

on the side with head up. Number three pupated July 11th, on the side of the box, head up; number four changed July 14th, suspended from the top the same as number one, all of them at an angle with the object to which they were attached, as is usual with *Papilio*. Numbers one and three produced imagines July 15th and 29th, or after a pupal period of fifteen and sixteen days respectively. August 4th, numbers two and three remained unhatched, having remained in this state thirty-six and twenty-four days, and they presented no indications of hatching. At this time I turned the box on its side, so that the heads were suspended downward instead of pointing upward. August 7th both produced perfect imagines.

Among my captures of *Catocala* this season in this vicinity, are *C. marmorata* Edw., *C. sappho* Streck., and *C. delilah* Streck., on white oak trees, the last June 29th, the second July 18th and 19th, and the first September 7th.

DESCRIPTIONS OF NEW ICHNEUMONIDÆ.

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Genus MESOSTENUS Grav.

MESOSTENUS NUBILIPENNIS.—♀: Black; anterior orbits, lower part of cheeks, spot on middle of face, most of clypeus and labrum, spot on mandibles, annulus on antennæ, line on sides of collar, spot on each side of prothorax above, spot on disk of mesothorax, most of scutellum, dot on post-scutellum, tegulæ, spot beneath, spot on sides of pleura, spot on each side behind posterior wing, two elongate marks on metathorax behind covering the prominent, obtuse and transversely compressed tubercles, the four anterior coxæ, spot on posterior pair above, annulus at base of posterior tibiæ, extreme base and apex of the first joint of posterior tarsi, the second, third and fourth joints entirely, and the apical margin of segments 1-6 of abdomen, all white; front unarmed; thorax opaque; mesothorax confluent punctured; metathorax reticulated; wings hyaline, with a fuliginous cloud beneath stigma, areolet quadrate, closed; legs fulvous, extreme tips of posterior femora, their tibiæ except white annulus near