

The West Palearctic species of Ctenophorinae (Diptera: Tipulidae):, key, distribution and references

An illustrated key is presented for the fifteen West Palearctic species and subspecies of the genera *Ctenophora*, *Dictenidia*, *Phoroctenia* and *Tanyptera*, with a review of their distribution and an overview of the recent literature for these taxa.

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Key words: *Ctenophora*, *Dictenidia*, *Phoroctenia*, *Tanyptera*

Introduction

Among the long-palped craneflies, the Tipulidae, the members of the subfamily Ctenophorinae are more or less spectacular. They are large and often ichneumon- or wasp-like. The body is frequently polished and bright, or coloured black with large yellow, orange or red markings. Another striking feature are the comb-like antennae of the males. The group comprises in the West Palearctic fifteen species and subspecies, belonging to four genera: *Ctenophora* Meigen, *Dictenidia* Brulle, *Phoroctenia* Coquillett and *Tanyptera* Latreille. The fifth genus in the Ctenophorinae, *Pselliophora* Osten Sacken, has a predominantly Oriental distribution.

The larvae of all these species develop in decaying wood of deciduous trees and might turn out to represent an especially significant conservation and monitoring element of the saproxylic fauna, as most of the species are rather scarce and some of them even very rare. Moreover, they are usually confined to old forests, orchards and similar habitats where there has been a long continuity of the presence of old, dying and fallen trees (Stubbs 2003).

The purpose of this paper is to present an illustrated key to the adults of all the West Palearctic species and subspecies. In addition, an overview of the distribution of the species is given, based on Oosterbroek (2006). For information about the habitat and biology, the reader is referred to the list of references for each species.

Key to species and subspecies

- 1 Segments 4-12 of male antenna with appendages (figures 1-5, 31), these segments in female serrate or ventrally rounded (figures 7-8, 32), short and toward apex wider than long (figure 6), or segment 3 lengthened, almost twice the length of segment 4 (figures 9, 52); basal part of antennal segments always with bristles, the so-called verticils Ctenophorinae 2
Male antennal segments without appendages (figures 10-11) and in female not as above; if segments serrate then verticils absent (genus *Prionocera*, figure 11)
..... other Tipulidae

