***Chelostoma*** (Megachilidae) of the tallgrass prairie region and greater Midwest

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**Females:**

**1.** Occipital carina present on upper half of gena and behind vertex; T1-T4 with dense white apical fascia; dorsal surface of propodeum with posterior margin poorly defined; introduced species known from several large Midwest metropolitan areas; primary oligolege of *Campanula*………***rapunculi*** (Lepel.)

Occipital carina absent; T1-T4 without apical fascia; dorsal surface of propodeum with its posterior margin clearly defined by a weak carina……………………………………………………………………………………….**2**

**2.** Labrum with a large apical tubercle projecting perpendicularly to the plane of the labrum; midbasitarsis long, its length x width about 10:1, hairs on the segment all simple; vertex elevated above ocelli by about one ocellar diameter (in facial view); native species, on mock orange *(Philadelphus*) and numerous other spring and early summer flowers………………………………………..***philadelphi*** Robertson

**[Note**: there may be two species involved, the mock orange specialist being the true *philadelphi*, the other being an un-named pollen generalist species that visits many other plants and occurs in areas where mock orange is absent, and whose flight period exceeds the blooming period of mock orange.]

Labrum with apex simple, without any tubercle or projection; midbasitarsis shorter, its length x width about 5:1, hairs on the segment all plumose; vertex flat, not elevated in facial view; primary oligolge of *Campanula;* introduced species known from several large Midwest metropolitan areas

……………………………………………………………………………………………………………….....***campanularum*** (Kirby)

**Males:**

**1.** Occipital carina present; T7 apically truncate; S3 medio-apically with a pair of small patches of very short dark setae; introduced species known from several large metropolitan areas; primary oligolege of *Campanula*.............................................................................................................***rapunculi*** (Lepel.)

Occipital carina absent; T7 bidentate apico-medially; S3 without small dark setae patches medio-apically

……………………………………………………………………………………………………………………………………………………**2**

**2.** Flagellar segments 2-4 twice as long as broad or slightly longer; T7 apically with 2 medial teeth which are bordered by two lateral angles; native species, on mock orange *(Philadelphus*) and numerous other spring and early summer flowers………………….…………………………………..***philadelphi*** Robertson

**[Note**: there may be two species involved, the mock orange specialist being the true *philadelphi*, the other being an un-named pollen generalist species that visits many other plants and occurs in areas where mock orange is absent, and whose flight period exceeds the blooming period of mock orange.]

Flagellar segments 2-4 about as long as broad or slightly shorter; T7 apically bidentate, without any lateral teeth, angles or projections; primary oligolge of *Campanula;* introduced species known from several large metropolitan areas……………………………………………………………...***campanularum*** (Kirby)

**References:** Eickwort 1980; Buck, Paiero and Marshall, 2005