

9. **Tabanus chionostigma**, sp. n., ♀. (Tab. I. fig. 11.)

Third antennal joint very deeply excised, forming two branches, the upper one blunt at the tip; abdomen (♀) cut off squarely at the tip; ventral segments fringed with long, golden-yellow hairs; proximal half of the four anterior tibiae beset with snow-white pile. Wings with a brown semi-fascia on the distal half, the proximal half with a broad brown costal margin.

Length 18 millim.

Hab. GUATEMALA, Panima in Vera Paz (*Champion*).

Head broader than the thorax, flat; front of moderate breadth, but slightly coarctate anteriorly, black, subopaque, with hoary reflections along the orbits; in the middle a raised longitudinal line, broad, but ill-defined, hardly shining, expanding anteriorly into a semblance of a flat triangular callus; subcallus convex, shining, brown. Face black, but with a hoary, almost silvery reflection; palpi of moderate length, strongly curved at the base, attenuate towards the tip, clothed with black pile, interspersed with snow-white hairs; proboscis black; occiput greyish. Antennae black; third joint brownish, its upper branch linear, blunt at the tip, and fully reaching the third joint of the annulate portion of the lower branch. Thoracic dorsum reddish-brown, with a slight greyish pollen, and a black, erect pubescence; pleurae dark brown, beset with black hair, and with a tuft of snow-white hair in front of the root of the wings. Abdomen brown, beset with black hairs, especially on the sides; a fringe of yellow hairs on the last segment; on the venter the hind margins of the last six segments are beset with golden-yellow hairs, forming six distinct cross-bands. Knob of the halteres yellow. Legs dark brown or black, beset with black pile; proximal half of the four anterior tibiae yellowish, beset with white hairs; hind tibiae with a distinct fringe of black hair, with a few white hairs at the proximal ends. Wings brown from the root along the costa, as far as the central cross-veins; posteriorly the brown is bounded by the fourth vein, but invades more or less both ends of the second basal cell, the middle of which is yellowish; a brown cross-band on the distal half of the wing, begins on the costa between the tips of the first and second veins, attenuates and fades posteriorly and ends in the second posterior cell; the interval between this cross-band and the brown on the proximal half of the wing is yellow, more saturate towards the costa, where the yolk-yellow stigma is visible; first posterior cell broadly open; fork without stump of a vein. A single female.

N.B.—The eyes (revived on wet sand) are dark green, unicolorous.

10. **Tabanus venenatus**, sp. n., ♀.

Third antennal joint very deeply excised, forming two branches, the upper one blunt at the tip; antennae red; femora reddish-yellow; anterior tibiae whitish, beset with white pile; hind tibiae dark brown, with a fringe of black pile; tarsi black. Wings subhyaline, with a slight brownish tinge.

Length 15–16½ millim.

Hab. GUATEMALA, Sinanja (*Champion*); PANAMA, Volcan de Chiriqui 2000 to 3000 feet (*Champion*).