

✓ 91. *Phytocoris vinaceus*, new species

Aspect of *rufus*, but much larger and proportionately more slender; smaller and broader than *roseus*; deep wine red, eyes, membrane and sometimes the hind margin of the pronotum black or nearly so, the antennæ faintly banded with pale. Length to tip of membrane 5 mm.

Head nearly vertical, face flattened above where the longitudinal furrow is distinct, below prominently convex; clypeus and lower cheeks also prominent. Antennæ slender, as long as the body; first segment nearly linear, as long as the width of the pronotum; second not quite twice as long as the first and about half as thick; third still more slender and about two-thirds the length of the second; fourth about two-thirds the length of the third. Pronotum longer than in *rufus*, twice as wide as long, sides a little concave, callosities prominent. Elytra parallel, the abdomen reaching the middle of the cuneus in the male, nearly to its tip in the female; surface moderately polished, sparsely clothed with very short fuscous hairs. Rostrum passing the middle of the abdomen. Legs about as in *tibialis*.

Color a nearly uniform dark wine red, sometimes a little paler beneath, on the anterior disk of the pronotum and on the cuneus, the pronotum usually shading to fuscous or almost black at the hind margin, which is very slenderly paler. Membrane nearly black, immaculate, the nervures mostly red. Abdomen more or less infuscated in the male and in the region of the oviduct in the female. Femora sometimes darker toward their apex, and, with the tibiæ, faintly dotted with pale; tibial bristles pale and little longer than the thickness of the joint. First segment of the antennæ sparsely dotted with pale, the pale bristles a little longer than the thickness of the segment; second and third segments with a narrow whitish annulus at base and a broader one just beyond their middle; these segments and the fourth sometimes infuscated.

Described from five examples taken by me at Hoberg's Resort, August 2, 1916, and four taken by Mr. Giffard the next day near the road to Lakeport, all on manzanita. Mr. Giffard also took this species from manzanita in Sonoma Valley on August 3, 1916, and again in Placer Co. and at Tahoe at an altitude of 3900 feet. Mr. Fordyce Grinnell has sent me one example taken by him at Pasadena, June 5, 1910. At Hoberg's Resort we found the young in abundance, but few had then reached maturity.

Holotype (No. 334), male, from Hoberg's, in collection of the California Academy of Sciences.

Allotype (No. 335), female, from Hoberg's, in collection of the California Academy of Sciences.

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

92. *Adelphocoris superbus borealis*, new variety

Similar to the species and apparently a color variety. Black; pronotum and broad costal margin red or yellowish red, the posterior disk of the pronotum with a black transverse band or two spots; narrow base of