoccup.) (= now *vicinus* Förster) (Dalla Torre 1902); syn. n.

Because the name *intersectus* of Boyer de Fonscolombe is older than that of Förster, the name of the latter is a junior secondary homonym, and the name of the species must be *vicinus*. For more synonyms and details, see Jussila 1979.

Stilpnus tenebricosus (Gravenhorst, 1829)

Hemiteles tenebricosus Gravenhorst, 1829b: 785, ♂; lectotype ♂: ?Germany, Warmbrunn, designated by Diller and Horstmann 1979 (Horstmann 1979) (ZW).

Atractodes vestalis Haliday, 1838: 118, ♀; lectotype ♀: the British Isles, designated by Morley 1913 (ND). Junior synonym of *Stilpnus tenebricosus* (Gravenhorst) (Jussila 1987: 3).

Atractodes discoloripes Förster, 1876: 105, ♀; holotype ♀: Germany, Lousberg (ZM); syn. n.

I have studied the type specimen of *Atractodes discoloripes* and stated that it belongs to the species *Stilpnus tenebricosus* (Gravenhorst, 1829). For more synonyms and details, see Jussila 1987.

Mesoleptus laevigatus (Gravenhorst, 1820)

Ichneumon laevigatus Gravenhorst, 1820: 371, ♂♀; syn-types ♂♀: Italy, Piedmont (ZW).

Atractodes inessor Haliday, 1838: 118, ♀; lectotype ♀: the British Isles, designated by Morley (1913) (ND).

Atractodes inessor belongs to the genus *Mesoleptus* (Fitton 1976), and is a junior synonym of *M. laevigatus*.

Oxytorus luridator (Gravenhorst, 1820) (Oxytorinae)

Ichneumon luridator Gravenhorst, 1820: 379, ♂; lectotype ♂ (see van Rossem 1980) (ZW).

Mesoleptus coxator Gravenhorst, 1829b: 109, ♀; (see van Rossem 1980) (ZW).

Atractodes varicornis Holmgren, 1860: 114, ♀; lectotype ♀: Sweden, Småland (H.K. Townes designated 1958); syn. n. *Oxytorus luridator* (Gravenhorst) van Rossem 1980: 90, ♂♀.

I have seen the type of *Atractodes varicornis* and stated that it belongs to the species *Oxytorus luridator* (Gravenhorst). Morley (1907) stated that *A. varicornis* is a synonym of *Calldiotes (Mesoleptus) coxator* (= *Oxytorus luridator*).

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