

female 14.5 mm.; of tegmina, male 20 mm. (18-24), female 19.5 mm. (19-25); of ovipositor, 8 mm.

This is the only species of *Orchelimum* that is distributed generally over a large part of the Province. It becomes gradually scarcer to the north of Lake Simcoe, and I believe it does not range much further north than Muskoka. I found it sparingly at Dwight, but it did not appear in Algonquin Park, nor did I take it at North Bay, although the proper sort of environment, apart from the northern latitude, was often met with.

This grasshopper is common in upland fields as well as low meadows, and is fond of perching in clumps of tall grass. It reaches maturity towards the end of July, and lasts until about the beginning of October.

The song of the male is the familiar "xr, jip, jip, jip, xr, etc," of which an interesting and detailed description is given by Dr. Scudder in the Twenty-third Annual Report of the Entomological Society of Ontario, 1893, p. 73.

I have found great variation in the length of the tegmina and wings in this species. Individuals with unusually long tegmina, and wings which project some distance beyond them, are not uncommonly met with in the north. I have taken them several times at Lake Simcoe and also at Lake Muskoka, the Bruce Peninsula, and Walpole Id., River St. Clair. These long-winged individuals resemble *O. glaberrimum* in appearance, but are considerably smaller.

Localities: Rondeau, Sept. 14, 16, 1899; Point Pelee, Aug. 8, 1901; Arner, Essex Co., Aug. 9, 1901; Chatham, Aug. 10, 1901; Sarnia, Aug. 12, 1901; Walpole Id., River St. Clair, Aug. 13, 1901; Goderich, Aug. 18, 1901; Bruce Peninsula, Aug. 12, 1901; Burke's Id., Lake Huron, Aug. 29, 1901; Toronto, Aug., Sept.; Lake Simcoe, July 26-Oct. 1; Lake Muskoka, Aug. 10, 1899; Dwight, Sept. 2, 1902; Aug. 23, 1903.

15. *ORCHELIMUM GLABERRIMUM*, Burm.

Xiphidium glaberrimum, Burm., Handb. der Ent., II., 1838, 707.

Orchelimum glaberrimum, Scudd., Bost. Journ. Nat. Hist., VII., 1862, 453.

Measurements: Length of body, male 21.5 mm., female 20 mm.; of pronotum, male 5.9 mm., female 6 mm.; of hind femora, male 17 mm., female 19.2 mm.; of tegmina, male 27.5 mm., female 28 mm.; of ovipositor, 8 mm.

On September 14, 1899, I captured 3 males of this fine species from the marshy shore of the "Rondeau," at Rondeau Provincial Park, Kent Co. I took them while stridulating, their song being indistinguishable, as