

Checklist of the Collembola:

Pictorial key to common surface dwelling species of Collembola from Jersey, UK



This key is still under construction. **Note** that missing figures will be provided as soon as possible. Currently, the key is in the feasibility study phase to find out how to integrate in the checklist in a modular way a key that has been generated with [DELTA](#).

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Preamble

This experimental and macrophotographically illustrated key is intended to key out the most common species from Jersey, Channel Islands, UK, based on habitus inspection of alive specimens in the field using at most a magnification of 5x.

All illustrations courtesy of Tim Ransom.

Key

- 1 (0) . Body elongate..... [2](#)
 Body subglobular..... [19](#)

- 2 (1) . Third antennal segment much longer than other antennal
 segments..... [3](#)
 Third antennal segment subequal to other antennal segments.. [6](#)

- 3 (2) . Third antennal segment subcylindrical (fig.1a)..... [4](#)
 Third antennal segment tapering apically (fig.1b)..... [5](#)



Fig.1.

- 4 (3) . Body colour uniform (fig.2)..... *Tomocerus minor*
 Body colour with distinctly more pale transversal bands
 (fig.3)..... *Tomocerus vulgaris*



Fig.2.



Fig.3.

- 5(3) . Antennae longer than body (fig.4).....
 Pogonognathellus longicornis
 Antennae shorter than body (fig.5).....
 Pogonognathellus flavescens



Fig.4.



Fig.5.

- 6(2) . Body colour not uniform..... [7](#)
 Body colour uniform..... [14](#)
- 7(6) . Abdomen with distinct and broad black or pale transverse band..... [8](#)
 Abdomen without broad transversal black band..... [9](#)
- 8(7) . Abdominal band not preceded by thoracic one (fig.6).....

..... Orchesella cincta
 Abdominal pale band preceded by thoracic pale band (fig.7)...
 Entomobrya albocincta



Fig.6.



Fig.7.

- 9(7). Posterior dorsal markings not u-shaped..... [10](#)
 Posterior dorsal markings u-shaped..... [12](#)
- 10(9). Thoracic markings longitudinal..... [11](#)
 Thoracic markings transversal (fig.8).....
 Entomobrya multifasciata



Fig.8.

- 11(10). Lateral longitudinal markings on thoracic and first abdominal
 segments (fig.9)..... Orchesella quinquefasciata
 Lateral longitudinal markings only on thoracic segments
 (fig.10)..... Orchesella villosa



Fig.9.



Fig.10.

- 12(9) . U-shaped markings continuous (fig.11)..... Entomobrya nivalis
 U-shaped markings discontinuous (fig.12)..... [13](#)



Fig.11.



Fig.12.

- 13(12) . Thorax middorsally marked (fig.13).....
 Entomobrya intermedia [1](#)
 Thorax middorsally unmarked (fig.14)..... Entomobrya intermedia



Fig.13.



Fig.14.

- 14 ([6](#)) . Body colour distinct..... [15](#)
 Body colour whitish..... [18](#)
- 15 ([14](#)) . Body colour intense..... [16](#)
 Body colour pale yellowish (fig.15)..... Entomobrya juvenile



Fig.15.

- 16 ([15](#)) . Body bluish..... [17](#)
 Body greenish (fig.16)..... *Isotoma viridis*



Fig.16.

- 17 ([16](#)) . Antennae long (fig.17)..... *Isotoma caerulea*
 Antennae short (fig.18)..... *Lepidocyrtus cyaneus*



Fig.17.



Fig.18.

- 18(14). Legs and antennae long (fig.19)..... *Heteromurus nitidus*
 Legs and antennae short (fig.20)..... Onychiuridae



Fig.19.



Fig.20.

- 19(1). Body colour patchy brownish or yellowish..... [20](#)
 Body colour uniform green (fig.21)..... *Sminthurus viridis*



Fig.21.

20(19). Dorsal thoracic markings absent (fig.22)... *Dicyrtomina minuta*
 Dorsal thoracic markings present (fig.23).....
 *Dicyrtomina saundersi*



Fig.22.



