

19. *Circotettix verruculatus*, Kirby.

*Locusta verruculata*, Kirby. Fauna Bor. Amer., Insecta, 250 (1837).

*Locusta latipennis*, Harr. Ins. Inj. to Veg., 179 (1862).

*Oedipoda verruculata*, Scudd. Bost. Jour. Nat. Hist., VII., 471 (1862).

*Trimerotropis verruculata*, Scudd. Daws. Rep. Geol. Rec., 49th Par., 344 (1875).

*Circotettix verruculatus*, Sauss. Prod. (Ed., 175 (1884).

With the exception of *Camnula pellucida*, this is the most abundant Oedipodine in Northern Ontario, where it finds a very congenial home, flying about the bare rocky slopes and among the burnt timber, the loud, crackling stridulation of the males resounding in every direction. It is, however, by no means confined to rocky situations, being found wherever burnt timber occurs, even in swampy places, though preferably on dry sandy soil. I found it in a burnt clearing in a large swamp of tamarack and white cedar near Lake Simcoe at a considerable distance from dry soil.

Nearly all the specimens from Northern Ontario are of a black variety, being thus afforded an excellent protection when they alight upon the blackened stumps and logs, which they very frequently do. This variety has all the markings, except those of the wings, hind tibiae and inside of hind femora almost entirely obscured by a blackish tone. I have seldom seen specimens of the mottled or southern form, though individuals intermediate between the two extremes are not infrequent. I found a dark brown, somewhat mottled variety common at Bradford on a marshy flat covered with weathered blocks and chips of wood from a sawmill; while in the rocky islands in Stony Lake, Peterborough Co., the specimens met with were frequently ash gray mottled with black.

I have occasionally heard the female stridulate, the sound being similar to that of the male, but more subdued.

It appears about the beginning of July and continues till near the end of September. My earliest capture was at DeGrassi Pt., July 2, 1896, and I heard one stridulating at Gravenhurst, Sept. 27, 1897.

My specimens are from the following localities: Rat Portage, Aug. 28, 1897 (very abundant); Molson, Lake Superior, Aug. 28, 1897; Jackfish, Lake Superior, Aug. 27, 1897; Stony Lake, July 9 to 15, 1897; Bradford, Aug. 6, 1897; DeGrassi Pt., and various other localities about Lake Simcoe. I have also seen it at Aurora, but never at Toronto, though it has occasionally been seen there by other collectors.