

III, .68 mm.; IV, .25 mm.; uniformly pale yellowish. Pronotum: length .40 mm., width at base .80 mm. Dorsum blue green; membrane uniformly fumate, veins blue green; clothed with very minute, prostrate, pale pubescence, and interspersed with longer, more erect, pale soft pubescent hairs. Body beneath pale green, sternum paler. Legs pale yellowish to green, tibiae and spines pale. Genital claspers small but distinctive, left clasper a simple, curved, acuminate hook, right clasper little different although slightly shorter.

♀. Length 2.6 mm., width .95 mm. Head: width .59 mm., vertex .27 mm. Pronotum: length .36 mm., width at base .80 mm. Very similar to the male in form and color, although vertex and mesoscutum yellowish.

Holotype: ♂, August 5, 1924, Santa Catalina Mts., alt. 3000 ft., Arizona (A. A. Nichol); author's collection.

Allotype: same data as the type.

Paratypes: ♀, taken with type. ♀ July 15, 1917, Bowie, Arizona; ♂ July 16, 1917, Bonita, Arizona; ♂ July 20, 1917, Texas Pass, Arizona (H. H. Knight), collected at light.

***Orthotylus mistus* new species.**

Shape of head and general color very similar to *coagulatus* Uhler, but size fully one-third larger; belongs in the *flavosparsus* group.

♀. Length 5 mm., width 2 mm. Head: width .97 mm., vertex .59 mm. Rostrum, length 1.23 mm., reaching to middle of intermediate coxae. Antennae: segment I, length .40 mm.; II, 1.48 mm.; III, missing; clothed with rather coarse black pubescence. Pronotum: length .74 mm., width at base 1.48 mm. Yellowish green, the hemelytra more blue green; antennae and legs greenish yellow. Dorsum clothed with prostrate, silvery sericeous pubescence and intermixed with erect black hairs, being very similar to *coagulatus* Uhler in this respect. Membrane uniformly pale fuscous, veins green. Venter with simple pale pubescence.

Holotype: ♀ July 31, 1921, Nordegg, Alberta (J. McDunnough); No. 1350 in the Canadian National collection.

Paratype: ♀ July 10, 1921, Nordegg, Alberta (J. McDunnough); author's collection.

This species runs to *ovatus* V.D. in Van Duzee's key (Proc. Calif. Acad. Sci. (ser. 4) vi, 1916, p. 89) to the species of *Orthotylus*, but is clearly distinguished therefrom by the shorter rostrum and smaller eyes; the dorsal width of an eye is barely equal to one-third the width of vertex, while in *ovatus* the eye is equal to one-half the width of vertex. In *mistus* the length of antennal segment I is only equal to two-thirds the width of vertex.

***Ilnacorella* new genus**

Arolia erect and converging at apices as in *Ilnacora*; closely related to *Ilnacora* but differs in being more elongate and in lacking the black scale-like pubescent spots on pronotum; the dorsum clothed with rather evenly distributed, appressed, scale-like pubescence, and interspersed with a few erect, black bristle-like hairs, these latter most prominent on vertex and anterior margin of pronotum. Head with eyes nearly as in *Ilnacora*, the tylus more prominent; vertex more distinctly flattened, the basal carina transverse and sharply defined; rostrum reaching upon intermediate coxae. Antennae much as in *Ilnacora* although segment I