

ON FOUR NEW CALIFORNIAN HEPIALI.

BY JAMES BEHRENS, SAN FRANCISCO, CAL.

The species described in this paper are from Mendocino. The genus seems to be more numerously represented on the West than on the East Coast of North America. Some of the new forms resemble the European. To none of these species can I refer Dr. Boisduval's descriptions of *hectoïdes* or *californicus*.

Hepialus sequoiolus, n. s.

Three specimens. Primaries light brown with five darker, black margined, interrupted bands marked on costa by separated spots, the fourth, just before apex, slightly furcate. The terminal or outer band is extended along the veins to the outer margin, interspaceally lunate. From the median fold to internal margin the first band is composed of silvery white united spots, preceding the second band, which is powdered with black and shows inwardly an ochre line. Between the third and fourth bands below vein 5 to internal margin, runs a similar white and narrower band. There is a basal white dash, above which a blackish shading. Hind wings blackish, with fringes and costal margin marked with brown. Beneath the fore wings are marked with pale brown on costa and reflect partially the bands of upper surface. Thorax camel's hair brown, with the abdomen perhaps paler. *Expanse* 37 to 40 mil.

A single specimen differs by its increased size and the absence of the white bands; else, while paler colored, it seems to agree. I am undecided about the value of this form at the present writing.

Hepialus mendocinolus, n. s.

Five specimens. Allied to the preceding and to *gamma* of Europe, but tinged with reddish and more unicolorous and smaller. The darker bands are obsolete in three specimens. In *gamma* the white bands are often connected and the outer one runs from the apex. In this species the white bands are more oblique, parallel, and obtain over the primaries below the cell. A white dash at base connected with the first white band. The brown of the thorax shows a pink tinge and the blackish hind wings are pinkish on the fringes. *Expanse* 32 to 35 mil.