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SUPPLEMENTARY NOTES ON PERUVIAN SIMULIIDÆ.

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Just after the appearance of my paper on Peruvian Simuliidæ (Proc. Biol. Soc. Wash., Vol. XXVII, pp. 81-85) an additional small lot of specimens was received from Peru, recently collected by Professor Townsend. These comprise another new species and enable me to add other interesting data.

Simulium gaudeatum Knab.

The specimens described under this name were taken by Townsend in Verrugas Canyon, June 25, 1913.

Simulium seriatum Knab.

Two more females, taken at Chosica. Townsend observed that in this species the eyes are brown during life.

Simulium escomeli Roubaud.

A single female of the typical form, that is, with the mesonotum striped ferruginous yellow and pale grey, was taken by Townsend at Santa Clara, altitude 1300 feet, in April. A female, taken on the window of the hotel at Matucana on April 22, is extreme in the dark ground-color of the mesonotum. The three stripes of ground-color are velvet black in direct light, deep brown when viewed obliquely. In the typical form the mesonotum is black before the scutellum; in this specimen the antescutellar region is grey. The scutellum is pale yellowish. In other respects the specimen agrees with typical *escomeli*. It would seem that these dark variants are peculiar to the higher altitudes.

Simulium glaucophthalmum new species.

Female.—Occiput, frons and face black, grey pruinose, the frons broad, its sides rectilinear and slightly converging. Antennæ with the two basal joints ferruginous yellow, the others brown, shading to blackish towards

the tip, whitish pubescent. Scutum uniformly black; vestiture of bright metallic green, hair-like scales disposed in little groups which form indistinct longitudinal series. Scutellum black, moderately broad, bluntly subtriangular, the scales like those on the mesonotum, but longer and lying transversely. Pleuræ black. Abdomen black throughout, somewhat shining, rather narrow, without marked folds. Legs slender, largely ochraceous; anterior pair with the coxa, femur and tibia yellowish, the latter infuscated towards the tip, the tarsi blackish, the first joint luteous on the basal half and dilated towards the apex; median pair with the coxa blackish, the femur, tibia and first three tarsals yellowish, the last two tarsals blackish; hind legs with the coxa black, the femur dark, broadly luteous at base, tibia yellowish white basally, blackish beyond the middle, tarsi with the first three joints yellowish, darkened along under side, the last two all dark. Claws unarmed, with obtuse basal thickening. Wings hyaline, broad, the venation normal, the thick veins yellowish; posterior iridescent spot diffused, nearly obsolete, with yellowish luster. Halteres with dark base and large creamy yellow knob. Length: body about 1.2 mm., wing 2 mm.

Santa Clara, Peru, 1300 feet, April, 1914, 2 specimens; Chosica, Peru, April, 1914, one specimen (C. H. T. Townsend).

Type.—Cat. No. 18494, U. S. Nat. Mus. (Santa Clara).

Professor Townsend has noted that in this species the eyes are green during life.



Knab, Frederick. 1914. "Supplementary notes on Peruvian Simuliidae."
Proceedings of the Biological Society of Washington 27, 123–124.

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