Identifying soldierflies and allies: bee-flies in genus *Bombylius*

Compiled by Martin C. Harvey for the Soldierflies and Allies Recording Scheme

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These guides are only possible thanks to the generosity of the brilliant photographers who have allowed their images to be used. Special mention must be given to Malcolm Storey and Steven Falk, whose photo collections form the backbone for most of the species guides:

Malcolm Storey's Biolmages website - Steven Falk's photo collections on Flickr

Other photographers included in this guide are Geoffrey Foale, IronChris, Jane Adams, Martin Harvey, Peter Andrews and Robin Williams.

This guide is arranged differently from the others – rather than being in alphabetical order, it is in order of flight period, starting from the early spring. Males and females are similar and there is just one page for each species. Distribution maps are taken from the recording scheme's **provisional atlas** (Harvey 2017).

As far as possible, these guides show features that can be seen on live insects in the field, or are likely to be visible in photographs. For comprehensive identification keys and species accounts see <u>British soldierflies and their allies</u>, by Alan Stubbs and Martin Drake. See also the recording scheme's <u>additional notes</u> to accompany the Stubbs and Drake keys.

For lots more information on soldierflies and allies go to the recording scheme <u>website</u>, <u>Twitter</u> page or <u>Facebook</u> group.

For lots more information and events, and to support the study and conservation of flies, please consider joining Dipterists Forum.

Records wanted!

Once you have identified your fly, please let the recording scheme have the details!
Add to <u>iRecord</u> or send to the <u>recording scheme</u> so that we can share the records for conservation and research.

The Soldierflies and Allies Recording Scheme is supported by the UKCEH Biological Records Centre



The Soldierflies and Allies Recording Scheme is part of Dipterists Forum



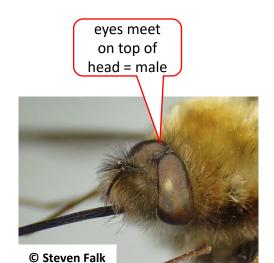
Recognising the genus: Bombylius

There are four species of bee-fly in genus *Bombylius*, including perhaps the recording scheme's most familiar fly: the Dark-edged Bee-fly *Bombylius major*. Males and females have similar markings (males have eyes meeting at the top of the head, females have a gap between the eyes, but this can be hard to see among all the hairs!).

All four species have a long proboscis ('tongue') extending forward from the head, which they use to feed on nectar from flowering plants, often doing so while hovering over the flowers. They lay their eggs into the nests of solitary bees, where the bee-fly larvae prey on the bee larvae.

When identifying bee-flies, beware of freshly emerged individual that may not yet have developed their full wing markings; and old, worn individuals that may have lost a lot of hair and end up looking uncharacteristic

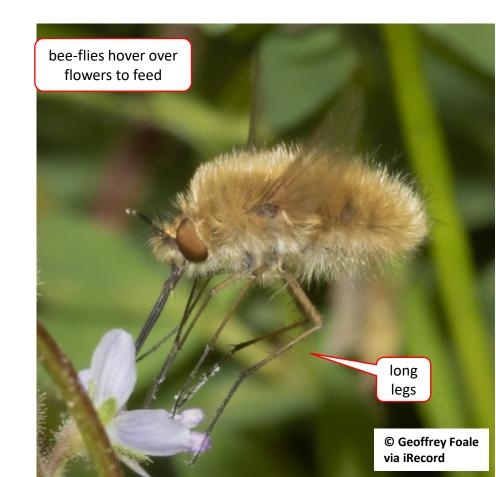






The Dark-edged Bee-fly is by far the most frequently seen species, and the first to emerge in March or even February. It is a familiar feature of early spring in gardens as well as countryside. In the south Dotted Bee-fly can also be numerous in suitable places from March to June.

The other two species are rarer and emerge later: the Western Bee-fly from May to August in a mix of habitats in western England and Wales, and the Heath Bee-fly from July to August, specialist of heaths and confined to Dorset and the Isle of Man.



Bee-fly look-alikes

Every year we get a few records sent in as "bee-flies" that are in fact not flies at all! These are the most commonly confused species.

