

## 2. *Philogenia terraba*, sp. n. (Tab. V. figg. 8, 9.)

♂. Predominant colour on head and thorax in the dried specimen brownish-yellow with the following parts or markings otherwise: labrum, bases of mandibles, first antennal joint, mentum, and a small spot to the outer side of each ocellus bright yellow (rear of head pale blue in life?); an inferior lateral spot on prothorax above first coxa, mid-dorsal thoracic carina, a mesepimeral stripe continued on to the mesinfraepisternum, a metepisternal stripe bordering the second lateral thoracic suture anteriorly, a triangular spot widest superiorly and covering most of the metepimeron, black.

Abdominal segments 1-6 brown, 7-10 blackish; most of dorsum of 1, a lateral longitudinal line on each side of 2-6, much shorter relatively to the length of the segments on 4-6, a narrow transverse basal ring on 3-6, and a mid-dorsal longitudinal line on 3 yellow, 9 pruinose dorsally.

Superior appendages nearly twice as long as segment 10; in profile view convex superiorly, inferiorly with a triangular tooth-like projection from the inner surface of the appendage at one-half length, apex rounded and obtuse. Inferior appendages very little shorter than the superiors, bent toward each other in the apical third, which is much more slender than the basal two-thirds; at about three-fourths length is a very distinct supero-internal tooth.

Legs pale luteous. Wings colourless, costal edge of stigma of front pair 2 mm., of hind pair 2.5 mm. long, stigma surmounting 4 cells and parts of two others or less; 25-26 postcubitals on the front pair, the nodal sector arising at the sixth or seventh; 22 on the hind pair, nodal sector arising at the sixth or seventh; two antenodal cells except on the right front wing.

*Dimensions*.—Abdomen 39, hind wing 32 mm.

*Hab.* COSTA RICA, Pacuare del Sur (*coll. Adams*: 1 ♂).

Taken January 19, 1897, at 600 metres elevation.

This is the specimen briefly mentioned on page 62, *antea*. The specific name is that of a tribe of Southern Costa Rica.

A female from Surubres, Costa Rica (*Biolley, A. N. S.*), may belong here; I am unable to find constant differences between it and the females referred to *P. carrillica*, unless its uncoloured wings be such.

## 3. *Philogenia carrillica*, sp. n. (Tab. VII. figg. 6, 7, 12.)

♂. Head blackish; labrum, bases of mandibles, mentum, and rear of head pale (blue in life?). Thorax as described for *P. terraba*, but with the addition of a metallic-green stripe on each side of and parallel to the mid-dorsal carina, the stripe about twice as wide as the carina, from which it is separated by an interval as wide as the carina itself; pectus, metapleuron, and coxæ lightly pruinose. Abdomen as described for *P. terraba*, the colours darker, 10 also pruinose dorsally.

The above are the colours of the Juan Viñas example. One badly-flattened male from Carrillo is evidently younger, has head and thorax as above, but without any pruinose on any part of the body, the ninth abdominal segment being pale (blue?) dorsally.

In the oldest example before me, from Carrillo, which has been figured as the type of the species, the colour-changes are that the thorax is chiefly dull dark metallic-green, leaving only the humeral and lateral sutures paler, the pectus yellowish; more pruinosity on the inferior parts of the thorax, the apex of segment 8, and the whole dorsum of 9 and 10; the yellow abdominal markings more reduced.

Superior appendages twice as long as segment 10; in profile view with a large convex inferior prolongation of the inner surface, terminal third tapering to a fairly acute apex. Inferior appendages subequal in length to the superiors, diverging from each other except for the terminal fifth, which is bent inward and upward as a lamella but without any anteapical tooth.

Wings colourless, except for an apical smokiness for the width of one cell in the oldest example.

♀. Head and thorax pale reddish-brown; vertex, frons, nasus, labrum, labium (except mentum and submentum), spots and stripes on prothorax and thorax as described for *P. terraba*, black. Abdominal segments 1 and 2 pale brown, remainder of abdomen as described for *P. terraba*, but most of the dorsum of 8 and 9 pale; a little pruinosity on the ventral surfaces of thorax and abdomen.

Legs pale brown, wings pale dirty brown.