

3. *Phalacromyia bellula*, sp. n., ♂.

In structure like *Volucella vesiculosa*, Fabr., or *V. pallens*, Wiedem., except that the marginal cell is narrowly open. Eyes pilose, with enlarged facets above. Face and front obscure yellowish-red; cheeks with a narrow brownish stripe. Antennæ luteous or reddish-yellow. Mesonotum deep brown, with metallic purple and bluish reflections and a yellowish translucency; pile black. Abdomen small, flat, deep brownish-black, the base somewhat yellowish-translucent. Legs brown or brownish-black; hind metatarsi yellow. Wings tinged with brownish-yellow.

Length 6-7 millim.

Hab. MEXICO, Temax in North Yucatan (*Gaumer*).

Two specimens.

A female from Teapa (*H. H. Smith*) has narrow clouds in the central cross-veins of the wings, the face and antennæ rather darker-coloured, and the bristles of the thorax and scutellum more strongly developed.

4. *Phalacromyia vaga*.

Volucella vaga, Wiedem. Aussereur. zweifl. Ins. ii. p. 205¹.

Phalacromyia vaga, Schiner, Reise der Novara, Diptera, p. 355.

Hab. MEXICO, Xucumanatlan in Guerrero 7000 feet (*H. H. Smith*).—SOUTH AMERICA, Brazil¹.

A female specimen from Xucumanatlan I believe to be of this species, though there are certain differences from the description. The front is green rather than yellow; the tip of the scutellum is only a little blackish, and has no impression (as one would infer is the case from Schiner's remarks); the femora are not "grünlich;" and there are narrow brown clouds on the cross-veins at the middle of the wing. Another female specimen, while agreeing closely with the foregoing in other respects, has the front and median facial stripe deep black; it is from Irazu, Costa Rica (*Rogers*).

5. *Phalacromyia virescens*, sp. n., ♀.

Face and front light yellowish-green; cheeks more yellow, with a narrow brown stripe. Front narrow; the crescentic spaces very narrow. Antennæ more than a third of the length of the face, light reddish-yellow; third joint not excised; arista well plumose, more than twice the length of the third joint. Face projecting downward and forward, resembling that of *Volucella pallens*, Wiedem.; strongly concave below the antennæ, with a rounded prominent tubercle. Thorax yellow; the mesonotum tinged with grassy-green; pile of mesonotum short, black; scutellum more strongly green, grooved before its apex; sides of the scutellum and postalar callosities with black bristles; the bristles of the thorax elsewhere light-coloured. Tegulæ with black cilia. Abdomen short, flat, in colour strongly grass-green, the basal segments more translucent yellowish. Legs: femora, except their brownish tip, light greenish-yellow; tibiae and tarsi brown or brownish-yellow, the terminal joints of the tarsi blackish. Wings tinged with greenish-yellow, more strongly so in front; a small brown stigmatic spot; cross-vein near the base of the discal cell.

Length 9 millim.

Hab. GUATEMALA, El Tumbador, 2500 feet (*Champion*).

One specimen.