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## FURTHER NOTES ON ALBERTA LEPIDOPTERA, WITH DESCRIPTION OF A NEW SPECIES.

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(Continued from Vol. XLIV., page 39.)

299. *Mamestra mutata*, sp. nov.—Closely allied to *trifolii* Rott., by comparison with which it is best described. Ground colour paler than in *trifolii*, with less irroration; orbicular elongate, oblique, sometimes produced to a point anteriorly, outlined in blackish, with pale annulus and dark centre. In *trifolii* it is round or nearly so, with the pale annulus less contrasting. Reniform much narrower in upper half than lower, the upper extremity the shape of an inverted V with the apex curved slightly outwards. A pale annulus is traceable round the reniform, but is conspicuous only as the strokes, particularly the outer stroke, of this V. In *trifolii* the reniform is kidney-shaped, symmetrical, and the annulus less contrasting superiorly. The subterminal line is paler and more contrasting than in *trifolii*, and the W is rather deeper, and usually preceded by black dentate marks. Fringes more contrastingly cut with pale than in *trifolii*. On the underside, on both primaries and secondaries, there is a smoky discal dot at the end of the cell in both species. In *trifolii* these dots are centred by a fine whitish line on the cross-vein. In *mutata* this line is absent. Size of *trifolii*, but apices rather more acute.

Described from 6 ♂s and 10 ♀s. Calgary, Alta. (4 pair, by the author, June 22nd–Aug. 9th); Miniota, Cartwright, Winnipeg, Man. (1 ♂, 3 ♀s, Dennis, Heath, and Hanham, Aug. 3rd–Sept. 20th); Stockton and Provo, Utah, (2 ♀s, Spalding, Aug 5th and 27th); and Prescott, Ariz. (1 pair, Kunze, Sept. 8th and 10th).

Type, ♂, Calgary, in collection of the author.

This is the *albifusa* of Smith (Ent. News, XXI, 360, Oct. 1910,) in part, but is not the *albifusa* of Walker. The character of the orbicular and reniform, and of the discal spots beneath will best serve to distinguish *mutata* from *trifolii* and its var. *albifusa*, to