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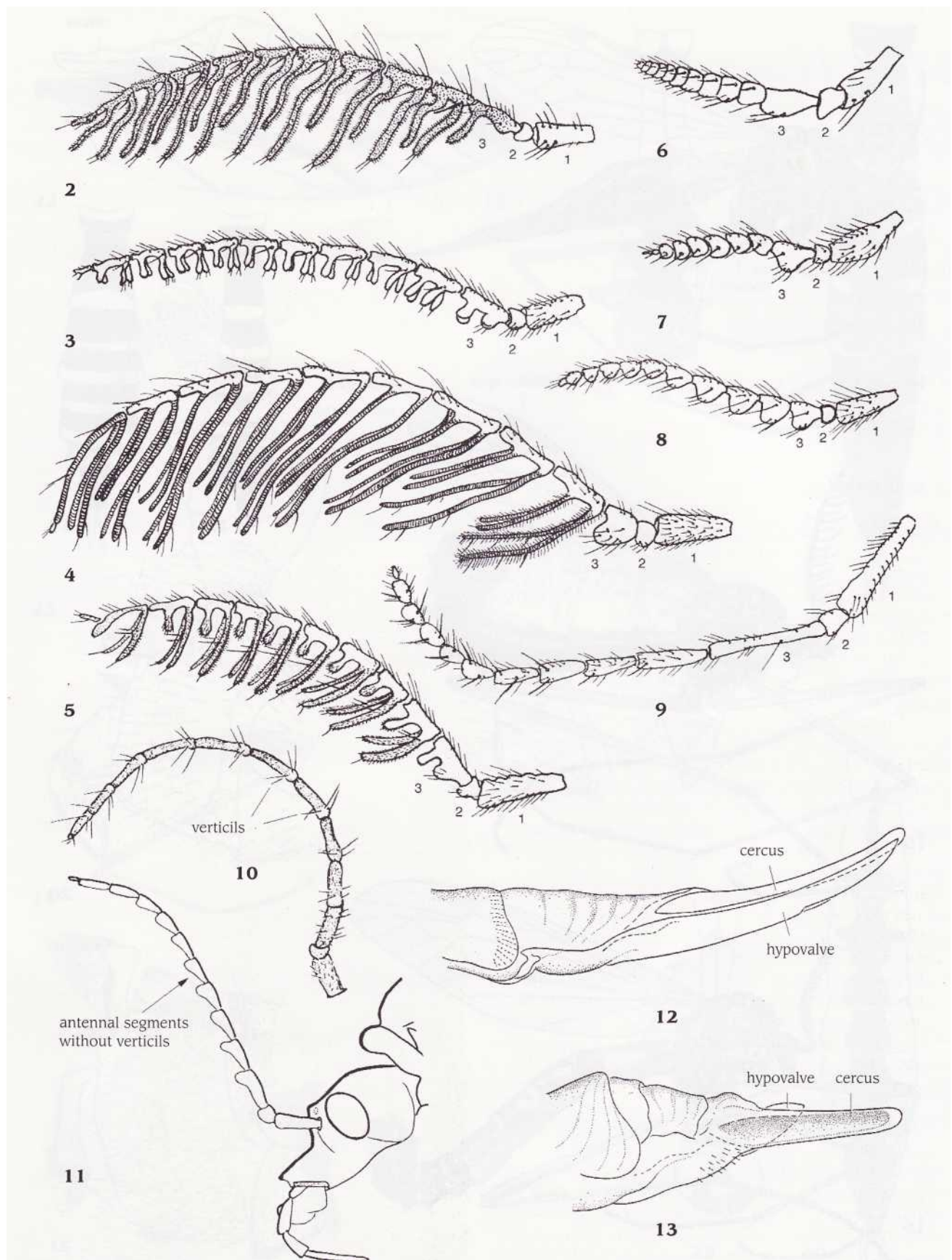
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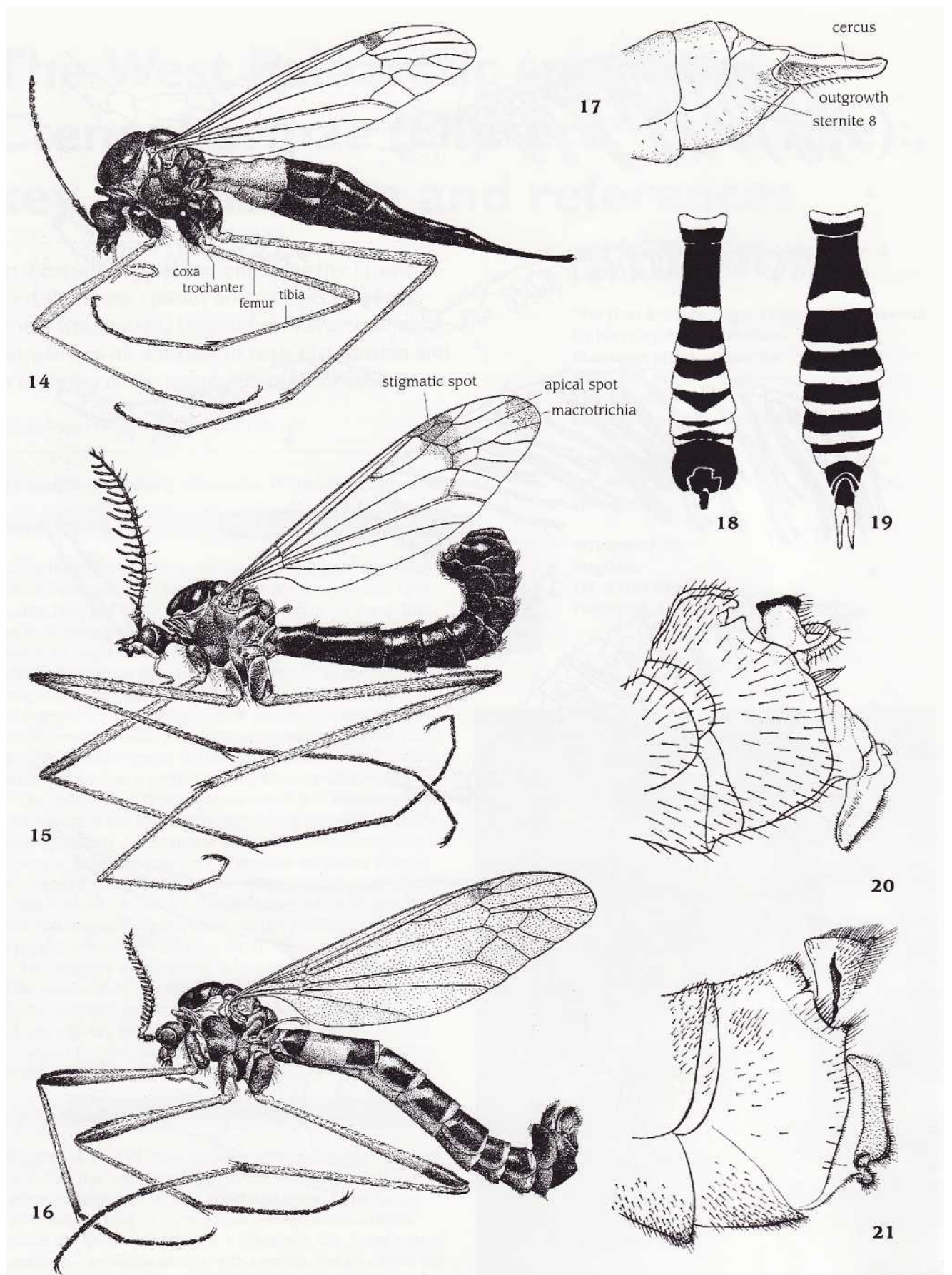


Figure 1. ♂ *Ctenophora flaveolata*. Nazareth, Belgium, 23 April 2005.

