Bee Identification for Ohio

How to Identify A Bee:

- Two ways:
 - Gut feeling (gestalt)
 - Faster, perhaps more prone to error
 - Characters that are used by taxonomists to ID a species
 - Slower, more certain that you are correct at the end.
- A combination of the two is ideal
 - Get a sense of which be it might be, narrow it down to one or two.
 - Verify with trickier features.

The Grim Reality:

Identifying many bees to species is difficult, even for trained experts.

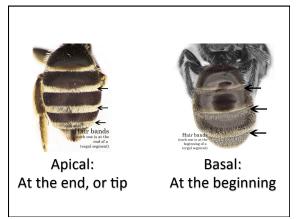
Be happy with genus in most cases.

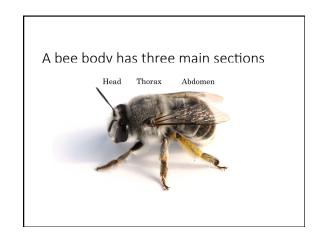
The goal of today is to develop the gestalt, and introduce some of the easier characters.

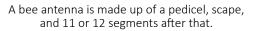
Words you find in bee identification keys

Ventral: Under side

Dorsal: Topside





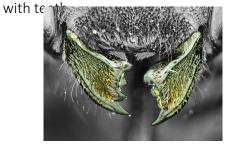




Bees are grouped by whether they have 'short' or long tongues.



Bees have mandibles instead of jaws,

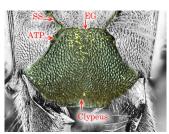


Bees have five eyes, three on top (simple), two on the side (compound)

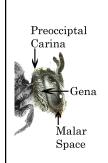




A bee face has a big plate called the clypeus



SS = Subantennal suture ATP = Anterior tentorial pits EG = Epistomal groove



Bees have cheeks (malar space), and jawlines (gena), and a back to their heads (preoccipital carina).

