

interesting Californian specimen has the fore wings concolorous dusky greenish, but I do not think is a different species, though this is possible. Guenee refers the species to *Hecatera*, but I have classified it as a *Mamestra*; it is allied to the species with which I here associate it.

4-lineata *Grote*, Bull. B. S. N. S. 1, 140, pl. 4, fig. 15. California.

olivacea *Morr.*, Proc. B. S. N. H. 143, 1874. Can. to Vancouver.

alboguttata *Grote*, Bull. B. S. N. S. 3, 85. Oregon.

comis " " " Vancouver.

sutrina " *Papilio* 1, 5. Colorado.

lustralis " Can. Ent. 7, 223. Middle and Western States.

meditata " Bull. B. S. N. S. 1, 104. Eastern and Middle States.

innexa " " 2, 123. Texas.

N. B.—Mr. Morrison has referred this species to *Mamestra*, in correction of my original determination.

renigera *Steph.* 2, 16; *Grote*, Can. Ent. 6, 132 (*Mamestra*); *herbimacula*

Guen. Noct. 1, 133. Can.; Eastern and Middle States.

cinnabarina *Grote*, P. B. S. N. H. 241, 1874. *Var. ferrea Grote.*

N. B.—This species is allied to the European *M. strigilis* and *fasciuncula*. The var. *ferrea* occurs in Vancouver Island (Can. Ent. 7, 25) and Washington Territory (Morrison leg.) The fore wings are different shades of yellowish ferruginous, while they are more brownish in the typical form from California.

lorea *Guen.*, Noct. 1, 126. Can.; Eastern and Middle States.

niveiguttata *Grote*, B. B. S. N. S. 1, 194, pl. 4, fig. 16. California.

leucogramma " " 1, 140. California.

palilis *Harvey*, " 2, 273. Texas.

† *repentina Morr* P. B. S. N. H. 118, 1875. "New Jersey."

† *ectypa* " " " "West Virginia."

*insolens Grote*, Bull. B. S. N. S. 2, 65. California.

*arietis* " Bull. U. S. Geol. Surv. 5, 207. California.

N. B.—This may be the ♂ of *insolens*; it is very different in appearance from the more distinct markings.

? *quadrannulata Morr.*, P. A. N. S. P. 430, 1875. Nebraska.

? *rugosa* " Proc. B. S. N. H. 119, 1875. Maine.

† *Rogenhoferi Moeschl.*, S. E. Z. 269, 1870. "Labrador."

† *subdita* " W. E. M. 363, 1860, T. 9, fig. 7. "Labrador."

† *phoca* " " 197, 1864, T. 5, fig. 15. "Labrador."