

## DRAFT KEY TO BRITISH TACHYDROMIA

The keys of Collin (1961) & Chvála (1970, 1975) are useful but do not describe all the British species of *Tachydromia*

- ***T. acklandi*** Chvála is very local on river gravels in northern & western Britain It was described by Chvála (1973) from Scottish specimens
- ***T. lundstroemi*** (Frey) was added by Andrewes (1966) from a series from riverside vegetation in Wiltshire
- ***T. terricola*** Zetterstedt was added by Allen (1983) It was found on sand at Lydd in East Kent
- ***T. edenensis*** was described by Hewitt and Chvála (2002) It has been found by rivers in northern England and SE Wales
- ***T. calcarata*** Stroble found by Chvála & Hewitt (2006) in Cumbria
- ***T. smithi*** Chvála is known from a single male found on a tree trunk in the English midlands (Gibbs)

Other species may yet be found in Britain The following key to the British species is tentative & provisional; please treat it as such and confirm determination of rarer species by reference to published full description and figures of male genitalia

- |    |   |                              |
|----|---|------------------------------|
| 1: | Prothorax between humeri and coxae silvery dusted Radial vein (R2+3) almost straight and broadly separated from costa.....  | <b>2</b>                     |
| –  | Prothorax without silvery patch, polished black Radial vein arched towards costa, cell R1 rather narrow .....   | <b>11</b>                    |
| 2: | Palpi pale yellow, clothed with pale or silvery hairs and black terminal bristle<br>One notopleural bristle.....  | <b>3</b>                     |
| –  | Palpi at least brownish yellow, usually dark brown to blackish, with dark or silvery hairs One or two notopleurals .....  | <b>4</b>                     |
| 3: | Legs yellowish brown Wings faintly clouded at tip and along veins, leaving costal margin to end of radial vein (R2+3) and all hind margin hyaline Male mid femora with shallow excision near base beneath and short apical projection to middle tibiae 2.0 – 2.5 mm ..... | <b>terricola</b> Zetterstedt |
| –  | Legs extensively blackish Wings with two broad faint brownish bands indistinctly connected on costa Male mid femora simple and middle tibiae without apical projection  |                              |
| –  | 1.3 – 1.75 mm .....   | <b>halidayi</b> Collin       |
| 4: | Wings with two brown bands separated along whole length Occiput extensively shining black One notopleural bristle.....  | <b>5</b>                     |
| –  | Wings with brown bands broadly connected along costa or wings brownish on anterior half as far as and including tip Two notopleural bristles.....   | <b>7</b>                     |
|    | <i>[note:-if wing patch connected costally, occiput shining, black annulated tarsi, see edenensis]</i>  |                              |
| 5: | Legs blackish brown, Only knees and metatarsi paler Fore and mid femora with double row of strong black bristles along whole length beneath Wing bands faint beyond cubital vein (R4+5) Radial vein (R2+3) with short appendix on apical part 3 mm.....                   | <b>lundstroemi</b> (Frey)    |
| –  | Legs less darkened Fore and mid femora more yellowish with only dark bristly hairs on apical two thirds beneath Wing bands distinct to hind margin of wing Radial vein without appendix .....   | <b>6</b>                     |

- 6: Wings large and broader, bluntly rounded at tip, radial vein sharply upturned to costa Legs darker, mid and hind pairs mainly blackish, hind femora all dark Occiput bearing grey dusting on upper part behind vertex and at sides adjacent to eye margin 2.0 – 2.5mm .....**arrogans** (Linnaeus)
- Wings small and narrow, pointed at tip Radial vein ending at costa in an obtuse angle Legs mainly yellow, hind femora yellow at base Occiput entirely shining, only somewhat dulled by greyish dust behind vertex 1.6 – 2.5 mm ..... **aemula** (Loew)
- 7: Halteres dark brown Wings with darkened outer two thirds on costal half, including the wing tip Fore femur black, yellow on basal third 1.6 – 2.2 mm.....**halterata** (Collin)
- Halteres whitish yellow Wings with two brown bands broadly connected along costal margin, always leaving wing tip hyaline ..... **8**
- 8: Head densely grey dusted Palpi 1 large, yellowish brown with several long brown bristles Abdomen extensively grey dusted 2.0 mm ..... **acklandi** Chvála
- Head shining black or dark brown, occiput faintly dusted Palpi smaller, dark with dark bristles Abdomen dusted or shining black ..... **9**
- 9: Brown wing bands more broadly connected along costa, hyaline middle stripe reaching only to first posterior cell (Cell R5) No hyaline patch in submarginal cell (Cell R3) ..... **9A**
- Hyaline middle stripe reaches as far as submarginal cell (Cell R3), which also has a small hyaline patch ..... **10**
- 9A Male genitalia large & globular; F<sub>2</sub> of male with shallow excision near base beneath Legs yellowish (esp F<sub>3</sub> at base)..... **costalis** (von Roser) (= *submorio* Collin)
- Male genitalia small & rather conical; F<sub>2</sub> of male without excision or tubercle near base beneath Legs darker brown..... **calcarata** (Stroble)
- 10: Legs paler, hind femora yellow at base Fore femora with fine pale hairs Segment 2 of mid tarsi slightly more than half length of metatarsus Hind margin of male 6th tergite with long dark hairs at middle only 1.8 – 2.3 mm..... **connexa** Meigen  
[note:- *edenensis* is near here; occiput shining, one large and one very small notopleural, halteres whitish with stems brownish yellow legs with distinct black annulations front femora with single av row of minute dark hairs Tergite 6 with row of long brownish hairs and brush of shorter hairs at sides (actually on sternite)]
- Legs darker, hind femora entirely black Fore femora with small black anteroventral bristles Segment 2 of mid tarsi nearly as long as metatarsus Hind margin of male 6th tergite with long dark hairs in each corner 1.7 – 2.7 mm ..... **morio** (Zetterstedt)
- 11: Hind part of thorax and scutellum with strong black spinose bristles T<sub>2</sub> of male apically with large shovel-like projection..... **12**
- Hind part of thorax and scutellum with normal pale minute bristles only T<sub>2</sub> of male with small pointed projection; legs mainly yellowish; F<sub>1</sub> with dark preapical ring in male, 2.0 – 2.6mm ..... **woodi** (Collin)
- 12: Last 2 pairs of *dc* in front of scutellum large & strong; 4-8 strong *sct* bristles; MT<sub>2</sub> nearly as long as T<sub>2</sub>; F<sub>1</sub> of male yellowish only at tip, in female yellowish on basal 1/3 ..... **umbrarum** Haliday
- Only last pair of *dc* large; only 2 strong *sct*; MT<sub>2</sub> only slightly longer than 0.5 length of T<sub>2</sub>; F<sub>1</sub> of male blackish brown with indistinct yellowish ring anteriorly & below or more yellowish towards

base below; F<sub>1</sub> of female blackish brown along whole length above, somewhat yellowish below or with indistinct yellowish ring at middle ..... **smithi** Chvála