Photo: Marc Espeel

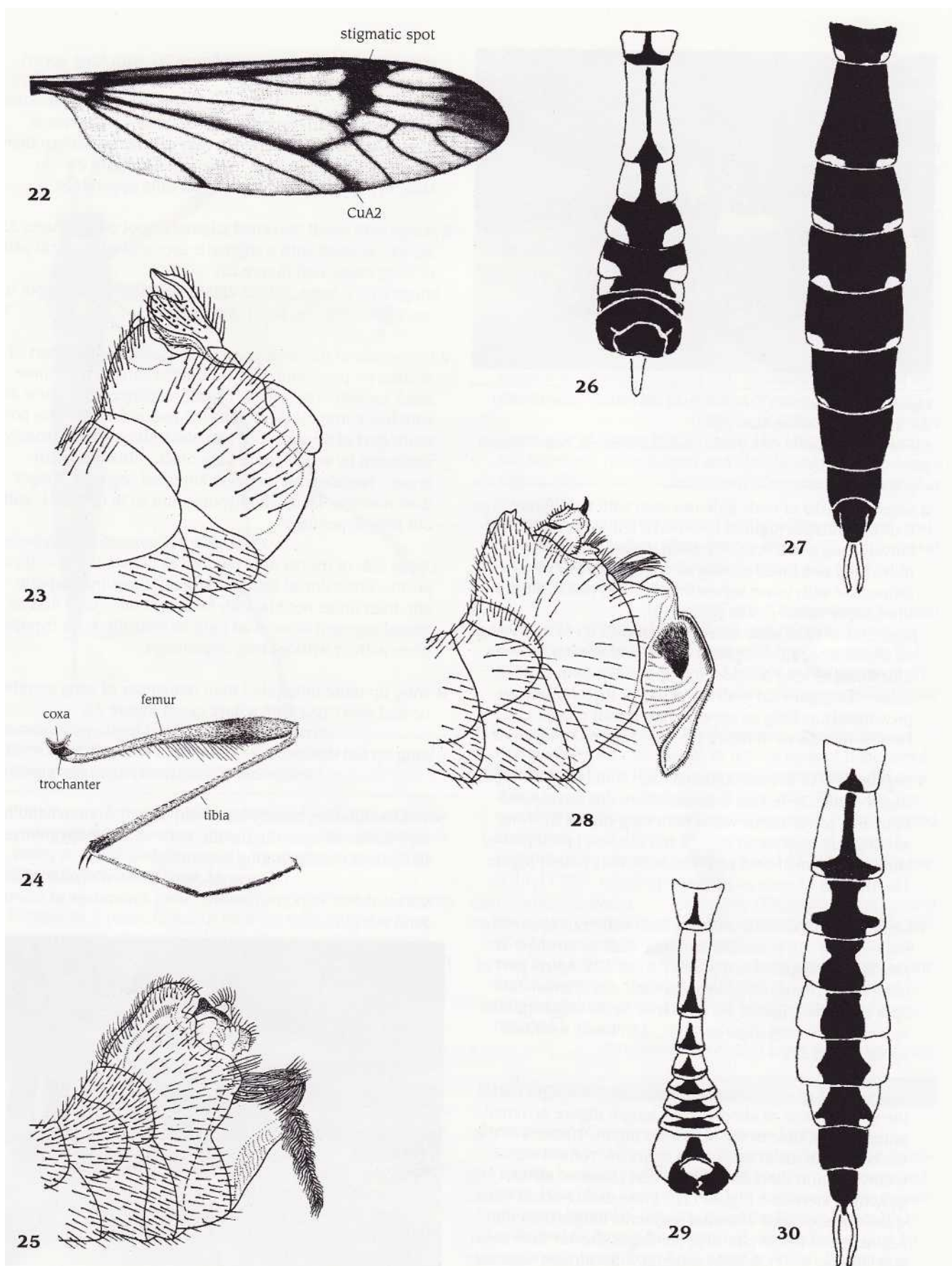
♀ *Ctenophora flaveolata*. Nazareth, Belie, 23 april 2005.





Figures 14-21. 14 9 *Tanyptera a. atrata*, 15 6 *Dictenidia bimaculata*, 16 6 *Phoroctenia v. vittata*; 17 ovipositor of *Phoroctenia v. vittata*; abdomen of 18 6 *Ctenophoraflaveolata*, 19 4 *Ctenophora flaveolata*; hypopygium of 20 *Ctenophoraflaveolata*, 21 *Ctenophora n. nigriceps*. Figures 14-17 and 20 after Savchenko (1973), 18-19 and 21 after Menier (1973), 20 after Mannheims (1967).

Habitus (14-16), legboor (17), achterlijf (18-19) en achterhyspunt (20-21) van Ctenophorinae-langpootmuggen.



Figures 22-30. 22 Wing of *Ctenophora nigriceps miyamotoi*; 23 hypopygium of *Ctenophora sibirica*; 24 hind leg of *Ctenophora elegans*; 25 hypopygium of *Ctenophora elegans*; 26 6th abdomen of *Ctenophora elegans*; 27 4th abdomen of *Ctenophora guttata*; 28 hypopygium of *Ctenophora guttata*; 29 6th abdomen of *Ctenophora pectinicornis*; 30 4th abdomen *Ctenophora pectinicornis*. Figures 22 after Takahashi (1960), 23-25 and 28 after Savchenko (1973), 26-27 and 29-30 after Menier (1973).

Vleugel (22), achterlijfspunten (23, 25, 28), achterpoot (24) en achterlijven (26-27, 29-30) van *Ctenophorinae*-langpootmuggen.



Figure 31. *d Ctenophora flaveolata*, head and thorax. Nazareth, Belgium, 23 April 2005. Photo: Marc Espeel

Kop en borststuk van *cr Ctenophora flaveolata*. Nazareth, Belgie, 23 april 2005.

