

**WASPS AND BEES (Hymenoptera)**

Bees differ from wasps in being more hairy, with the body hairs branched, more robust, and the 1st segment of the hind tarsi is usually elongate and flattened.

**SPHECID WASPS, Family Sphecidae** p. 350

Pronotum *short and collarlike*, with a small rounded lobe on each side that does not reach tegula.

MUD-DAUBER, *Sceliphron caementarium* (Drury); N. America.

SAND WASP, *Bembix spinolae* Lepeltier; e. N. America.

THREAD-WAISTED WASP, *Sphex procerus* (Dahlbom); N. America.

**HALICTID BEES, Family Halictidae** p. 356

Pronotum as in sphecid wasps; jugal lobe in HW as long as or longer than submedian cell; basal vein arched.

*Augochloropsis metallica* (Fabricius); e. N. America.

**SPIDER WASPS, Family Pompilidae** p. 346

Long-legged, wings not folded longitudinally at rest; pronotum in side view more or less triangular, extending to tegula or nearly so; mesopleura with a transverse suture; 1st discoidal cell in FW *not unusually long*.

*Anoplius marginalis* (Banks); e. N. America.

**LARGE CARPENTER BEES,** p. 360

Family Apidae, Subfamily Xylocopinae

Large, robust, blackish, resembling bumble bees; 2nd submarginal cell in FW triangular; dorsal surface of abdomen *bare and shining*; HW with a small rounded jugal lobe.

*Xylocopa virginica* (Linn.); e. U.S.

**BUMBLE BEES,** p. 360

Family Apidae, Subfamily Apinae, Tribe Bombini

Robust, hairy, generally 15-25 mm., and black with yellow (rarely orange) markings; 2nd submarginal cell in FW *somewhat rectangular*, about as long as 1st; upper surface of abdomen *hairy*; HW without a jugal lobe.

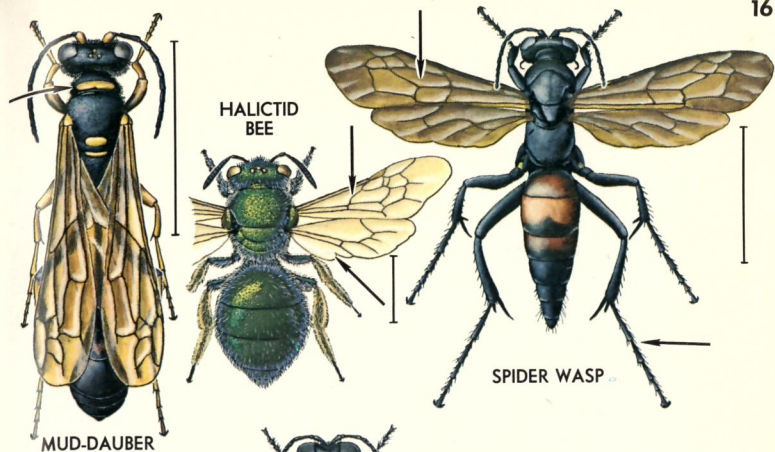
*Megabombus pennsylvanicus* (De Geer); N. America.

**VESPID WASPS, Family Vespidae** p. 346

YELLOWJACKETS & HORNETS, Subfamily Vespinae p. 348

Wings *folded longitudinally* at rest; pronotum in side view triangular, reaching tegula; 1st discoidal in FW *very long*; middle tibiae with 2 spurs at tip; HW without a jugal lobe.

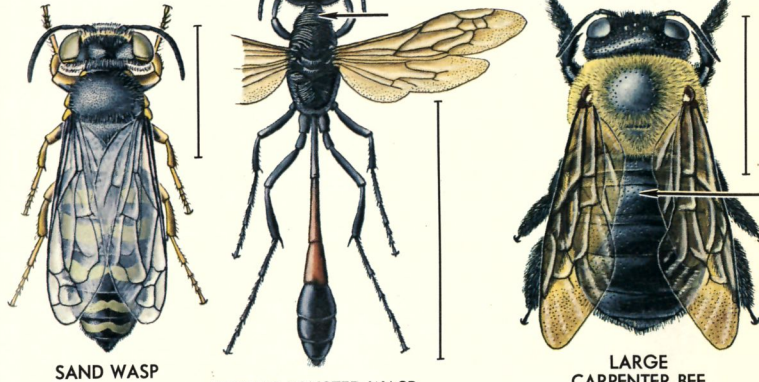
*Vespula maculifrons* (Buysson); e. N. America.



MUD-DAUBER

HALICTID BEE

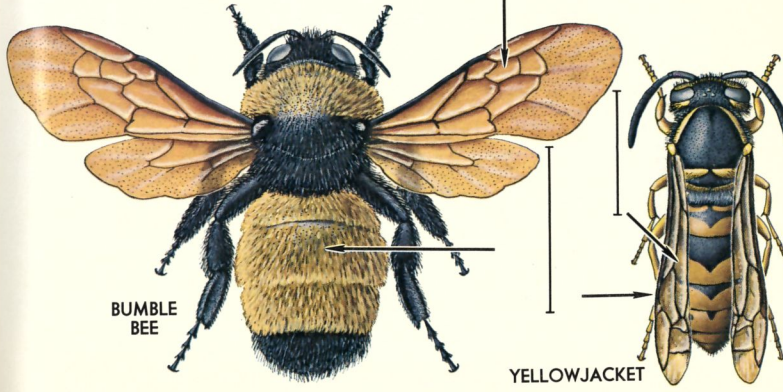
SPIDER WASP



SAND WASP

THREAD-WAISTED WASP

LARGE CARPENTER BEE



BUMBLE BEE

YELLOWJACKET