

females only at hand and without a history of the specimen it would be easy to mistake the new species for the California variety, except for the fact that the s. t. line is unusually sharp and strongly dentate in comparison with the vague suffused markings seen in *occidentalis*. Other structural details of the legs and of the palpi do not differ from the usual form found in the genus, and in the male we have that same peculiar formation of the anterior femur which I described in my monograph of the Deltoids and figured. Concerning the life-history of the species and the habits of the larvæ I refer to Hubbard's articles on the insect guests of the Florida land tortoise published in *Insect Life*, Vol. VI., No. 4, 1894, p. 305-306, and in *Proc. Ent. Soc. Wash.*, Vol. III, No. 5, 1896, p. 299.

MANITOBA BUTTERFLIES.

I have a further addition to make to my list of the Butterflies of Southern Manitoba, as the result of last summer's work. As in Africa of old, something new seems to be constantly turning up. The scarcity of grass in the usual prairie hay meadows drove me into a small "muskeg" of a few acres in extent, in a corner of the river valley, about a mile from my house. It is a veritable Serbonian bog in ordinary seasons—the grave of many a bison and wapiti, judging from the remains, in days gone by, and which has of recent years taken toll from time to time from our domestic herds. In it, at the end of July and the beginning of August, I took three or four specimens of *Thecla acadica*, and the same number of *Chrysophanus thoe*, and also a variety of *C. helloides*, smaller and more faintly marked than any I have taken before—the large form being generally abundant in certain places.

Butterflies were not plentiful last year, especially during the early summer, through the dry, cold weather that prevailed, but I made one notable addition to my collection. For some years I have been unable to do any "sugaring" during the harvest season, but this year I managed to paint a few trees, with the result that during the day time they were visited by several *Vanessa Californica*, of which I took three ♀s, my previous captures being ♂s, and saw several more. *Grapta progne* and *comma*—both varieties of the latter—also were attracted by the trees, and a very few *atalanta*, but nothing else.

At night, I took several species I have not before seen, and I particularly noted the absence of *Catocalas*. *Relicta* and *unijuga* used to be a positive nuisance, frightening all other species away. This year I did not see a single *unijuga*, only a few *relicta* and *briseis*, but several *concombens*, which used to be very scarce.

E. F. HEATH, Cartwright, Man.