

fewer and more yellowish and may be nearly or quite wanting in immature individuals. Membrane closely irrorate with pale brown beyond the areoles, which are faintly clouded with smoky at apex, with the nervures whitish; at the apex of the cuneus is a whitish spot followed by a transverse pale fuscous vitta. Antennæ and legs concolorous, greenish white, the hind femora more or less dotted with brown toward their apex; hind tibiæ with about seven large black points, each carrying a pair of stout black bristles; the anterior and intermediate tibiæ with fewer black bristles and but indistinctly dotted; tarsal claws brown. Venter of the male becoming fulvous or brown along the median line.

Described from two males and six females taken by Mr. Giffard and myself on *Quercus agrifolia* near Cloverdale, Sonoma Co., August 3, 1916, and three males and eight females taken by Mr. Giffard by the road a little north of Hoberg's Resort, Lake Co., August 2, 1916. I also took one example of this species in the Garden of the Gods at Manitou, Colo., July 19, 1900. This species may be distinguished from its allies by the shorter pronotum finely irrorated membrane and the coarse dotting of the elytra.

Holotype (No. 352) and Allotype (No. 353) in collection of the California Academy of Sciences.

Paratypes in collection of the California Academy of Sciences, and in those of Mr. Giffard and of the author.

160. *Psallus seriatus* (Reut.) Niles Canyon, July 14, 1916.

161. *Psallus soror*, new species

Closely allied to *juniperi* Heid. but larger and more strongly dotted with sanguineous, nervures of the membrane and the hind tibiæ also dotted. Length to tip of the membrane $3\frac{1}{2}$ -4 mm.

Head longer than in *juniperi*. Vertex broad in the female, in the male narrower than the large prominent eyes. Pronotum normal, the sides very slightly concavely arcuated; callosities obscure. Elytra long and parallel in the male, shorter and a little arcuated in the female. Rostrum reaching nearly or quite to the middle of the venter. Body above clothed with deciduous white hairs, which are longer on the vertex and pronotum.

Color testaceous or yellowish white, irregularly irrorate with sanguineous above and on the sides of the pectus and venter, the cuneus more deeply colored in the male; corium with a cluster of black scale-like deciduous hairs at the apex of the clavus and two similar tufts on the hind margin. Membrane evenly but lightly enfumed, the nervures pale, varied with sanguineous. Antennæ soiled whitish, the first segment slightly marked with sanguineous at base and apex. Legs pale, the coxæ tinged with greenish; femora toward their apex and the tibiæ dotted with sanguineous.

Described from one pair taken by Mr. Giffard near Stockton, May 30, 1917. This insect has much the aspect of *Parthenicus psalliodes* but the absence of free aroliæ will at once