- 2 Segments 4-12 of male antenna each with two (figure 2) or four appendages (figures 1, 3-4, 31); female segment 3 relatively long and thick (*Dictenidia*, figure 6) or short (not more than two times as long as wide) (figures 7-8, 32). Ovipositor with lower valves (hypovalves) much shorter than upper valves (cerci) (figure 13) 3
- Segments 4-12 of male antenna each with three appendages (figure 5); female segment 3 long and slender (at least four times as long as wide) (figures 9, 52). Ovipositor sabre-like (figure 52) with lower valves (hypovalves) approximately as long as upper valves (cerci) (figure 12). Female habitus as in figure 14 genus *Tanyptera* 16
- 3 Segments 4-12 of male antenna each with only two appendages (figure 2); female antenna short, not serrate and segments toward apex wider than long (figure 6). Wing with two dark spots, at stigma and at apex; apical part of wing with a small area with macrotrichia ('hairs') (figure 15). Habitus of male as in figure 15 *Dictenidia bimaculata*
- Segments 4-12 of male antenna each with four appendages (figures 1, 3-4, 31); female antenna weak or stronger serrate beyond segment 2 (figures 7-8, 32, 51). Apical part of wing without macrotrichia; wing with single small dark spot at stigma (figures 16, 35, 51) or single large spots in apical part of wing (figures 40-41, 43), rarely with two spots (figure 22) 4
- 4 Appendages of male antennal segments not longer than the segment and of almost equal length (figure 3); female antenna with nine or ten segments (figure 7). Sides of thorax bare. Habitus of male as in figure 16. Female with relatively short cerci and base of cerci covered by outgrowth of sternite 8 (figure 17) .*Phoroctenia vittata vittata*
- Appendages of male antennal segments longer than the segment and apical pair of appendages shorter than basal pair (figures 4, 31); female antenna with thirteen segments (figure 8). Sides of thorax with long macrotrichia ('hairs') .
..... Genus *Ctenophora* 5
- 5 Abdomen black with broad yellow transverse bands at hind margins of segments 2-6 or 2-7 (figures 1, 18-19, 50).

- Male with hypopygium as in figure 20, with long appendage at lower hind margin
..... *Ctenophora (Ctenophora) flaveolata*
- Abdomen not with series of yellow transverse bands at hind margins of segments; in case of a serial pattern then tergites always darkened in the middle (figure 27, 33). Male hypopygium with or without long appendage6
- 6 Wings with small darkened stigmatic spot only (figures 33, 35, 51), at most with a stigmatic spot and with apical part of wing infuscated (figure 22) 7
- Wings with a large distinct clearly delimited dark spot in apical part (figures 40-41, 43) 12
- 7 Upper side of thorax highly polished and anterior part of scutum (= part before the transverse suture) with three black longitudinal stripes, broadly separated by yellow and with black irregular spot on each lateral fore margin; posterior part of scutum with two black stripes, also broadly separated by yellow; scutellum black. Tibiae blackish-brown. Female with long first antennal segment, longer than rostrum. Male with hypopygium as in figure 21, without long appendage
..... *Ctenophora (Ctenophora) nigriceps* 8
- Upper side of thorax not coloured as above, but if so (in *C. pectinicornis* dorsal thoracic stripes sometimes separated), then tibiae not blackish-brown. Female with first antennal segment at most as long as rostrum. Male hypopygium with or without long appendage 9
- 8 Wing tip more infuscated than remainder of wing membrane and vein CuA2 with a dark cloud (figure 22)
..... *Ctenophora (Ctenophora) nigriceps miyamotoi*
- Wing tip not darkened and vein CuA2 without cloud
..... *Ctenophora (Ctenophora) nigriceps nigriceps*
- 9 Tibia of hind leg basally black with broad whitish band before darkened apex (figure 33). Male with hypopygium as in figure 23, without long appendage
..... *Ctenophora (xiphuromorpha) sibirica*
- Not as above. Hypopygium with long appendage at lower hind margin 10



Figure 32.4 *Ctenophora flaveolata*, head and thorax. Nazareth, Belgium, 23 April 2005. Photo: Marc Espeel

Kop en borststuk van 9 *Ctenophora flaveolata*. Nazareth, Belgie, 23 april 2005.



Figure 33. 9 *Ctenophora sibirica* (after Portschinsky 1873).
Ctenophora sibirica (naar Portschinsky 1873).

- 10 Male only: femur of hind leg provided with row of long yellowish-white macrotrichia ('hairs') before distinct thickening at apical part (figure 24). Hypopygium as in figure 25. Abdomen as in figure 26 *Ctenophora (Ctenophora) elegans*
- Female, or if male, femur of hind leg without thickening, nor provided with row of long yellowish-white macrotrichia (figure 35) 11
- 11 Abdomen black with whitish yellow lateral spots at hind margins of tergites 2-6 or 2-7 (figure 27), similar spots present on sternites, especially in female, where they can also be connected along hind margin of sternites. Sides of thorax black. Male with hypopygium as in figure 28
..... *Ctenophora (Ctenophora) guttata*
- Abdomen with dark dorsal stripe, in the male composed of elongated triangular spots on tergites 1-5 or 1-6 (figure 29); spots broader in female (figure 30); abdomen ventrally ochre-yellow or brown, sometimes with darkened spots along midline. Thorax laterally ochre-yellow or brown with some areas blackened. Male with hypopygium as in figure 34. Habitus of male as figure 35, of female as in figure 51 *Ctenophora (Ctenophora) pectinicornis*
- 12 Spot in apical part of wing elongate, continuing broadly to wing tip (figures 40-41). Basal half of tibia of hind leg not darkened nor with darkened ring (figures 40-41) . . . 13

