

NEW ARIZONIAN AND TEXAN MOTHS.

BY A. R. GROTE, A. M.

EUCHÆTES ZONALIS. n. s.

♀. Size large; wings very dark lead color; primaries with the costa dark yellow; internal margin not striped; both wings concolorous, the narrow fringes pale, whitish. Abdomen banded with black and crimson, the latter broadest. Anal hairs whitish. Front dark; head reddish behind; thorax with lateral stripes of yellow in front; disc and tegulæ dark lead-color, immaculate. Beneath dark lead color; legs and body dark; fringes white, contrasting, as does the white anal tuft; costa dark yellow as above.

Arizona. Coll. B. Neumoegen.

EUCHÆTES VIVIDA. n. s.

♂ ♀. Fore wings pale stone color, smooth, thinly scaled; costa and internal margin faintly striped with yellow; hind wings whitish. Abdomen crimson, unspotted; beneath pale gray; fore legs reddish at base. Tegulæ narrowly edged with crimson; thorax pale gray.

South Western Texas. Coll. B. Neumoegen.

Expanse 33 mil.

EUCHÆTES PERLEVIS. n. s.

♀. Size small. Fore wings dark fuscous; the hind wings have a crimson patch on internal margin. Abdomen crimson. Beneath lead color, the patch on hind wings repeated. Veins marked. Wings thinly scaled. Abdomen unspotted; beneath lead color; thorax head and legs lead color.

Expanse 25 mil.

Arizona. Coll. B. Neumoegen.

HYOPTA HENRICI. n. s.

♂ ♀. Size of *Bertholdi*, but with the wings much broken up by white. The male, with feathered white-stemmed antennæ, is smallest and palest of the two sexes. Costa broadly striped with silvery white; with fine dark preapical costal dots. The ground is brownish fuscous with an ochery shading; hind wings dark fuscous in female, pale in male, concolorous. On fore wing the median vein is striped with silvery white; a terminal series of white block-shaped marks; vein 1 and internal margin irregularly white; fringes pale. Beneath, markings lost; fringes white, contrasting. Named for Mr. H. Edwards.

Arizona. Coll. B. Neumoegen.

TARACHE EXPOLITA. n. s.

Fore wings with the costal field, above median vein, white, traversed by the faint double yellowish lines in place of median shade and t. p. line. Anal angle and fringe again forming a white blotch, with the terminal line marked with pale yellow. Else the wing is blackish, scintillant; at the upper edge it shows,

about the middle of the wing, an olive stain. Shorter-winged than *T. angustipennis*; the hind wings stained with fuscous. Head and collar white, thorax black.

Arizona. Coll. B. Neumoegen.

NEUMOEGENIA. n. g.

Form slender; vestiture scaly; clypeus rough, with a superior arched ridge, infra-clypeal plate prominent; wings very wide, entire; apex determinate; external margin regularly rounded; labial palpi short; Legs slender and apparently unarmed; abdomen hardly exceeding secondaries, untufted. Allied apparently to *Acopa*.

NEUMOEGENIA POETICA. n. s.

White. Fringes white. A bright gold patch fills the rest of the primary interrupted by a white patch at extremity of median vein, and stretching along nervules. This golden field leaves the internal margin narrowly white; at base the field is edged outwardly obliquely by a dark reddish line. Hind wings pale smoky. Body white; thorax smoky behind. Beneath immaculate, pale smoky.

Expanse 25 mil.

Arizona. Coll. B. Neumoegen.

EUSTROTIA PROPERA. n. s.

Size very small. Looks like a *Grapholitha*; fore wings blackish to the t. p. line; beyond reddish or carneous gray like the pale tint in *Apicosa*. Reniform whitish. T. p. line black with a rather prominent exsertion, opposite the cell; the line is even. Hind wings pale fuscous.

Expanse 15 mil.

Arizona. Coll. B. Neumoegen.

FENARIA. n. genus.

Form like *Chrysauge*. Eyes naked; clypeus with an embossed protrusion; labial palpi fringed; third article small; tongue stout. Body linear; abdomen tufted at base. Fore wings rounded externally, with rounded apices. Wings full and wide; primaries with noctuiform markings; hind wings yellow, with black border.

FENARIA SEVORSA. n. s.

Fore wings ferruginous brown with a white shade beyond the cell, and a nebulous band behind t. p. line. Both stigmata paler than wing, upright, subequal, ferruginous ringed. Subterminal line dark, waved, regular and prominent; terminal field narrow, hoary. Fringes dark ferruginous. Ground color of primaries blackish, overshadowed with ferruginous. Hind wings dark yellow, with an even black marginal band; fringes black. Beneath black, with a yellow oblique subterminal patch; base yellow;

hind wings as above; the yellow is paler. Body and legs blackish.

Expanse 35 mil.

Arizona. Coll. B. Neumoegen.

I regret that I cannot describe the neururation of this unique; it is one of the highest forms of the sub-family *Pyrallididæ*.

SOME NEW BEAUTIES FROM VARIOUS PARTS OF ARIZONA.

BY B. NEUMOEGEN.

EUHALESIDOTA PURA. n. sp.

♂. Dark luteous. Antennæ, head, collar, thorax, primaries and abdomen concolorous. Antennæ pectinated. A small, dark-brown discal spot. Another small dark-brown spot between third median and submedian nervules, near conjunction of the two. Slight indications of brownish speckles. Interior margin dark-brownish. Secondaries creamish white, with yellowish basal tuft and brownish fringe of exterior margin. Beneath, primaries luteous, but the space between median nervules and interior margin, as well as the secondaries, creamish white, diaphanous.

Expanse, $1\frac{5}{8}$ inches.

Length of body, $\frac{3}{8}$ inch.

♀ resembles the ♂, but the discal spot and brownish speckles on primaries more pronounced. Indications of two parallel, transverse brownish lines from costa, near apex, to near the inner angle of interior margin. Antennæ slightly serrated.

Expanse, $1\frac{3}{4}$ inches. *Length of body*, $\frac{3}{8}$ – $\frac{1}{2}$ inch.

Southeastern Arizona. Types Coll., B. Neumoegen.

This insect somewhat resembles *H. insularis*, H.-Sch. (which, by the way, is a *Euhalesidota*) of Cuba, but can be at once distinguished from the same by the dark luteous color of primaries.

HALESIDOTA MIXTA. n. sp.

♀. Antennæ, head, collar, patagiæ and body ochraceous. Antennæ slightly serrated. Primaries ochraceous, with dark brownish speckles in the shape of irregular rings. Some of these speckles forming nearly two parallel transverse lines from costa, near apex, down to interior margin. The speckles of anterior line having an irregular triangular shape, whilst those of the anterior line are irregularly reniform. All the nervules are darkish brown.

Secondaries creamish white, with ochraceous basal tuft and diaphanous.

Beneath, primaries and secondaries creamish white. The markings of speckles on primaries partly reproduced. Secondaries diaphanous.

Expanse, $1\frac{7}{8}$ inches. *Length of body*, $\frac{5}{8}$ inch.

Southeastern Arizona. Type Coll., B. Neumoegen.



Grote, Augustus Radcliffe. 1882. "New Arizonian and Texan moths." *Papilio* 2(8), 131–133.

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