

*Emydia ampla*, n. s.

♀. Wings large, body linear, slight. Eyes naked; palpi exceeding the front; maxillæ weak. Antennæ (♀) with converging setose pectinations. Head white; thorax white, black dotted. Fore wings white, silky, with a black dot on the cell and two superposed at the extremity of the cell; one below median vein at basal third and others at base suggesting a basal transverse line. A narrow blackish costal stripe and a terminal distinct interrupted line; fringes white. Hind wings smoky gray with whitish fringes. Beneath entirely blackish or smoky gray with a dark discal dot on hind wings. Abdomen smoky gray. *Expanse* 43 mil. *Habitat*, Colorado (Coll. E. L. Graef).

*Lygranthoeia acutilinea*, n. s.

♂. Eyes naked, body slender, tibiæ armed. Form of *marginata*, *Thoreaui* and *saturata*. Ochrey or olive fuscous with snow white or silvery white lines. Transverse anterior greatly medially and outwardly exerted, preceded by a black marginal line, irregular, raggedly toothed. Cell shaded with whitish or pale ochrey. Reniform marked by black dots. Outer line denticulate, followed by a black line, crossed by white streaks on the median nervules. Subterminal line white, bent inwardly opposite the cell and again before internal margin. Fringes fuscous cut with white. Hind wings whitish with diffuse blackish discal spot and terminal band, the latter interrupted with white above anal angle. Fringes whitish, faintly interlineate. Beneath whitish, powdered with black; primaries blackish to exterior line with double black discal spots, the reniform open, fringes checkered; secondaries mostly whitish with black discal dot and whitish fringes; body pale fuscous. *Expanse* 27 mil. *Habitat* Colorado, Coll. E. L. Graef.

*Heliothis nuchalis* Grote.

This species is very near the European *H. scutosa*, as I find from a specimen of the latter in Mr. Graef's collection. As is the case with *armiger* and *dipsacea*, the American representatives of which I have described as *umbrosus* and *phlogophagus*, we have now a third species nearly related to the European. At the same time extended and careful comparisons of the American and European forms have not been entered into as yet with any of these species of *Heliothis*.