

3. *Notonecta shooteri*.

Notonecta shooteri, Uhler, Proc. Calif. Acad. Sci. (2) iv. p. 292¹; Kirk. Trans. Ent. Soc. Lond. 1897, p. 406².

Var. *Notonecta melæna*, Kirk. loc. cit. p. 407³.

Hab. NORTH AMERICA, Lower California^{1 2}.—MEXICO^{2 3} (*Sallé*); GUATEMALA, near the city (*Champion*).—COLOMBIA².

Three males before me from Guatemala and Mexico seem to belong to this species. They are more robust than either of the following forms, approaching *N. mexicana*, from which they differ in the less convex and more widely separated eyes, the immaculate underside of the trochanters and femora, &c.

4. *Notonecta undulata*. (Tab. XXII. fig. 10, ♂.)

Notonecta undulata, Say, Descr. N. Sp. Heteropt. Hemipt. N. Am. (New Harmony, Dec. 1831)¹; Complete Writings, i. p. 368²; Uhler, Bull. U.S. Geol. Surv. (2) v. p. 239, t. 21. fig. 33 (1875)³; in Kingsley's Stand. Nat. Hist. ii. p. 252⁴; Proc. Calif. Acad. Sci. (2) iv. p. 292⁵; Kirk. Trans. Ent. Soc. Lond. 1897, p. 410⁶.

Notonecta americana, Herr.-Schäff. Wanz. Ins. ix. p. 44, t. 294. fig. 902⁷.

? *Notonecta unifasciata*, Guér. Bull. Soc. Zool. Acclim. iv. p. 581 (1858)⁸.

Hab. NORTH AMERICA⁴, Canada⁶, United States^{1 2 3 6}, Lower California⁵.—MEXICO^{1 2 8}, Temax in N. Yucatan (*Gaumer*), Tabi in Yucatan (*Godman*), Jalapa (*Höge*); GUATEMALA, San Gerónimo, Cubilguitz, Guatemala city (*Champion*).—SOUTH AMERICA to Patagonia⁶; ANTILLES, Cuba⁶, Jamaica⁶, &c.

This appears to be the most widely distributed of the American *Notonectæ*, and Prof. Uhler considers that *N. americana*, Fabr., and *N. variabilis*, Fieb., are probably conspecific with it. The insects here referred to *N. undulata*, most of which are from Yucatan, are smaller and narrower than any of the other Central-American forms known to me, and they have the anterior half of the pronotum so closely rugulose as to appear subopaque; the eyes are flattened, and scarcely more distant behind than in *N. mexicana*; the fourth ventral segment is acutely keeled down the middle; the elytra have an oblique, pale stramineous, humeral patch, sometimes so extended as to leave the apex only of the corium black; the femora and trochanters are immaculate beneath. It is unnecessary to quote the full synonymy here.

5. *Notonecta americana*. (Tab. XXII. fig. 11, ♀.)

Notonecta americana, Fabr. Syst. Ent. p. 690 (1775)¹; Kirk. Trans. Ent. Soc. Lond. 1897, p. 408².

Hab. MEXICO², Ciudad in Durango 8100 feet (*Forrer*).—SOUTH AMERICA, Chili², Valdivia²; ANTILLES, Cuba².

The three female specimens from N.W. Mexico here referred to *N. americana*, one of which has been determined by Mr. Kirkaldy, differ from the same sex of our