It is quite distinct from *apici-strigella* Cham., and seems to be between *clerkella* and *padifoliella* as described in *Ins. Brit.*, v. 3. The italics show the points in which it seems to differ from *clerkella*, which is nearer to it perhaps than *padifoliella*.

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**NEW CALIFORNIAN AND TEXAN MOTHS.**

**BY LEON F. HARVEY, A. M., M. D., BUFFALO, N. Y.**

*Arsilonche album, n. s.*

An easily described species. It differs from *A. absidum* Harvey, which is received in several examples under the number 2734, from Oregon, by being totally white. Expanse 34 m. m. No. 5993, Oregon, Mr. Hy. Edwards' coll.

The synonymy of the several species of this genus is as follows:

1. *Arsilonche albovenosa* Goeze Btr., 3-3 251 (1781.)
   Simyra venosa Bkh. iv, p. 716. 1792.

This synonymy is given by Mr. Morrison after Dr. Staudinger has identified the American *Henrici* as the same with the European *albovenosa*.

2. *Arsilonche absidum* Harvey.


This species is lemon yellow, with the t. p. line continued on the secondaries, variably indicated by dark dots. It is very distinct.

*Arsilonche album* Harvey.

*Jaspidea viridata n. s.*

Fore wings light green, with distinct black lines. Orbicular with a black annulus and central spot. Beneath this is the large claviform, black
margined and with a black dot; these two form a combination like the figure of eight. Cell black powdered between the spots. Reniform large, with green centre, edged with white and with a black annulus, irregular, medially strangulated. Above it the t. p. line seems to join its outer margin, but in reality is obsoletely produced beyond it, appearing below it dentate to internal margin. Terminal space light green; s. t. line obsolete opposite the cell, below black, dentate. Fringes checkered with black. Hind wings white, with lunule distinct beneath and double exterior shade lines and distinct black edging. Thorax scaly; green with black spots on tegulae.

**Expanse 30 m. m. No. 5605, San Diego, Cal., Mr. Edwards.**

**Agrotis equalis n. s.**

♀. Allied to *Wilsoni* and especially resembling some of the varieties of that species, but distinguishable by the subterminal line not being twice more prominently indented, but pale, dentate throughout its length, and by the concolorous terminal space and larger stigmata. Hoary olivaceous fuscous with a tinge of brown; claviform indicated; orbicular large, irregularly elongate; reniform wide; the cell shaded with brown; t. p. line geminate, regularly lunulate. Fringes brown, discolorous. Hind wings fuscous, deepening in tint outwardly; with pale, faintly interlined fringes and long narrow discal streak; beneath whitish, irrorate on costal region, with faint terminal shade and discal mark; primaries fuscous. Thorax and head concolorous with fore wings.

**Expanse 38 m. m. California. No. 101, Mr. Hy. Edwards' Coll.**

**Agrotis satis, n. s.**

♀. A small species resembling *equalis* in coloration; fore wings more deeply tinged with red brown. A sub-basal brown streak; median lines geminate, denticulate; t. a. line perpendicular; t. p. line rounded opposite cell and there denticulate. Some black dots before the s. t. line; terminally the wing shows a deeper shade; the paler fringes broadly interlined. Hind wings fuscous, without marks, with pale interlined fringes. Beneath fuscous with common line determinate on veins and discal dots; that on primaries contiguous to the line. Collar with a marginal brown line; head and thorax concolorous with wings.

**Expanse 28 m. m. No. 3486, California, Mr. Hy. Edwards' Coll.**
Agrotis choris, n. s.
♂. Hind wings pellucid white, a little stained; veins marked. Fore wings uniform dull gray; veins obsoletely marked. T. a. line geminate, denticulate. fine, black. Orbicular black ringed, small, rather elongate. Reniform narrow, curved; claviform obsoletely indicated. T. p. line obsolete, marked on the veins. S. t. line faint, near the margin; terminal line black, interrupted; fringes concolorous. Antennae brush-like; head and thorax like fore wings; palpi darker at the sides.

Expanse 36 m. m. Nevada. No. 2626, Coll. Mr. Hy. Edwards.

Agrotis Sierra, n. s.
♀. Allied to haruspica: differs by the paler secondaries and more slender habit. Body and fore wings uniformly fuscous; lines black illegible. Both stigmata present; orbicular rounded; reniform elongate lunate. Hind wings beneath with discal mark and shade line; above immaculate, pale, pellucid, fuscous. Abdomen as dark as thorax.

Expanse 45 m. m. No. 2623, Sierra Nevada, Cal.; Mr. Hy. Edwards Coll. I regret that I have not been able to compare this form with the European augur.

Agrotis rectula, n. s.
♀. The smallest species of the group of 4-dentata and cicatricosa. Hind wings white, soiled with fuscous. Fore wings nearly black, with a yellowish stripe from the base outwardly below costa to above the prominent yellow stigmata. Orbicular spherical; reniform of the usual shape, rather broad, approximate to the dotted t. p. line. A splash of yellowish below median vein to the s. t. line, which is black dotted, followed by yellow with two yellow teeth to veins 3 and 4. Beneath whitish with the spots reflected on primaries.

Two specimens. Oregon, No. 5969, Mr. Hy. Edwards' Coll.

Agrotis pyrophiloides, n. s.
A species with slender body and wide wings, and looking like a Pyrophila, but with spinose hind tibiae. Greasy; fuscous and dirty ochre, with wavy blackish lines. Orbicular of the ochreous ground color, concolorous, rounded; median shade blackish, heavy; reniform concolorous; t. p. line geminate, with pale included space, denticulate. Costal dots distinct on the blackish subterminal space. A terminal festooned ochreous line, cutting the black line at base of fringes. In one
specimen the ornamentation is obliterate. Body concolorous; hind wings fuscous, paler at base. Beneath paler with common line and discal marks, that on primaries elongate and near the line.

Expanse 38 m. m. No. 5662, California; No. 5624 var., Mr. Hy. Edwards' Coll.

(To be Continued.)

ADDENDA TO LISTS OF DIURNAL LEPIDOPTERA,
SPHINGIDÆ AND ZYGAENIDÆ OCCURRING
ON THE ISLAND OF MONTREAL, P. Q.

BY F. B. CAULFIELD, MONTREAL, P. Q.

RHOPALOCERA.

Colias philodice Godart, var. laurentina Scudd.

In the end of July, 1874, I took a Colias on Montreal Mountain, which appeared to me to be different to anything I had hitherto seen. I sent it a short time since to Mr. Scudder, who kindly determined it for me as a Gynandromorphic ♂ of his var. laurentina of philodice. A second example, also a ♂, was taken by Mr. Pearson the same season.

Thecla agustus Kirby.

One specimen taken by Mr. Kollmar, May 24th, 1875.

Lycaena neglecta Edw.

I took a ♀ of this species June 26th, 1875. It was in beautiful condition, evidently fresh from chrysalis, and is the only example I have seen from this locality.

Euphyes metacomet Harris.

The Hedone orono of my List, Can. Ent., vol. vii, p. 89, must be referred to this species. I received both these species from Mr. Herman Strecker, of Reading, Pa., along with some other material, accompanied by a list giving the names. Unfortunately, when referring the examples to the list I mistook the numbers, and gave orono instead of metacomet