

claviform thickly outlined with black, and hind margin and s. t. space rather contrastingly pale compared with the rest of the wing. Judging from a recent letter to me, Sir George Hampson seems to have confused some specimens of this form which I sent him with *Dodii*, which has something of the same range of variation, some specimens showing very much the same contrasts, but always much redder. I am not always sure of unset specimens, but no forms of *lilacina* and *Dodii* which I have seen are really alike. In fact, *lilacina*, in having less of the rusty-red, a more direct s. t. line, and an occasional tendency to develop a basal streak, is really a good deal more like *rugosa*. Prof. Smith has repeatedly seen both forms of my *lilacina*, and I have specimens of each bearing his own label. The specimen figured in Dr. Holland's book is about intermediate between the two extremes.

311. *M. acutermis*, Smith.—(CAN. ENT., XXXVI., 153, June, 1904). Described from 5 ♂♂ and 2 ♀♀, partly Calgary material; the rest from Cartwright, Man.; B. C., and S. Dak. A ♂ co-type and five other specimens are in my collection. Very rare, and only taken during 1893 and 1899. End June to middle July. Its author states: "Related to *Goodellii* in general character; but is smaller, darker, the maculation barely traceable, and the apex of the primaries distinctly better marked." Until recently I had this species standing as *Goodellii*. The type is a Calgary specimen and is at Rutgers College.

312. *M. obscura*, Smith.—Sometimes very common at treacle in June. This species was formerly sent out by me in considerable numbers as *Hillia crasis*, under which name Prof. Smith had placed the form in his own collection. The species varies from a dark, reddish-brown to almost black, but always with a reddish tinge. The *vigilans* form of *crasis* is somewhat of the same colour, but though there is a similarity in general type of maculation between the two species, they are not really alike. I obtained ova of *obscura* in 1894. The larvæ hatched on June 30th, and fed on *Anemone patens*. They had all pupated but two on Sept. 3rd. I have no further notes.

313. *M. ectrapela*, Smith.—Described from a ♂ taken by Mr. T. E. Bean at Agnes Lake, near Laggan, Alta. (B. C. in error), 6,800 feet, on Aug. 21st, and from a ♀ taken at 6,000 feet in Garfield Co., Colorado, by Mr. Bruce. The description tells us: "The species has the wing form of *ectypa*, and the same general type of maculation, but is of a somewhat sordid dull brown." The type is at Washington.