

therefore, without, however, any desire to dictate to those who prefer to take a different view, continue to write :

Euchœca perlineata, Packard.

= *exhumata*, Pearsall.

There are other points in Mr. Pearsall's article upon which one might comment, but I am very reluctant to take up further space in discussing a question of which the readers of the CANADIAN ENTOMOLOGIST must by this time be very tired.

NEW HYMENOPTEROUS PARASITES OF ANTHONOMUS GRANDIS, BOH.

BY J. C. CRAWFORD, U. S. DEPARTMENT OF AGRICULTURE.

Torymus anthonomi, n. sp.—♀. Dull greenish, showing purplish tinges, especially on abdomen; head and thorax with abundant whitish pubescence, finely, closely punctured, the prothorax rather indistinctly transversely aciculated; temples narrow, making the head very narrow antero-posteriorly; cheeks, from eyes to base of mandibles, carinate; scape light reddish, flagellum dark; femora aeneous, tibiæ light reddish-testaceous, tarsi whitish, apically dark; metathorax almost perpendicularly declivous, basally with short longitudinal rugæ, the centre ones longer, median one reaching almost to insertion of abdomen, rest of surface finely shagreened; metathoracic spiracles long oval; wings hyaline, stigmal vein two-thirds the length of postmarginal; marginal twice as long as postmarginal; abdomen very finely transversely lineated.

Length, 3 mm.; ovipositor, 1½ mm.

♂.—Differs from ♀ only in the usual sexual characters and in size. Length, 1.75 mm.

Type locality, Waco, Tex., Aug. 29, 1906; also from Hallettsville, Tex., Aug. 9 and 30, 1906, 2 ♀. From Mexia, Tex., 1 ♀, Sept. 29, 1905, bred from *Brachytarsus* in heads of *Sideranthus rubiginosus*.

Type number 10040, U. S. Nat. Mus.

Urosigalphus anthonomi, n. sp.—♀. Black, shiny; legs red, thinly clothed with inconspicuous white hairs; antennæ and mandibles reddish, the antennæ 14-jointed, reaching to base of abdomen; antennal grooves very short; between antennæ the grooves distinctly carinated at edge, the outer edges not with distinct carinæ; inter-ocellar area elevated to a truncate pyramid, the ocelli at the bases of the sides, face with strong close punctures, behind ocelli coarse; median area of mesonotum rugose, not

so coarse anteriorly, lateral areas finely punctured ; scutellum elevated, rugose, posteriorly a narrow, smooth shining border ; truncation of metathorax rounded by a strong salient rim, elevated at centre dorsally, surface of truncature coarsely punctured ; base of metathorax with a few strong longitudinal rugæ and a median longitudinal carina joining the median elevation of salient rim ; abdomen somewhat reddish toward base, rugose with coarse punctures, the intervening elevations forming longitudinal lines, especially in basal half ; apex of abdomen with two long sharp spines, ovipositor hardly as long as the abdomen.

Length, $3\frac{1}{2}$ mm.

Brownsville, Texas, Aug. 19, 1895, C. H. T. Townsend coll.

♂.—Similar, the antennæ longer, 14-jointed; no reddish on abdomen, carina of antennal grooves more distinct. Length, $3\frac{1}{2}$ mm.

Brownsville, Texas, bred Sept. 20, 1906, W. D. Pierce.

Type number 10041, U. S. Nat. Mus.

Urosigalphus Schwarzi, n. sp.—♀. Black, shining, legs red, the hind tibiæ and tarsi reddish-fuscous, head and thorax covered with abundant short white pubescence ; face finely, rather closely punctured ; antennæ dark, 14-jointed, obscurely reddish, reaching to base of metathorax ; antennal grooves deep, reaching to posterior ocelli ; a narrow shallow depression from centre of front to insertion of antennæ, broadening upwardly, the edges of upper part subcarinate ; above insertion of antennæ these carinæ become the carinæ of the inner edges of antennal grooves ; mesothorax except lateral areas coarsely rugoso-punctate ; lateral areas medially smooth, very shiny, finely sparsely punctured, scutellum elevated, postscutellum with a small median V-shaped elevation, the point caudad ; truncation of metathorax coarsely punctured, the surrounding carinæ elevated at dorsal centre ; wings slightly dusky, costa and stigma very dark, rest of nervures brown ; radius obsolete beyond basal third of marginal cell ; abdomen coarsely, closely punctured, basally the intervening surface forming distinct longitudinal ridges, apex of abdomen with two short blunt spines ; ovipositor about as long as abdomen. Length, 3 mm.

♂.—Similar to ♀ except in sexual characters ; antennæ reaching one-third of distance to tip of abdomen, 14-jointed. Length, 3 mm.

Five females, one male, Cacao, Trece Aguas, Alta Vera Paz, Guatemala, E. A. Schwarz and H. S. Barber coll.

Type number 10042, U. S. Nat. Mus.



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