Fig.23.

Endnotes

¹ Undescribed subspecies with distinct middorsal thoracic markings.

Differential diagnoses

Dicyrtomina minuta

Body subglobular. Body colour patchy brownish or yellowish. Dorsal thoracic markings absent (fig.22).

Dicyrtomina saundersi

Body subglobular. Body colour patchy brownish or yellowish. Dorsal thoracic markings present (fig.23).

Entomobrya albocincta

Abdomen with distinct and broad black or pale transverse band. Abdominal pale band preceded by thoracic pale band (fig.7). Body elongate. Body colour not uniform. Third antennal segment subequal

to other antennal segments.

Entomobrya intermedia

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Posterior dorsal markings u-shaped. Third antennal segment subequal to other antennal segments. Thorax middorsally unmarked (fig.14). U-shaped markings discontinuous (fig.12).

Entomobrya intermedia¹

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Posterior dorsal markings u-shaped. Third antennal segment subequal to other antennal segments. Thorax middorsally marked (fig.13). U-shaped markings discontinuous (fig.12).

Entomobrya juvenile

Body elongate. Body colour distinct. Body colour uniform. Body colour pale yellowish (fig.15). Third antennal segment subequal to other antennal segments.

Entomobrya multifasciata

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Posterior dorsal markings not u-shaped. Third antennal segment subequal to other antennal segments. Thoracic markings transversal (fig.8).

Entomobrya nivalis

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Posterior dorsal markings u-shaped. Third antennal segment subequal to other antennal segments. U-shaped markings continuous (fig.11).

Heteromurus nitidus

Body elongate. Body colour whitish. Body colour uniform. Legs and antennae long (fig.19). Third antennal segment subequal to other antennal segments.

Isotoma caerulea

Antennae long (fig.17). Body elongate. Body bluish. Body colour distinct. Body colour uniform. Body colour intense. Third antennal segment subequal to other antennal segments.

Isotoma viridis

Body elongate. Body greenish (fig.16). Body colour distinct. Body colour uniform. Body colour intense. Third antennal segment subequal to other antennal segments.

Lepidocyrtus cyaneus

Antennae short (fig.18). Body elongate. Body bluish. Body colour distinct. Body colour uniform. Body colour intense. Third antennal segment subequal to other antennal segments.

Onychiuridae

Body elongate. Body colour whitish. Body colour uniform. Legs and antennae short (fig.20). Third antennal segment subequal to other antennal segments.

Orchesella cineta

Abdomen with distinct and broad black or pale transverse band. Abdominal band not preceded by thoracic one (fig.6). Body elongate. Body colour not uniform. Third antennal segment subequal to other antennal segments.

Orchesella quinquefasciata

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Lateral longitudinal markings on thoracic and first abdominal segments (fig.9). Posterior dorsal markings not u-shaped. Third antennal segment subequal to other antennal segments. Thoracic markings longitudinal.

Orchesella villosa

Abdomen without broad transversal black band. Body elongate. Body colour not uniform. Lateral longitudinal markings only on thoracic segments (fig.10). Posterior dorsal markings not u-shaped. Third antennal segment subequal to other antennal segments. Thoracic markings longitudinal.

Pogonognathellus flavescens

Antennae shorter than body (fig.5). Body elongate. Third antennal segment much longer than other antennal segments. Third antennal segment tapering apically (fig.1b).

Pogonognathellus longicornis

Antennae longer than body (fig.4). Body elongate. Third antennal segment much longer than other antennal segments. Third antennal segment tapering apically (fig.1b).

Sminthurus viridis

Body subglobular. Body colour uniform green (fig.21).

Tomocerus minor

Body elongate. Body colour uniform (fig.2). Third antennal segment much longer than other antennal segments. Third antennal segment subcylindrical (fig.1a).

Tomocerus vulgaris

Body elongate. Body colour with distinctly more pale transversal bands (fig.3). Third antennal segment much longer than other antennal segments. Third antennal segment subcylindrical (fig.1a).

References
