

Holotype: ♂ July 17, 1927, St. Mary's, OHIO (S. A. Watson); author's collection. *Allotype*: July 13, 1920, Berrien Co., MICHIGAN (R. F. Hussey), collected on *Salix*. *Paratypes*: ♂, 2 ♀, July 19, 1925, Ledges State Park, Boone, IOWA (H. H. Knight), taken on *Salix longifolia*.

PLAGIOGNATHUS SALICICOLA depallens n. var.

Similar in structure to *salicicola* but differs in the pale color; dorsum uniformly pale, without distinct fuscous markings altho the membrane is fuscous; antennae infuscated like the typical form but the legs with spotting somewhat reduced; hind femora with a spot on middle and a group of smaller spots on apical half.

Holotype: ♂ August 2, 1924, St. Anthony Park, St. Paul, MINNESOTA (H. H. Knight); author's collection. *Paratypes*: 5 ♀, taken with the type on *Salix* sp. 12 ♂ ♀, July 12, 1919, Hennepin Co., Minnesota (H. H. Knight), taken on *Salix longifolia*. ♀ July 8, 1921, St. Paul, Minn. (H. H. Knight), taken at light. 10 ♂ ♀ July 11, 1923, Red Rock, Ramsey Co., Minnesota (H. H. Knight), on *Salix longifolia*. IOWA—♂ 3 ♀ July 19, 1925, Ledges State Park, Boone (H. H. Knight), taken on *Salix longifolia* where the species was breeding. 2 ♂ July 26, 1928, Ames, Iowa (H. H. Knight), on *Salix longifolia*.

PLAGIOGNATHUS TINCTUS Knight.

This species was originally described as a variety of *P. albonotatus* Kngt. (Hem. Conn., 1923, p. 437), but with the accumulation of considerable material since 1923, it is evident that *tinctus* is a valid species. We have found it breeding on sand bar willow (*Salix longifolia*), the same host as the above described *salicicola* but it may be readily separated by the fuscous to blackish scutellum combined with a pale to reddish cuneus.

Debilis Blatchley is a color form of *tinctus* Kngt., it being the common phase of the species in the Mississippi valley region. I found it particularly abundant in Minnesota breeding on sand bar willow. Typical *tinctus* has reddish appearing in the pale cuneus and occurs as might be expected, in the cooler and higher elevations of its range, especially Pennsylvania, but I have also taken it in Minnesota.

Plagiognathus shepherdiae n. sp.

Pale and marked with black; color pattern suggestive of *Phylloidea picta* (Uhl.) but distinguished by the longer rostrum and soft pale pubescence.