

The two species differ as follows:—

<i>V. dryophila</i>	<i>V. californica</i>
4 or 5 sensoria on antennal III.	Only the apical sensorium on antennal III.
About 9 long hairs on antennal III.	3 or 4 long hairs on antennal III.
Mesothorax appearing as single chitinous plate.	Mesothorax appearing as partially divided into lobes.

Dates of collection of winged forms are as follows: May 16, 1915; April 29, 1916; May 8, 1916; *Quercus lobata* Nee, Walnut Creek, Cal., May 14, 1917; *Quercus macrocarpa* Michx., Sacramento, Cal.

***Myzocallis quercifolii*, sp. nov.**

*Alate viviparous female.*

General colour light green; antennæ pale green with narrow brown annulations at apices of joints, filament of joint VI brownish; head and thoracic lobes olive green; wings hyaline, stigma very pale with dusky brown spots at base and apex; legs pale green, base of tibiæ with a brown ring, femora brownish near apex, tarsi and tibial apices brown; tubercles of thorax and abdomen paler than body colour; cornicles pale green; cauda and anal plate pale green; beak pale, extreme tip brown; venter light green.

Antennæ on short frontal tubercles, slender, longer than body, base and filament of joint VI subequal; joint III with one or two circular sensoria near the base; antennal spines rather stout; the forehead bears 8 stout prominent pale capitate spines, in length equal to half the width of the forehead. Prothorax and mesothorax each with a pair of tubercles on the dorsum. Abdomen narrow, with three pairs of conical tubercles on the dorsum and with three pairs of blunt tubercles on sides. Cornicles slightly longer than wide at base, somewhat constricted in centre. Cauda globular, spinose. Anal plate deeply cleft, spinose. Beak reaches to the second coxæ. Wings longer than body.

Measurements.—Length of body (mounted specimens) about 1.25 mm. Width of body about .45 mm. Antennæ, joint lengths: III .61 mm., IV .35 mm., V .32 mm., VI .28 mm. (.145 mm. plus .135 mm.). Length of wing 1.94 mm., of cornicles .085 mm., of cauda .08 mm., of beak .23 mm., of hind tibia 1.06 mm.

Described from 3 individuals collected on the leaves of Blue Oak (*Quercus douglasii* H. & A.) by Mr. F. B. Herbert, Los Gatos, Cal., June 4, 1917.

This species is closely related to *Myzocallis quercus* Kaltenbach, *M. pasaniae* Davidson, *M. californicus* Baker, and *M. californicus* Baker var. *pallidus*, below described. The prominent capitate spines on the forehead will distinguish it from others.

The following key will separate the above species:

1. Cornicles partly black..... *Myzocallis quercus* Kalt.  
Cornicles pale throughout..... 2.
2. Forehead of winged vivipara with prominent capitate spines..... *Myzocallis quercifolii*, sp. nov.  
Forehead of winged vivipara with spines non-capitate or indistinctly capitate..... 3.