

NAUSIGASTER.

Nausigaster, Williston, Trans. Am. Ent. Soc. xi. p. 33 (1883); Synopsis N.-Am. Syrphidæ, p. 21 (1886).

1. *Nausigaster punctulata*.

Nausigaster punctulata, Willist. Trans. Am. Ent. Soc. xi. p. 34, t. 2. f. 15¹, & xv. p. 259²; Synopsis N.-Am. Syrphidæ, p. 21, t. 1. figg. 10, 10a³.

Hab. UNITED STATES, California³, New Mexico^{1 3}.—MEXICO³, Isthmus of Tehuantepec³.—BRAZIL, Chapada².

I have seen but a single specimen of this insect from Central America, the one mentioned in my Synopsis, p. 22, and this differs very much in the markings of the wings from the typical ones from the United States. The example from Brazil, examined by me, is quite like the Central-American one, and I am, more than ever, of the opinion that the form is distinct from the more northern one.

PIPIZA.

Pipiza, Fallén, Dipt. Svec., Syrph. p. 58 (1816).

Heringia, Rondani, Dipt. Ital. Prodr. i. p. 53 (1856).

Pipizella, Rondani, Dipt. Ital. Prodr. ii. p. 185 (1857).

Cnemodon, Egger, Verh. zool.-bot. Ges. Wien, xv. p. 573 (1865).

Penium, Philippi, Verh. zool.-bot. Ges. Wien, xv. p. 741 (1865).

1. *Pipiza* (*Heringia*) — ?

Antennæ reddish-black, the first joint yellow. Face shining greenish-black, with yellowish pile. Frontal triangle on the upper part opaque black, with erect black pile; below like the face. Eyes black-pilose. Mesonotum brownish or bronze-black, but little shining, with yellowish pile. Abdomen opaque black, shining metallic on the sides; pile very short. Legs black; first two joints of the four anterior tarsi and the tip of the hind metatarsi and the two following joints light yellow; hind metatarsi thickened; hind femora with long white pile; hind tibiæ densely black-ciliate behind. Wings subhyaline, the stigma yellow.

Length 6 millim.

Hab. MEXICO, Xucumanatlan in Guerrero 7000 feet (*H. H. Smith*).

One specimen.

This species is very similar in structure to *P. pulchella*, Willist., Synopsis N.-Am. Syrphidæ, p. 29, t. 2. figg. 1, 1a, 1b. The ultimate section of the fourth vein is bent, not broken, and there is no groove at the tip of the scutellum. The auxiliary vein, moreover, terminates distinctly beyond the anterior cross-vein.

2. *Pipiza* (*Pipizella*) *bellula*, sp. n., ♂.

Antennæ elongate; wings with a brownish spot, the last section of the fourth vein nearly straight; legs black. Eyes light-pilose. Frontal triangle shining metallic black, with erect black pile; face shining black, with black pile, in profile with a slight convexity above the middle. Antennæ black; third joint fully twice