

## The Fourth Paper on New Species of *Plagiognathus* (Hemiptera: Miridae).

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### *Plagiognathus negundinis* n. sp.

Runs to *annulatus* Uhler in my key (Hem. Conn., 1923, p. 431), but differs in the longer second antennal segment which in the male is equal to or slightly exceeds width of pronotum at base; head more vertical and tylus less prominent.

♂. Length 4 mm., width 1.36 mm. Head: width .72 mm., vertex .37 mm. Rostrum, length 1.4 mm., reaching to middle of hind coxae. Antennae: segment I, length .27 mm.; II, 1.2 mm.; III, .75 mm.; IV, .35 mm.; black, tip of first segment pale, last two segments dusky brown. Pronotum: length .62 mm., width at base 1.17 mm.

Black, vertex pale, legs orange yellow, hind femora with a row of four or five black spots on antero-dorsal line, also one spot on median line of anterior face at middle of apical half, sometimes with two or three smaller dots, and two subapical black spots beneath, but rarely forming a black line above or beneath; tibiae yellow, knees, spines and spots at base of spines black; tarsi fuscous, apical segment black. Rostrum yellow, apex and basal half of first segment blackish. Membrane and veins fuscous, a clear spot behind smaller areole by apex of cuneus. Dorsum clothed with simple, recumbent, yellowish to dusky brown pubescence.

♀. Length 3.8 mm., width 1.4 mm. Head: width .71 mm., vertex .40 mm. Antennae: segment I, length .26 mm.; II, 1.02 mm.; III, .66 mm.; IV, .36 mm. Pronotum: length .64 mm., width at base 1.21 mm. Very similar to the male in pubescence and coloration.

*Holotype*: ♂ June 19, 1927, Ames, Iowa (H. H. Knight); Iowa State College collection. *Allotype*: taken with the type. *Paratypes*: 86 ♂ ♀ taken with the types on box elder (*Acer Negundo* L.). 40 ♂ ♀ June 14, 46 ♂ ♀ June 20, 1927, Ames, Iowa (H. H. Knight), taken on box elder where the species was breeding. ♂ ♀ June 2, ♂ 2 ♀ June 9, 1925, Ames, Iowa (H. H. Knight). ♂ 3 ♀ June 16, 5 ♂ June 25, 1927, Ames, Iowa (H. G. Johnston), taken on box elder. 6 ♂ ♀ June 3, 1912, Ames, Iowa (R. L. Webster), "associated with *Chaitophorus negundinis* Thos."