

narrowed towards the front, and is marked with a curved line on each side of the disc; and the elytra are not always margined, but have at least the shoulder black. The Chontales specimens are all of the smallest size, the Chiriqui ones larger.

The figure is taken from a female specimen from Chontales.

18 (B). *Chauliognathus sticticus*.

Angustus, pallide testaceus; elytris dilute fuscescentibus; antennis, palpis, occipitis macula antice bifurcata, femoribus externe, tibiis tarsisque nigricantibus; prothorace angusto, longitudinaliter trisulcato, maculis tribus irregularibus fasciam transversam undulatam præbentibus, nigris, macula intermedia sæpe obsoleta. Long. 9-11 millim. ♂ ♀.

Mas. Segmento octavo ventrali convexo testaceo, nitido.

Hab. PANAMA, Bugaba, David, Caldera in Chiriqui, San Feliz, Tolé, Volcan de Chiriqui (*Champion*).

18 (c). *Chauliognathus sagittarius*.

Pallide testaceus; capitis basi, antennis, palpis, thoracis lineola mediana sagittiformi, genibus, tibiis tarsisque nigris, elytrorum marginibus lateralibus in medio infuscatis; elytris corporis longitudine, postice attenuatis. Long. 8-10 millim. ♀.

Hab. PANAMA, Volcan de Chiriqui 2500 to 4000 feet (*Champion*).

Allied to *C. submarginatus*; but in addition to the difference of the thoracic mark (which is somewhat wedge-shaped and placed in the middle of the disc, reaching neither the front nor hind margins), the second and third joints of the antennæ are both very short, the third joint being only a little longer than the second, a character I have not observed in any of the allied species.

I have only seen three specimens of this species.

Chaliognathus lituratus (p. 74).

To the localities given, add:—PANAMA, Volcan de Chiriqui (*Champion*).

Chauliognathus nigriceps (p. 74).

To the localities given, add:—NICARAGUA, Chontales (*Janson*).

A single example from this locality has the front margin of the thorax black.

22 (A). *Chauliognathus pardalinus*.

Testaceus; elytris fuscescentibus; capite magno ochraceo, maculis quatuor (duabus basalibus, duabus inter oculos) nigris; prothoracis littera M, antennis, palpis, femoribus externe, tibiis tarsisque nigris. Long. $11\frac{1}{2}$ millim. ♂ ♀.

Hab. PANAMA, Bugaba (*Champion*).

Two specimens only have been found at present of this remarkably distinct species. It is allied to *C. emaciatius* in the shape of its head, which is large, and not suddenly narrowed behind, with two large oblique spots on the base, partly hidden by the prothorax, and two large irregular but rather squarish spots between the eyes.