

discal mark. *Expanse* 23 mil. Colorado Rio (Prof. Glover); Arizona (Mr. Hy. Edwards). The shorter labial palpi and the wings narrower at base may distinguish this species generically. I regret not to know the male, which would decide the genus.

*Deilinia glomeraria* Grote.

In a letter, with regard to the species of *Deilinia* described in the March number of *Papilio*, Mr. G. R. Pilate says: "I have the male of *glomeraria* and it is not different from the female, the antennae are not pectinated. I find I have no males of *septemfluaria*. They are both common insects early in the spring, before the leaves are out, but are difficult to catch, as they are disturbed by the slightest noise and fly with the wind, which generally blows pretty hard at that time of the year. I have seen them go up out of sight." Dr. Packard, to whom I submitted these species, stated that he thought he had seen specimens of *glomeraria* from a different locality, but neither species is apparently included in his work on the family.

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## ON SOME NEW SPECIES OF CHALCIDIDÆ FROM FLORIDA.

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### Group Eurytomides.

EURYTOMA VAGABUNDA, n. sp.—♀. Length .10 inch. Deep black. Head and thorax coarsely punctate; antennæ 8-jointed, black and pubescent; eyes black; thorax black, very coarsely punctate, collare transverse quadrate, parapsidal grooves indistinct, scutellum hardly separated from the praescutellum, convex, narrowing but rounded posteriorly; metathorax coarsely punctate; abdomen black, smooth, and highly polished, peduncle short, a series of very fine punctures along the basal margin of 2nd, 3rd and 4th segments, only perceptible with a high power, tip pubescent; wings hyaline, iridescent; veins slightly yellowish, no stigmal spot; legs reddish yellow, tibiæ slightly paler, feet pale.

Captured on Spanish Bayonet (*Yucca* sp.)

DECATOMA FLAVA, n. sp.—♂ and ♀. Length .12 to .15 inch. Head, thorax, abdomen, antennæ and legs a bright greenish yellow; head and thorax rather coarsely punctured; ocelli brown, eyes light brown with



darker spots; 2nd antennal joint slightly reddish; tips of mandibles brown, palpi whitish; wings hyaline, iridescent, ligaments of wings brown, stigma brown black, a large dark blotch extending from stigma across to near the hind margin, and in some specimens a slight indication of another blotch between this and base of the wing; abdomen smooth and shining, very slightly infuscated on dorsum; a brown spot at base of posterior coxæ; outer surface of posterior femora dark brown excepting at base and tip, inner surface more of a reddish brown.

Described from 8 specimens, 2 ♀ and 6 ♂, bred from an oak gall (*Cynips q. ficus* Fitch?)

DECATOMA QUERCI, n. sp.—♂. Length .12 inch. Head green, slightly yellowish and coarsely punctate, vertex enclosing ocelli brownish black, mandibles tridentate, tipped with black, gula black; eyes greenish brown with darker spots; antennæ 7-jointed, pubescent, greenish yellow, 3rd joint dark; thorax coarsely punctate and slightly hairy; collare transverse quadrate, but broader than mesonotum, greenish yellow, with a slight darker transverse band of brown in centre; mesonotum, scutellum and metathorax dark reddish brown; parapsidal grooves indistinct; scutellum longer than broad and posteriorly rounded; abdomen smooth, shining black or brownish black, more or less of a reddish brown anteriorly, peduncle two-thirds as long as abdomen, black; wings hyaline, veins hyaline, stigma black, with a brownish black blotch extending from it to more than half way across the wing; legs, anterior pair greenish yellow, middle tibiæ infuscated, posterior tibiæ brownish black, tarsi black.

Raised from a dipterous gall on *Quercus Catesbæi*.

DECATOMA LANÆ, n. sp.—♀. Length .08 to .10 inch. Honey yellow. Head finely punctate, thorax coarsely punctate; a small black spot on vertex hardly enclosing ocelli, the latter yellowish; tip of mandibles black; antennæ 8-jointed, honey yellow and gradually increasing in size to tip; collare narrow; scutellum somewhat oval, narrowed anteriorly and with the disk brown; abdomen yellowish red, dorsum infuscated, peduncle short, posteriorly brown or black; wings hyaline, stigma black and the blotch smoky and hardly extending half way across the wing; legs yellowish, posterior tibiæ only black or brownish black.

♂. Differs very little from above excepting in size, a longer peduncle and in antennæ being but 7-jointed.

Described from numerous specimens raised from a woolly gall (*Cynips q. Turnerii* Ashmead) on *Quercus aquatica*.



DECATOM PHELLOS, n. sp.—♂. Length .10 inch. Head brown black, finely punctate; eyes greenish brown; antennæ 7-jointed, scape and joints 3 and 4 dark, balance rufous, thorax dark brown, coarsely punctate; collare broader than mesonotum, beneath reddish brown, parapsidal grooves almost obliterated; scutellum convex, coarsely punctate; abdomen smooth, black and shining, peduncle brownish, hardly the length of abdomen; wings hyaline, veins slightly yellowish; stigma black, smoky blotch beneath extending more than two-thirds across the wing; legs honey yellow, coxæ dark, middle femora and tibiæ slightly darker, posterior femora and tibiæ brown black.

Raised from gall on *Quercus phellos*.

DECATOMA FOLIATÆ.—♀. Length .10 inch. Head black, coarsely punctate; eyes brown; antennæ 9-jointed, brownish, sparsely pubescent; scape yellowish, last three joints somewhat connate; thorax coarsely punctate, collare attenuated and a beautiful orange yellow; some specimens have only the corners so colored; abdomen brownish black, smooth and shining; wings hyaline, veins almost hyaline, slightly yellowish, a large black circular stigma with tip of stigmal vein protruding, iridescence strongly defined on hinder wings, the whole outer margin sometimes being a beautiful violaceous; legs a beautiful bright orange yellow, with tarsi and feet slightly paler and posterior coxæ black.

♂. Length .08 inch; 2nd joint antennæ larger, scape black, corners of collare orange yellow, peduncle two-thirds as long as abdomen, coxæ black, stigma spot somewhat triangular; palpi and labrum yellowish white; otherwise same as ♀.

Described from numerous specimens raised from leafy live oak gall, *Cynips q. foliata* Ashmead.

DECATOMA BATATOIDES, n. sp.—Length .15 of an inch. This species in punctation and shape very much resembles *D. foliatæ*, but may be easily distinguished by the following differences: In size; eyes, face and antennæ brown, mouth parts and palpi yellowish, coxæ and legs a uniform lemon yellow, collare and mesothorax lemon yellow, sternum black, sutures of parapsides yellowish, posterior margin of scutellum yellowish and stigma a mere dot.

Described from several specimens bred from the live oak potato gall, *Cynips q. batatoides* Ashmead.



Ashmead, William H. 1881. "On some new species of Chalcididae from Florida." *The Canadian entomologist* 13, 134–136.

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