

Collembola - Springtails

Tiny wingless arthropods that are often very abundant in the leaf-litter, feeding on fungi etc.; formerly treated as insects. The few species recorded in Fife (out of about 250 in Britain) mostly derive from Carpenter & Evans (1899): *The Collembola and Thysanura of the Edinburgh District. Proceedings of the Royal Physical Society of Edinburgh* 14: 21-166, supplemented by others added by Evans to his copy of that work. Names have been updated to follow Hopkins, S. (2000): *A key to the springtails of Britain and Ireland*, test version, Field Studies Council. Very little recording has been done in recent years.

Update/Revision History: Revised by Gordon Corbet May 2006.

Arthropleona – elongate springtails

Hypogastruridae

Hypogastrura purpurescens. Otterston Loch, as *Achorutes purpurescens*.

Hypogastrura viatica. Torryburn, as *Achorutes viatica*.

Xenylla humicola. Aberdour, Dumbarnie Links, abundant on tideline.

Xenylla maritima. Kirkcaldy, under bark.

Neanuridae

Anurida granaria. Aberdour.

Anurida maritima. Aberdour, St Andrews; in rock pools on shore.

Anurida thalassophila. Torryburn.

Friesia mirabilis. Coastal, as *Triaena mirabilis* and *F.poseidonis*.

Neanura muscorum. Widespread. Woodland and dunes.

Entomobryidae

Entomobrya albocincta. Kirkcaldy, under bark.

Entomobrya marginata. I of May.

Entomobrya multifasciata. Burntisland, I of May.

[*Entomobrya muscorum*. Three sites; doubtful species.]

Entomobrya nivalis. Dunfermline, Kirkcaldy, Tentsmuir; on trees.

Lepidocyrtus cyaneus. Tentsmuir, Thornton.

Lepidocyrtus lanuginosus. Widespread in woodland litter.

Heteromurus nitidus. Burntisland, Culross, Kirkcaldy, as *Templetonia nitida*.

Orchesella cincta. Widespread.

Orchesella villosa. Widespread.

Pseudosinella decipiens. Culross, as *P.handschini*.

Onychiuridae

Mesaphorura krausbaueri. Tentsmuir, the dominant springtail on the dunes; as *Tullbergia krausbaueri*.

Onychiurus ambulans. Aberdour, N Queensferry.

Onychiurus edenensis. In waterlogged fields.

Protaphorura armata. S coast; as *Onychiurus armatus*.

Isotomidae

Anurophorus laricis. Cullaloe, I of May, in moss.

Archisotoma besselsi. Aberdour, on tideline, as *Isotoma spitzbergenensis*.

Folsomia candida. Tentsmuir.

Folsomia quadrioculata. Culross, I of May.

Folsomia sexoculata. Culross, Torryburn, as *F.thalassophila*.

Isotoma maritima. Aberdour, Culross, on tideline.

Isotoma prasinus. Dumbarnie Links, Lielowan Meadow.
Isotoma sensibilis. Cullaloe, Thornton, woodland.
Isotoma tigrina. Thornton, woodland, as *I.grisescens* and *I.olivacea*.
Isotoma viridis. Widespread.
Isotomurus palustris s.l. Widespread, wetland, as *Isotoma palustris*.
Vertagopus arboreus. Thornton, in *Sphagnum*; 1 of May; as *Isotoma arborea*.
Vertagopus cinerea. Cullaloe, under bark of dead spruce, as *Isotoma cinerea*.

Tomoceridae

Tomocerus longicornis. Dumbarnie Links, Tentsmuir, dunes.
Tomocerus minor. Widespread, some as *T.tridentiferus*.

Symphyleona – short-bodied springtails

Sminthuridae

Bourletiella arvalis. Inverkeithing, on banks of stream, as *Sminthurus luteus*.
Bourletiella hortensis. Otterston.
Sminthurides aquaticus. Burntisland Reservoir.
Sminthurides malmgreni. Otterston Loch, aquatic.
Sminthurus viridis, Lucerne flea. Widespread; a pest of pasture plants.
Stenacidia violaceus. Otterston, as *Sminthurus violacea*.
Dicyrtoma fusca. Aberdour, Culross, as *Papirius cursor*.
Dicyrtomina minuta. Widespread in grassland, some as *Papirius minutus*. *Dicyrtomina ornata*. Widespread, some as *Papirius ornatus*.