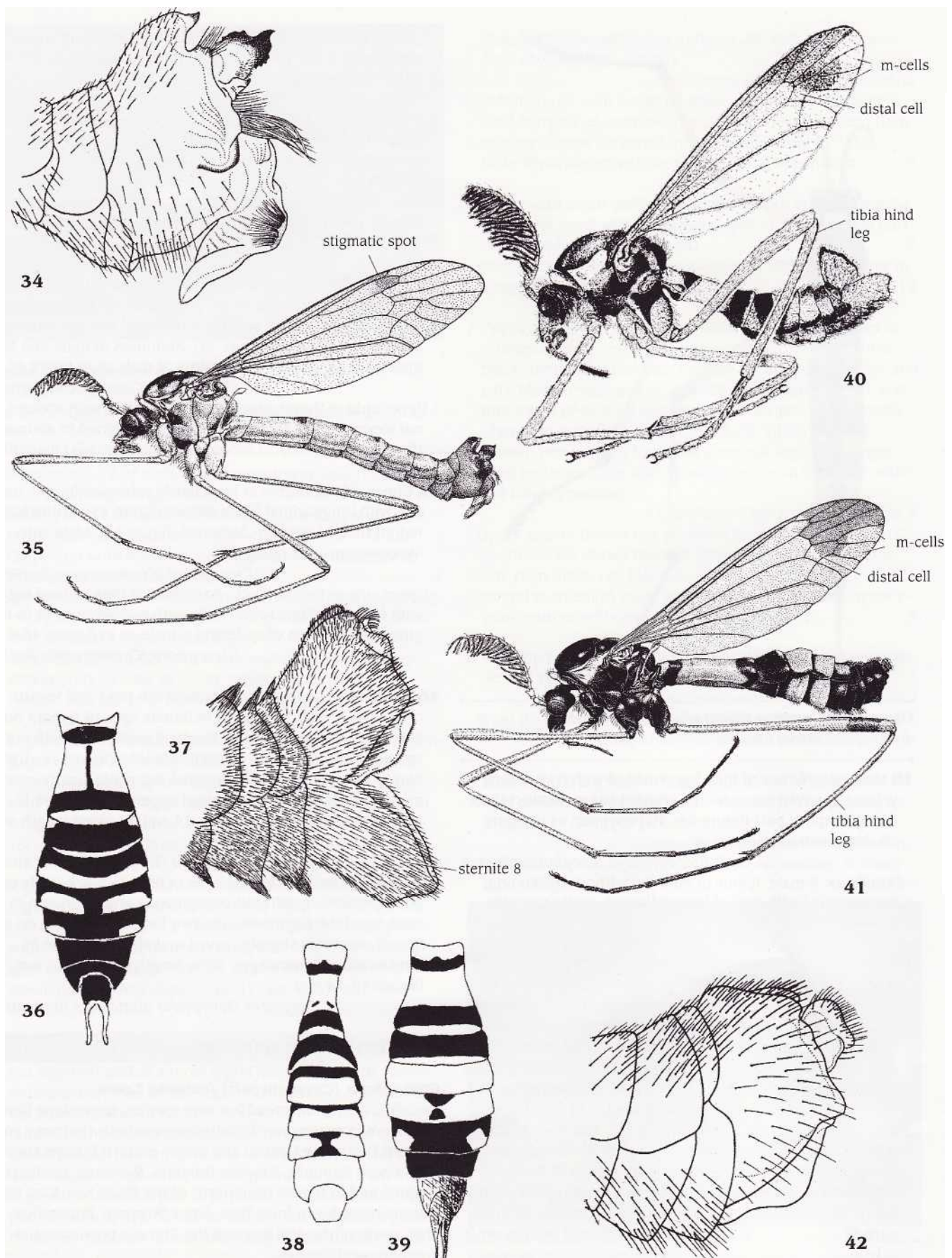
- Spot in apical part of wing rounded, not reaching wing tip (figure 43). Basal half of tibia of hind leg darkened or with darkened ring (figure 43) 15
- 13 Female only: abdominal pattern as in figure 36; yellow of abdominal tergites shining. Dark spot in apex of wing may reach discal cell or go into it, but does not reach into the m-cells *Ctenophora (Ctenophora) elegans*
- Male, or if female, yellow of abdominal tergites dull. Dark spot in apex of wing goes into m-cells (figures 40-41, 43) .
..... 14
- 14 Upper side of thorax at least partly brown, usually with longitudinal black stripes (as in *C. fastuosa*, figure 43). Male with abdominal sternite 8 enlarged and not closely aligned to abdomen (figure 37). Abdomen of male and female as in figures 38-39. Habitus of male as in figure 40 . .
..... *Ctenophora (Cnemoncosis) ornata*
- Upper side of thorax black (figure 41). Male with abdominal sternite 8 not enlarged and closely aligned to abdomen (figure 42) *Ctenophora (Cnemoncosis) magnifica*
- 15 Upper side of thorax at least partly yellow or brown, usually with longitudinal black stripes (figure 43). Entire basal half of tibia of hind leg darkened (figure 43). Male with hypopygium as in figure 44
..... *Ctenophora (Cnemoncosis) fastuosa*
- Upper side of thorax black. Basal half of tibia of hind leg with broad darkened ring. Male with hypopygium as in figure 45. Abdomen of male and female as in figures 46-47 .
..... *Ctenophora (Cnemoncosis) festiva*
- 16 Trochanter (short unit of leg between coxa and femur) orange or brown, not black; in female apex of femora not blackened (figure 14). Male tergite 9 posteriorly with conspicuous angular notch in each side lobe (figure 48); the two long appendages on antennal segments clearly curved and about twice as long as short appendages (figure 5). Habitus of female as in figures 14 and 52. Wing length male 14-17 mm, female 16-20 mm
..... *Tanyptera (Tanyptera) atrata atrata*
- Trochanter black; in female apex of femora black. Male tergite 9 posteriorly without conspicuous angular notch in each side lobe (figure 49); the two long appendages on antennal segments slightly curved and about 1.5 time as long as short appendages. Wing length male 11-12 mm, female 13-14 mm
..... *Tanyptera (Tanyptera) nigricornis nigricornis*

