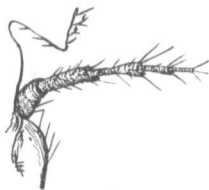


NOTES ON THE GENUS *OSMIA*.

BY E. S. G. TITUS, URBANA, ILLINOIS.

The maxillary palpi of *Osmia* (sens. lat.) are given by most authors as *four-jointed*. I have examined the maxillary palpi of sixteen species in this group, and find in every instance that these palpi are *five-jointed*. The first joint is usually small, sometimes globular in shape, and visible with a hand-lens only under very favorable conditions. The following species were examined: From the coll. of the State Agr'l College of Colorado—*O. armaticeps*, Cr.; *Coloradensis*, Cr.; *dubia*, Cr.; *fulgida*, Cr.; *integra*, Cr.; *lignaria*, Say, and *mandibularis*, Cr., all from Colorado.



Maxillary palpus
of *Osmia*— $\times 60$.

FIG. 9.

From the U. S. Nat. Museum—*O. abjecta*, Cr. (Calif.); *albiventris*, Cr. (Can.); *armaticeps*, Cr. (Colo.); *Californica*, Cr. (Calif.); *chalybea* (Fla.); *cobaltina*, Cr. (La.); *densa*, Cr. (V. I.); *distincta*, Cr. (Penn.); *dubia*, Cr. (Colo.); *lignaria*, Say (Kans., Ga.); *integra*, Cr. (Colo.), and *marginipennis*, Cr. (La.). From the collection of Mr. Wm. H. Ashmead—*O. Californica*, Cr. (Wash.); *chalybea* (Wash.); *cobaltina*, Cr. (La.); *distincta*, Cr. (Wis.). From Ohio University—*O. chalybea*, Sm., and *lignaria*, Say; also a few other specimens from various places—*O. chalybea*, Sm. (N. J.); *albiventris*, Cr. (Penn.); *lignaria*, Say (Wis., Penn.), and *megacephalus*, Cr. (Penn.).

I wrote to Prof. Cockerell regarding these facts, and under date of May 20, 1901, he replies: "*I hasten to assure you that Osmia has 5-jointed maxillary palpi. * * * To make the thing doubly sure, my wife and I just now examined the maxillary palpi of the following species, and they are all 5-jointed: O. lignaria, O. cornuta (Europe), O. phenax, O. albiventris, O. Kincaidii, O. brevis, O. calla, O. nanula.*"