

of which is divided into two or three short spines. Left clasper much as in *basicornis*, but the dorsal prong shorter and tapering gradually to a point.

♀. Length 5.6 mm., width 1.8 mm. Head: width 1.02 mm., vertex .56 mm. Antennae: segment I, length .47 mm.; II, 1.57 mm.; III, .86 mm.; IV, .46 mm. Pronotum: length .83 mm., width at base 1.57 mm. Coloration usually paler than in the male, dark markings of the dorsum usually lacking except on base of tylus; antennae greenish yellow above, the black color restricted to ventral aspect of segment I, and fuscous only on base of segment II.

Holotype: ♂ August 12, 1925, South Fork, Colorado (H. H. Knight); author's collection.

Allotype: same data as the type.

Paratypes: 16 ♂ ♀, taken with the types on willow (*Salix* sp.). COLORADO—7 ♂ ♀ Aug. 19, 1898, Dixon's Canyon, near Fort Collins; ♀ June 25, 1900, Fort Collins; ♂ July 31, 1900, Ridgway; ♂ ♀ June 16, 1900, Rocky Ford (E. D. Ball). 3 ♀ Aug. 12, 1925, Pagosa Springs (H. H. Knight). UTAH—♂ Sept. 17, 1925, Kaysville (G. F. Knowlton).

***Orthotylus ramus* new species.**

Suggestive of *chlorionis* Say, but size somewhat larger, pubescence pale yellowish; distinguished by the large and remarkably branched male genital claspers.

♂. Length 3.9 mm., width 1.5 mm. Head: width .71 mm., vertex .38 mm.; eyes and shape of head about as in the female of *chlorionis*. Rostrum, length 1.21 mm., reaching to middle of intermediate coxae. Antennae: segment I, length .29 mm.; II, 1.21 mm.; III, .77 mm.; IV, .44 mm.; yellowish green, last segment dusky. Pronotum: length .59 mm., width at base 1.12 mm.

Uniformly green or yellowish green, membrane pale, veins green. Clothed with simple pale yellowish pubescence. Genital characters distinctive, right clasper forked near base, forming two long, curved acuminate arms, the lower one curving across and nearly touching the dorsal prong of left clasper, while the dorsal arm curves inward and forward to middle of genital segment; left clasper with dorsal prong near base, terminating above in a point which may have two or three small teeth, lower arm thicker, following the segment wall beyond median line where it curves inward to a point; dorsal margin of genital segment with a strong chitinous spine projecting posteriorly.

♀. Length 4.1 mm., width 1.54 mm. Head: width .74 mm., vertex .42 mm. Antennae: segment I, length .30 mm.; II, 1.36 mm.; III, .83 mm.; IV, .46 mm. Pronotum: Length .62 mm., width at base 1.15 mm. Very similar to the male in form, pubescence and coloration.

Holotype: ♂ June 22, 1918, Mercer County, Ohio (R. F. Hussey); author's collection.

Allotype: taken with type.

Paratypes: ♀, topotypic. ♀ July 3, 1920, Berrien County, Michigan (R. F. Hussey), taken on *Carya* sp. ♀ July 31, 1916, Batavia; ♀ July 8, 1920, Ithaca, New York (H. H. Knight), both specimens taken on hickory (*Carya*). ♂ June 24, 1897, Ames, Iowa (E. D. Ball).