Distribution and references

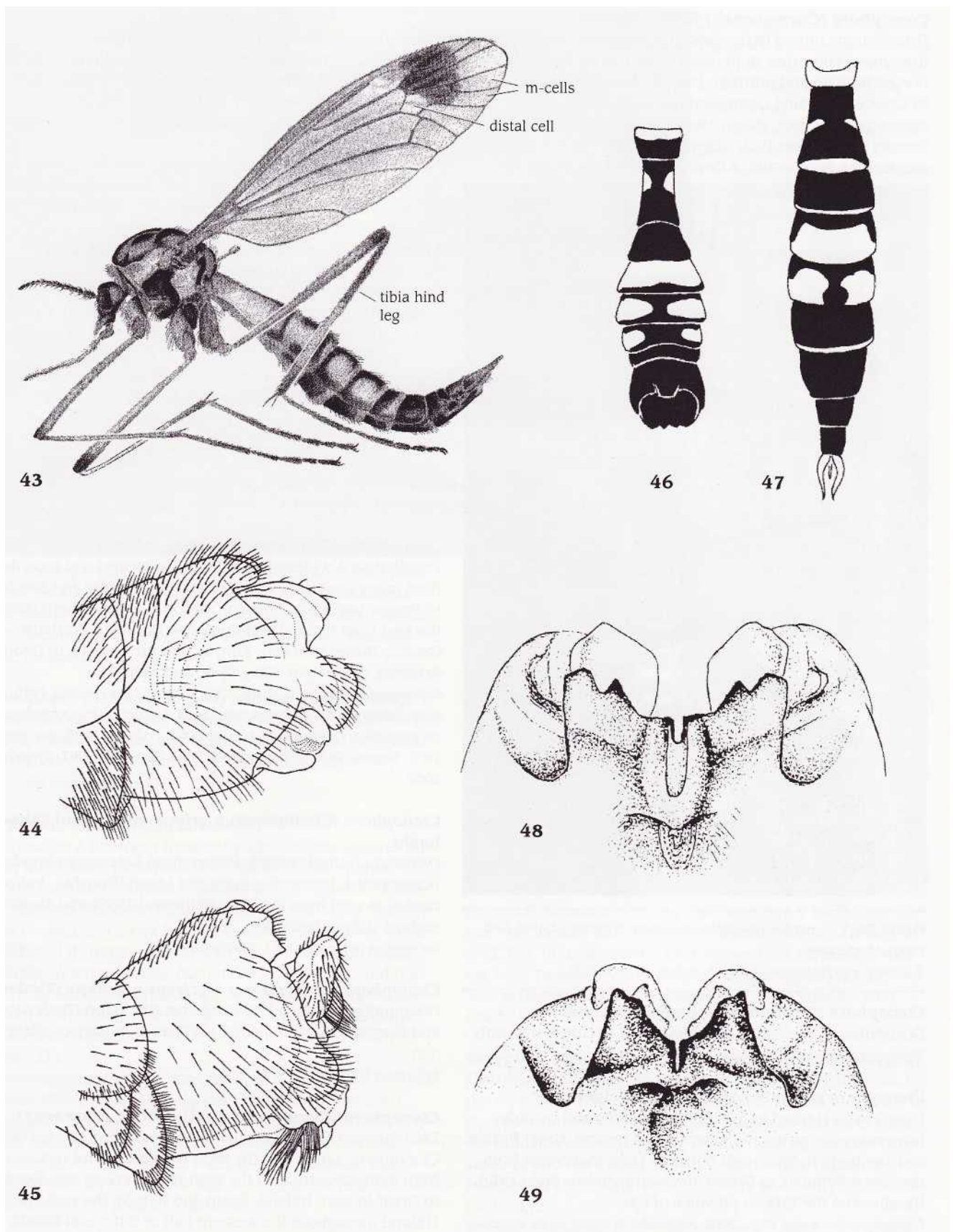
Ctenophora (Cnemoncosis) fastuosa Loew

Distribution A widespread but rare species, in western Europe known from very few localities in southern Germany and southern Poland. In Central and south-eastern Europe known from Czech Republic, Croatia, Bulgaria, Romania, southern Ukraine and in Russia from north of the Black Sea. East Palearctic records are from Tyva, Amur province, Primorskiy kray, south of the Aral Sea and the Chinese provinces Heilongjiang and Zhejiang.

References Savchenko 1973, Simova-Tosic Oosterbroek 2003, Ujvarosi 2003.



Figures 34-42. 34 Hypopygium *Ctenophora pectinicornis*; 35 d *Ctenophora pectinicornis*; 36 R abdomen *Ctenophora elegans*; 37 hypopygium *Ctenophora ornata*; abdomen of 38 d *Ctenophora ornata*, 39 4 *Ctenophora ornata*; 40 d *Ctenophora ornata*, 41 d *Ctenophora magnifica*; 42 hypopygium *Ctenophora magnifica*. Figures 34-35, 37, 41-42 after Savchenko (1973), 36, 38-40 after Menier (1973). Achterlijfspunt (34, 37, 42), habitus (35, 40-41) en achterlijf (37, 38-39) van *Ctenophorinae*-langpootmuggen.



Figures 43-49. 43 9 *Ctenophora fastuosa*; hypopygium of 44 *Ctenophora fastuosa*, 45 *Ctenophora ifestiva*; abdomen of 46 *d Ctenophora festiva*, 47 *Ctenophora festiva*; d tergite 9 of 48 *Tanyptera a. atrata*, 49 *Tanyptera n. nigricornis*. Figures 43 after Mannheims (1951), 44-45 after Savchenko (1973), 46-47 after Menier (1973) and 48-49 after Bygebjerg & Munk (2005).

Habitus (43), achterlijfspunt (44-45), achterlijf (46-47) en tergiet 9 (48-49) van Ctenophorinae-langpootmuggen.

Ctenophora (Cnemoncosis) Festiva Meigen

Distribution Limited to the West Palearctic and recorded from many countries, in the west from The Netherlands to northern Spain and northern Italy, in the east from Lithuania to Greece (including Corfu) and the North Caucasus.

