

70. *Melanoplus affinis* Scudder.

B. C.—Nicola Valley, Aug. 20, 1901, 1 ♂. (Fletcher.) Also previously recorded from this locality and Vernon by Walker, and from the Province, without further data, by Scudder⁵.

71. *Melanoplus bilituratus* (Walker).

MAN.—Aweme. (Fletcher².)

B. C.—Victoria, Vancouver Id., Sicamous. (Scudder⁵.) Donald, Vernon, Discovery Id., Duncans, Nanaimo and Riddell, Vancouver Id. and Kelowna. (Walker.)

The occurrence of this Pacific Coast species in Manitoba seems improbable, and I feel some doubt as to the correctness of the determination.

72. *Melanoplus atlanis* Riley.

MAN.—Deloraine, June 15, 1901, 1 ♂. (Fletcher.) Aweme, Aug. 14, 1906, 1 ♂. (Criddle.) Winnipeg, Aug. 30, 1909, 1 ♂. Willing.) Also recorded previously from Winnipeg by Scudder⁵, and from near Rosebank (Walker).

SASK.—Regina, Aug. 23, 1908, 1 ♀. (Willing.) Also recorded from Moose Jaw by Caudell¹ and Walker, and from Parkbeg by Walker.

ALTA.—Metaskiwin, 1 ♀. (Alexander.) North of Olds, Sept. 13, 1902, 3 ♂'s, 1 ♀. Walsh,* Aug. 23, 1901, 2 ♂'s, 1 ♀. (Willing.) Bankhead, Sept. 11, 1908, 1 ♂, 1 ♀. Banff, Aug. 5, 11, 1908, 3 ♀'s; Aug. 6, 16, 1909, 1 ♂, 1 ♀; Sept. 11, 1908, 1 ♂, 1 ♀; Sept. 13, 1909, 1 ♀. Tunnel Mt. Flats, Sept. 3, 14, 1908, 2 ♀'s; Sept. 1, 1909, 1 ♀. (Sanson.) Also recorded from Macleod, Calgary, Banff and Laggan by Scudder⁵, and Kamanaskis and Banff by Walker.

B. C.—Cranbrook, 1 ♀; Nelson, 6 ♂'s, 4 ♀'s; Greenwood, 2 ♂'s; Kamloops, 6 ♂'s, 3 ♀'s. (Alexander.) Kelowna, Aug. 23, 1901, 1 ♂. (Fletcher.) Also recorded from Vancouver by Scudder (Rep. U. S. Ent. Com., 11, App., 24, 1880), Agassiz and Vernon by Walker, Kaslo by Caudell⁴, and Beavermouth by Rehn.

Very great variation is seen in this series. The specimens from Kamloops, except one female, some of those from Banff, and a pair from Olds, are much above the average size, being as large or nearly so, as *M. spretis*. Specimens previously recorded

*Previous references to Olds, Walsh, Leduc and Medicine Hat were placed by error in the Saskatchewan lists.