

**Key to the central European species of the *Brachyopa bicolor* guild**

- 1 Length of hairs on arista more than maximum width of arista. Scutum of most species completely or extensively reddish. Postpedicellus with a distinct sensory pit ..... other *Brachyopa* spp.
- Length of hairs on arista less than maximum width of arista. Ground colour of scutum (with exclusion of the postalar callus and the bare part of the supra-alar area) entirely black. Postpedicellus with or without a small sensory pit (figs 3-5) ..... 2

- 
- 2 Wing with distinct dark brown spots at vein r-m and at the distal end of vena spuria. Arista with hairs about as long as maximum width of arista. Apical third or more of f3 black haired on anterior and dorsal surface (in addition to the usual black ventral spinules) ..... *B. maculipennis* Thompson
- Wing without dark spots at r-m and at the distal end of vena spuria. Arista with hairs no longer than half the maximum width of arista (figs 3-5). f3 anteriorly and dorsally at most with sparse black hairs near apex (*Brachyopa bicolor* guild) ... 3
- 3 Notopleuron black haired. Notopleural sulcus not or weakly impressed. Postpedicellus with a distinct sensory pit (at least as large as the maximum width of the arista). Scutellum with a ± strong transverse depression. Vein M strongly curved just before junction with dm-cu (fig. 34). At least T3 with extensive black hairs. Microtrichia of T4 reaching apical half .....  
..... *B. bicolor* (Fallén)
- Notopleuron pale haired or with mixed black and pale hairs. Notopleural sulcus deeply impressed. Postpedicellus without a distinct sensory pit (if a pit is detected at close examination, its diameter is smaller than the maximum diameter of the arista) (figs 3-5). Scutellum without a depression, at most with traces. Vein M slightly curved just before junction with dm-cu (fig. 35). T3 without black hairs or with few black hairs only (some specimens of *B. insensilis*). T4 at most on anterior ¼ microtrichose ..... 4
- 4 Scutellum largely bare of microtrichia except for the anterior margin. Mediotergite almost entirely microtrichose (fig. 22). f3 slender, L/W: ♂ >5, ♀ >5.5. Proepimeron bare. Hypostomal bridge usually with a pair of large, undusted spots anteriorly. ♀ with ± extensively black haired T2 (esp. posteromedially) ...  
..... *B. insensilis* Collin
- Scutellum entirely covered in microtrichia. Mediotergite below subscutellum bare of microtrichia in lower half (figs 20, 21, 23). f3 thicker, L/W: ♂ ≤4.5, ♀ <5. Proepimeron with a few hairs anteriorly. Hypostomal bridge completely dusted. T without black hairs ..... 5
- 5 Scutum with one pair of undusted round spots at the transverse suture (fig. 28). Clypeus slender (L/W 1.8-2.1) (fig. 13). t1-3 and dorsal surface of ta1-3 black haired. Mid coxa posteriorly bare. Hypostomal bridge yellow. Ocellar triangle densely covered in microtrichia, matt (fig. 8). All S entirely dusted .....  
..... *B. bimaculosa* spec. nov.
- Scutum either with a triangular spot bare of microtrichia at the transverse suture (fig. 29) or without a bare spot there. Clypeus more truncate (L/W 1-1.7) (figs 14, 15, 18, 19). t1+3 and dorsal surface of ta1-3 entirely pale haired or at most with few black hairs mixed in. Mid coxa posteriorly with one or a few hairs. Hypostomal bridge blackish. At least centre of ocellar triangle bare of microtrichia, shining black (figs 6, 7). More than half of the surface of S3+4 undusted ..... 6

- 
- 6 Scutum with a pair of triangular spots at the inner ends of the transverse suture bare of microtrichia (shining black) (fig. 29). Face more protruding (fig. 2). Without bare spots posterior to the posterior ocelli (figs 7, 10). Postalar callus entirely microtrichose. Mediotergite below subscutellum microtrichose on upper half (fig. 23). ♂: Apex of t3 ventrally with a narrow, sharp edge across full width (fig. 27) ..... *B. silviae* spec. nov.
- Scutum without such spots. Face less protruding (fig. 1a in Kassebeer 2000a). With a spot bare of microtrichia posterolateral to the posterior ocelli (figs 6, 9). Postalar callus with a spot bare of microtrichia. Median 3/5 of mediotergite below subscutellum with microtrichia restricted to upper margin (fig. 21). ♂: Apex of t3 ventrally with a narrow sharp edge restricted to the posterior 3/4 of the apical margin (fig. 25) ..... *B. grunewaldensis* Kassebeer