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AN APPARENTLY NEW THRaulodes FROM ARIZONA
(EPHEMERIDA)*

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Recently I received from Mr. J. Sperre a small series of a Thraulodes species from Arizona which, while apparently very closely allied to specious Trav. in genitalia, as far as can be told from the rather crude figure (Biol. of Mayflies, 555, fig. 140), does not fit in with Traver's description in several points. I am treating it therefore as undescribed.

Thraulodes arizonicus sp. nov.

Male. (dried) Head pale creamy (not blackish as in specious) with bright brown tinges along the margins of the ocelli and at the bases of the pale antennae; lower eyes black, upper eyes red-brown. Pronotum light brown with paler mesial shade and tinges of smoky shading laterally; mesonotum light brown, bordered with creamy in anterior portion and with creamy shading before and on the scutellum; metasternum light brown with creamy shading anteriorly. Pleurae brown with creamy shading in the sutures, especially anterior to forewing-base and between second and third pairs of legs, which area also shows some blackish stipulations. Prosternum pale creamy; mesosternum with anterior half creamy, posterior half bright brown, narrowly bordered laterally with creamy; metasternum creamy. Forelegs creamy at base, femora pitch-brown, tibiae paler yellow-brown, tipped at both ends with darker, tarsi entirely pale (not touched with brown as in specious). Mid and hind legs pale at base with slight smoky shade, femora amber, faintly tinted with brown in middle section with a broad strong band of brown terminalis, tibiae and tarsi pale amber.

Abdomen with first segment light brownish. Segments 2–6 pale hyaline, with lateral oblique smoky streaks, decreasing in size towards rear of abdomen and with very narrow smoky posterior margin; smoky ganglionic patches visible mid-ventrally. Segments 7–10 rather bright brown dorsally, segment 8 crossed by a broad creamy band, leaving only a narrow brown anterior margin, other segments with small creamy lateral triangular patches; ventrally largely creamy, except segment 9 which is shaded with brownish. Forecoxae pale amber with terminal joints smoky, penis pale brownish. Setae pale amber, clearly ringed with pitch-brown.

Wings hyaline: on primaries longitudinal veins faintly brown, all cross-veins fine and deeper brown; humeral vein surrounded by a small smoky patch; about 6 ostial cross-veins before bulla, all definitely smoky but not more prominently so than other cross-veins: per ostigmatic veins with slight tendancy to anastomosis. Secondarys with pale venation except the humeral vein and a small section of the vein on which it rests which are blackish.

Holotype 5, Oak Cr. Canyon (near Flagstaff) Ariz., June 15, 1941. (G. and J. Sperre); No. 5322 in the Canadian National Collection, Ottawa.

Paratypes—6 , same data.

The characteristic pale band on the eighth abdominal segment found in this species is not noted as being present in specious Trav. and should readily serve to distinguish the two species.

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