

somewhat wavy, with a fine black line ; discal spot small, black. Beneath light fuscous ; outer line showing faintly on fore wings, and a faint rather broad line at middle of hind wings.

Colorado ; from Dr. Gillette.

*MESOLEUCA ABACTA*, n. sp.

Expands 34-36 mm. Palpi not heavy, moderately long, erect, almost recurved, blackish ; front thorax and abdomen fuscous, more or less stained with ochre ; abdomen tufted at end ; fore wings broad, light gray, more or less striated crosswise with blackish ; basal line fine, distinct, some angled at middle, sharply black ; one-third out another black line, turned outward from costa, sharply angled on cell, thence running broadly and heavily nearly straight to inner margin ; this is followed by a finer, almost parallel line, which is somewhat broken on posterior half, a faint, much broken black line just beyond discal spot, and beyond that a quite heavy black line angled outward between 3 and 4, broken posteriorly ; a clear black rounded spot costally at apex ; marginal line black ; discal spots prominent, black, well out on wing. Hind wings fuscous, lighter basally, becoming darker and with faint shadowy darker lines towards outer margin and parallel with it ; beneath fuscous, much the colour of hind wings above, the fore wings becoming darker along costa and towards apex.

Arizona ; one of the types is in National Museum, No. 3924.

*HYDRIOMENA PERNOTATA*, n. sp.

Expands 34 mm. Palpi rather short, sordid fuscous ; front of same colour ; thorax fuscous gray, with black edging to patagiæ ; thorax dark fuscous, black dorsally, lighter fuscous posteriorly on segments ; fore wings rather long, grayish fuscous, broken up with irregular black spots ; these on the basal half very irregular, so that the lines of which they are the evidences are entirely indeterminate ; a whitish fuscous band beyond discal spot, edged outwardly with a geminate broken, dentate, wavy, and angled black line running in general direction, parallel with outer margin ; a submarginal incomplete row of black dashes, the space having a bluish stain. Hind wings light fuscous with an ochre reddish stain outwardly, marginal line black, finely broken on all wings ; beneath rather deep broken fuscous, becoming a large blackish spot towards apex ; hind wings as above, but much darker ; the fore wings are also considerably ochre stained.

Fort Wrangel, Alaska.