References Drees 2001, Dufour 1986, 2003, Eiroa & Baez 2002, Martinovsky 1968, Menier 1973, Pilipenko 2002, Podenas 1995, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Ujvarosi 2003.



Figure 50. 4 *Ctenophora flaveolata*. Nazareth, Belgium, 23 April 2005.
Photo: Marc Espeel

Ctenophora flaveolata. Nazareth, Belgie, 23 april 2005.

Ctenophora (Cnemoncosis) magnifica Loew

Distribution Known from Azerbaijan and northern Iran only.

Reference Savchenko 1973.

Ctenophora (Cnemoncosis) ornata Meigen

Distribution Limited to the West Palearctic and recorded from many countries, in the west from Ireland, Great Britain and Denmark to Spain and northern Italy, in the east from the Czech Republic to Greece (including Andros and Corfu), Ukraine and the Turkish province of Icel.

References Alexander 1991, 2002, Alexander & Grove 1990, Bygebjerg & Munk 2005, Dajoz 2000, Dufour 1986, Eiroa & Baez 2002, Falk 1991, Harvey 1999, Koc & Oosterbroek 2001, Menier 1973, Oosterbroek & de Jong 2001, Owens 1987, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Skidmore 2003, Sorensen 2002, Speight & Nash 1993, Stubbs 1992, 2003, Theowald 1967, Ujvarosi 2003.

Ctenophora (Ctenophora) elegans Meigen

Distribution Limited to the West Palearctic, in the west recorded from The Netherlands and Germany to Spain and northern Italy, in the east from Austria and Slovakia to Greece (including Samos and Samothraki), Ukraine and neighbouring Russia.

References Eiroa & Baez 2002, HOchstetter 1963, Martinovsky 1968, Menier 1973, Oosterbroek & de Jong 2001, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Theowald 1967, Ujvarosi 2003.

Ctenophora (Ctenophora) flaveolata (Fabricius)

Distribution Limited to the West Palearctic and recorded from many countries, in the west from Norway and Great Britain to Spain and Italy, in the east from Finland, Latvia and northwestern Russia to northern Greece, Ukraine and adjacent Russia.

References Alexander 1991, 2002, Alexander & Foster 1995, Bratton 2003, Bygebjerg & Munk 2005, Dagley & Ismay 2000, Denton 1997, 2000, Denton & Fry 1998, Drees 2001, Dufour 1986, Eiroa & Baez 2002, Falk 1991, Foster 1996, Godfrey 1994, Martinovsky 1968, Menier 1973, Miles 1983, Podenas 1995, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Smith 1998, Sorensen 2002, Stubbs 1992, 2002, 2003, Ujvarosi 2003, Whitehead 1994.

Ctenophora (Ctenophora) guttata Meigen

Distribution A widespread Palearctic species and recorded from many countries, in the west from Norway and Sweden to France (including Corsica), Andorra, and northern Italy, in the east from Finland and European Russia to northern Greece, Turkey (Hakkari, Konya), and further east to Georgia, Armenia, Azerbaijan, Altay, Iyva, and Mongolia.

References Bygebjerg & Munk 2005, Cramer 1968, Dufour 1986, Kog & Oosterbroek 2001, Martinovsky 1968, Menier 1973, Oosterbroek & de Jong 2001, Oosterbroek & Eiroa 2004, Podenas 1995, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Sorensen 2002, Ujvarosi 2003.

Ctenophora (Ctenophora) nigriceps miyamotoi Takahashi

Distribution Until recently known from far-eastern Russia (Kamtchatka, Primorskiy kray) and Japan (Honshu), but recorded as well from the Altay (Pilipenko 1999) and Moscow regions (Pilipenko 2002).

References Pilipenko 2002, Savchenko 1973.

Ctenophora (Ctenophora) nigriceps nigriceps (Tjeder)

Distribution Described from Sweden (Jamtland (Tjeder 1949) and Norrbotten (Mannheims 1967) as *C. miyamotoi claripennis*).

Reference Savchenko 1973.

Ctenophora (Ctenophora) pectinicornis (Linnaeus)

Distribution The most frequently encountered species of *Ctenophora*. Limited to the West Palearctic and recorded from many countries, in the west from Norway and Sweden to Great Britain, Ireland, Spain and Italy, in the east from Finland throughout the western half of European Russia, not further south than Montenegro, Romania and Ukraine.

References Alexander 2002, 2004, Alexander & Grove 1990, Bygebjerg & Munk 2005, Clements & Alexander 1987, 1988, Clemons 2000, Cramer 1968, Denton 2000, Dobson 1998, Drees 2001, Dufour 1986, Eiroa & Baez 2002, Falk 1991, Godfrey 1998, Grove 1990, Hackett



Figure 51.9 *Ctenophora pectinicornis*, 1 June 2005, Den Hoorn, Texel, Noord-Holland. Photo: Bert Pijs (Foto Natura)

Ctenophora pectinicornis, 1 juni 2005, Den Hoorn, Texel.

1995, Harding & Walls 2000, HOchstetter 1963, Martinovsky 1968, Menier 1973, O'Connor & Ashe 1998, Podenas 1995, Podeniene 2003, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Sorensen 2002, Speight & Nash 1993, Stubbs 1976, 1992, 2003, Theowald 1967, Ujvarosi 2003.

Ctenophora (Xiphuromorpha) sibirica Portschinsky

Distribution As the name suggests, distributed in Siberia (Yakutiya, Irkutsk-, Amur- and Magadan provinces, Mongolia), but recorded as well from Slovakia (Martinovsky 1987).

