

NOTES ON EUCHLOE HYANTIS, EDW.

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The history of *Euchloe hyantis* well illustrates the state of confusion of some of the western *Euchloinae*. In 1871 W. H. Edwards described, in the Transactions of the American Entomological Society, both sexes of a species of *Euchloe* (*Anthocharis*), which he called *hyantis*, the types coming from Mendocino, Calif. In his Pac. Coast Lepidoptera papers (Proc. Calif. Acad. Sci., No. 22, 1876), Hy. Edwards writes: "*Anthocharis creusa*, Dbl. I have little doubt, from an examination of a figure by Mr. Butler, of the British Museum, kindly loaned to me by Mr. W. H. Edwards, that this species is the same as *A. hyantis*, Edw., which is well known to occur in the Sierra Nevadas, and in other high lands of the State. It is said by Dr. Behr to be far from rare in the neighbourhood of Oroville, and has been subsequently taken by Baron R. Osten Sacken in the Yosemite Valley, and by myself near Lake Tahoe. It is probably often confounded with *A. ausonides*, but it is abundantly distinct." W. H. Edwards, in his list of *Rhopalocera*, published in 1877, places it as a synonym, and in his later list (1879) it is entirely omitted. In 1878, however, Hy. Edwards changed his former opinion and gives it specific rank.

Of the later authors Beutenmuller (Revision N. Am. species of *Euchloe*†) places *hyantis* as a synonym of *creusa*, and describes as new, under the name *lotta*, the form heretofore known as *creusa*.

Creusa was named by Doubleday and Hewitson, and, according to Beutenmuller, the figure given in their "Genera of Diurnal Lepidoptera" agrees well with *hyantis* or possibly *ausonides*. There is no mention of *hyantis* in Holland's Butterfly Book or in the Check List of American Macro-Lepidoptera published by the Brooklyn Entomological Society in 1882. Dr. Skinner* makes *coloradensis*, Hy. Edw., a synonym of *ausonides*, and places *hyantis* as a variety. The same writer in his supplement puts *elsa*, Beut., and *lotta*, Beut., as varieties of *creusa*. Smith in his catalogue gives *hyantis* specific rank, as does W. G. Wright (Butt. West Coast). Dyar¹ places *hyantis* as a variety of *ausonides*. Dr. A. G. Butler (CAN. ENT., XXXI, 1899, p. 19), writes: "As regards *E. creusa*, I believe to vary seasonably as much as its very close ally, *E. ausonia*; the

†Am. Mus. Nat. Hist., x., p. 235-248. (1898).

*A Syn. Cat. of N. Am. Rhop., Phila., 1898.

1. Bull. U. S. Nat. Mus., No. 52, Wash., 1902.