

PRELIMINARY LIST OF THE MACRO-LEPIDOPTERA OF ALBERTA, N.-W.T.

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(Continued from page 54.)

GEOMETRIDÆ.

[NOTE.—The generic names are as used by Rev. G. W. Taylor.]

452. *Rachela Bruceata*, Hulst.—Not observed previous to 1898. It appeared in millions in 1902, and in the following year was still more abundant. In those two years hundreds of acres of *Populus tremuloides* were completely denuded by the larvæ during June. It appeared to be aided in its depredations by a Tortrix, the name of which I have not yet discovered, but subsequent observation brings me to believe that by far the greater part of the denudation was caused by this species. I rarely saw more than eight or ten acres cleared in one patch, usually much less, but its ravages extended over a large tract of country, some twenty square miles, between Fish and Sheep Creeks. Beyond that I did not travel where there were poplars in any quantity. *Salix* was also attacked, but not so vigorously. The moths appeared in early October, and the apterous females could be found in numbers hanging with the males on the leafless twigs of poplars after dark. The males flew freely in the daytime, but in far greater numbers at dusk. Both the Rev. G.W. Taylor and Dr. Fletcher have seen the species.

453. *Taliedega montanata*, Pack.—Two ♂♂ and a ♀. June 23rd to 28th, 1898 and 1904. Occurs at both the Billing's Mill locality and on Pine Creek.

454. *Eupithecia (Tephroclystis) Regina*, Taylor (MSS.)—Fairly common some years, flying at dusk. End June and July.

455. *E. borealis*, Hulst?—Mr. Taylor has a specimen from me, dated July 21st, 1901, on which he comments: "A prairie species, and in Mr. Hanham's collection from Winnipeg, bearing Hulst's label *borealis*, but does not agree with the description." I am not aware that I have taken another specimen of the same species.

456. *E. Casloata*, Dyar (Proc. U. S. Nat. Mus., XXVII., 891).—Described from two specimens taken at Kaslo. Eight specimens are at present in my series, and I fancy the species is not altogether rare here. July to middle of August.

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