Reference Savchenko 1973.

Dictenidia bimaculata (Linnaeus)

Distribution A relatively frequently encountered species and of all the species presented here the most widespread.

Known from all European countries except Iceland, Moldova, Portugal, Andorra, European Turkey and Malta. Known from Corsica and Sicily, but not Sardinia. Toward the east distributed throughout Siberia as far east as Kamtchatka, Sakhalin, Amur province, Primorskiy kray, 'Korea' and northern China (Hebei, Shandong). In the southern Palearctic known from Turkey (Artvin), Georgia, Armenia, Azerbaijan, Kazakhstan, Kyrgyzstan, Mongolia, and central China (Sichuan, Zhejiang).

References Alexander 2002, 2004, Bloxham & Smart 2001, Bygebjerg & Munk 2005, Clements & Alexander 1987, 1988, Denton 2000, Drees 2001, Dufour 1986, Eiroa & Baez 2002, Godfrey 2003, HOchstetter 1963, Koc & Oosterbroek 2001, Menier 1973, Noll 1985, Oosterbroek 2002, Parvu 2003, Podenas 1995, Podeniene 2000, 2003, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Sorensen 2002, Stubbs 1992, 2003, Theowald 1967.

Phoroctenia vittata vittata (Meigen)

Distribution Predominantly a species of temperate regions, known from south of 70°N throughout Fennoscandia, Latvia, Lithuania, northwest European Russia south of 70°N, Denmark, Germany, southern Siberia from the Altay to Kamt-

chatka, Sakhalin and the Kuril Islands, the Japanese islands Hokkaido and Honshu, and the Chinese province Hebei. In the western Nearctic (British Columbia to California) subspecies *angustipennis* (Loew) occurs.

References Bygebjerg & Munk 2005, Dajoz 2000, Savchenko 1973, Sorensen 2002.

Tanyptera (Tanyptera) atrata atrata (Linnaeus)

Distribution Also a relatively frequently encountered and widespread species. Known from all European countries except Iceland, Portugal, Andorra, European Turkey and Malta. In the eastern and southern Palearctic limited to Altay, 'Iyva, Amur province, Kamtchatka, Kazakhstan, and Kyrgyzstan. In the East Palearctic the subspecies *T. (T.) portschinskyi* (Enderlein), *T. (T.) przewalskii* Savchenko, and *T. (T.) unilineata* Alexander, occur.

References Alexander 2002, Bea 1998, Bygebjerg & Munk 2005, Cramer 1968, Denton 2000, Drees 2001, Dufour 1986, Eiroa & Baez 2002, Falk 1991, HOchstetter 1963, Menier 1973, Parvu 2003, Podenas 1995, Podeniene 2003, Salmela 2004, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Skidmore *et al.* 1995, Sorensen 2002, Stubbs 1992, 2003, Theowald 1967.

Tanyptera (Tanyptera) nigricornis nigricornis (Meigen)

Distribution Predominantly limited to the West Palearctic, in the west known from Norway and Great Britain to France, in the east from Finland throughout European Russia to Ukraine, Romania and Macedonia. Further east also known from Yakutiya and the Irkutsk province. In the East Palearctic the subspecies *T. (T.) fumibasis* Alexander and *T. (T.) kotan* Takahashi occur.

References Alexander 2001, 2002, Bygebjerg & Munk 2005, Cramer 1968, Clements & Alexander 1987, Denton 2000, Drees 2001, Dufour 1986, Falk 1991, Hrichstetter 1963, Hoskin 2000, Menier 1973, Oosterbroek & de Jong 2001, Salmela 2004, Salmela & Ilmonen 2005, Savchenko 1973, Simova-Tosic & Oosterbroek 2003, Stubbs 1992, 2003, Theowald 1967.



Figure 52. 9 *Tanyptera atrata*, 16 May 2005, departement Meuse, France. Photo: Koen Verhoeyen

9 *Tanyptera atrata*, 16 mei 2005, departement Meuse, Frankrijk.

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Samenvatting

De West-Palearctische soorten van de Ctenophorinae (Diptera: Tipulidae): determinatietabel, verspreiding en literatuur

Binnen de familie van de grotere langpootmuggen, de Tipulidae, zijn de soorten van de subfamilie Ctenophorinae nogal bijzonder: ze hebben soms een wesp- of sluipwesepachtig voorkomen en een veelal glimmend en licht gekleurd lichaam, ofwel een zwart lichaam met een opvallend geel of oranje vlekkenpatroon. Bovendien bezitten de mannetjes opvallende gevederde antennes. In het West-Palearctische gebied omvat de subfamilie vijftien soorten en ondersoorten in vier genera: *Ctenophora* Meigen, *Dictenidia* Brul-16, *Phoroctenia* Coquillett and *Tanyptera* Latreille. Het vijfde genus binnen de Ctenophorinae, *Pselliophora* Osten Sacken, komt hoofdzakelijk voor in Oost-Azie.

De larven van alle soorten ontwikkelen zich in rottend hout van loofbomen. Ze zijn meestal beperkt tot oude bossen, hoogstamboomgaarden en andere terreinen gekenmerkt door een van oudsher langdurige aanwezigheid van oude, afstervende en omgevallen bomen. Hierdoor, en vanwege de relatieve zeldzaamheid van veel van de soorten, is te verwachten dat Ctenophorinae goede indicatoren zijn voor de biodiversiteitswaarde van bossen en aanverwante habitats.

In dit artikel wordt een geïllustreerde tabel gepresenteerd voor de adulten van alle West-Palearctische soorten en ondersoorten, een overzicht van hun verspreiding en van de recente literatuur.