

stalk originating 3 and 4; a curved continuation of the cross vein closes the cell; 6 and 7 on a long stalk out of the end of the subcostal, the stalk forking about half way to the margin; 8 out of the subcostal about one-third from base.

The above notes are from a male, *G. hopfferi*. The exact relation of the very variable forms of the species is not at all settled, and there may be more or fewer species than are now recognized.

G. hopfferi, Grt. & Rob.

1867—G. & R., Tr. Am. Ent. Soc., I., 332, *Gnophæla*.

1872—Stretch,* Zyg. & Bomb., 38, 236. pl. 2, f. 2, *Gnophæla*.

1881—Butler, Papilio, I., 129, *Gnophæla*.

1882—Stretch,* Papilio, II., 82, *Gnophæla*.

var. *discreta*, Stretch.

1876—Stretch, Lep. Wheelers Exp., V., 802, *Gnophæla*.

arizonæ, French.

1884—French, Papilio, IV., 20, *Gnophæla*.

1884—French, Papilio, IV., 112, = *discreta*.

Stretch gives the food plant as *Myosotis*. The insect has been taken in California, Arizona and Oregon (May 7 to June 1).

G. latipennis, Bdv.

1852—Bdv., Lep. Cal., Ann. Soc. Ent. Fr., 2nd ser., v. X., 320, *Glaucopis*.

1862—Morris, Synopsis Lep., 136, *Glaucopis*.

1872—Stretch, Zyg. & Bomb., 38, = *hopfferi*.

1882—Grote, New List 14, on sp. dist.

Habitat—California.

It is highly probable that Mr. Stretch is correct in referring *hopfferi* to this species; but as Mr. Grote still lists them as distinct, and I have not studied the forms myself, I follow Mr. Grote for the present.

G. vermiculata, Grote.

1863—Grt., Proc. Ent. Soc., Phil., II., 334, pl. 6, f. 1, *Omoiala*.

1865—Grt., Proc. Ent. Soc., Phil., IV., 316, *Callalucia*.

1867—G. & R., Tr. Am. Ent. Soc., I., 332, *Gnophæla*.

* This sign, whenever used with a reference, as above, indicates that the early stages were referred to.