

36. *Hippiscus obscurus* Scudd.

B. C.—Recorded from this Province by Scudder<sup>2</sup> and from Vernon, as *H. Californicus*, Walker.

The specimens from Vernon exhibit two types of coloration. In one the markings are distinct, as in *H. neglectus*, in the other they are obscured with brown and the tegmina are without the yellow sutural stripe. As these specimens show no structural differences and were all taken together, there can hardly be a doubt that they belong to the same species. The distinctly-marked individuals are scarcely separable from *H. neglectus*, and I doubt very much if they are specifically, or even racially, distinct from that species.

37. *Hippiscus zapotecus* Saussure.

MAN.—Aweme, July 10, 1907, 1 ♀. (Criddle.) Also recorded from Mill Valley. (Walker.)

SASK.—Rudy. (Rehn.)

38. *Hippiscus tigrinus* Scudd.

MAN.—Aweme, June 24, 1909, 1 male; June 2, 3, 1904, 2 females (determined by Scudder). Also recorded from the same locality by Fletcher.<sup>2</sup>

SASK.—Dubuc, May 30, 1907, 1 ♂. Indian Head, July 22, 1903, 1 ♀ (yellow-winged); April, 1905, 1 ♂ nymph. Maple Creek, Aug. 2, 1902, 1 ♀ (yellow-winged). Medicine Hat, May, 30, 1901, 1 ♀ (red-winged); May 30, 1904, 2 ♂'s, 2 ♀'s (yellow-winged), 2 ♂'s, 1 ♀ (red-winged). Meota, July 8, 1906, 1 ♂, 1 ♀. Pincher, June 24, 1902, 1 ♀ (yellow-winged). Radisson, July 20, 1907. Regina, Aug. 11, 1904, 1 ♀ (reg-winged). North of Swift Current, May, 1907 (col. Dr. Charlton), 1 ♀ (red-winged). East of Weyburn, June 19, 1901, 1 ♀ (red-winged).

I have included under *H. tigrinus* many specimens which do not agree with Scudder's description in all respects. In fact, I find it impossible to separate *H. latefasciatus*, *tigrinus* and *zapotecus* by the characters given by Scudder. The course of the intercalary vein, the development of the tubercles of the pronotum, the width of the fuscous band of the wings and the extent of the maculation of the tegmina are all very variable characters. As, however, I have seen but few authentically determined specimens of these three forms, I make as yet no