

## GEOMETRIDÆ AS YET UNDESCRIBED.

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(Continued from page 253, Vol. XLIII.)

*Eupithecia vaporata*, n. sp.

Expanse, 13-15 mm. Palpi moderate, rather heavily scaled, dark brown. Antennæ slender, gray, barred faintly with dark brown, shortly ciliate beneath. All above gray, mixed with dusky brown, scaled, the front and first two segments of the abdomen being paler, the latter without tufts. Fore wings narrow, extended at apex, are crossed by a number of ill-defined hair lines composed of the darker scales. The intra- and extradiscal lines appear double and heavier, the former obliterating the discal dot, which it reaches at a sharp angle from costa, and thence with a strongly basal trend to inner margin; the latter, with less of an angle below costa, becomes slightly heavier opposite cell, and wavy to inner margin, nearly parallel to intradiscal. The basal line is obsolete. Beyond extradiscal the usual geminate pale line is present, not clear, but faintly margined outside with a fine hair line of dark scales. These cloud the subterminal space, which is without definite markings. Marginal line broad, black, broken at veins. Fringes rather long, gray. Hind wings with lines as on primaries, but fainter, except at inner margin, the extradiscal being heaviest, with strong outward curve around discal dot, which is a mere pin point. Marginal line and fringes as on primaries. Beneath the body and wings are somewhat paler and more glossy, the lines on wings reproduced as above, and all except the marginal line are fainter.

Types, ♂ and ♀, from San Diego, California (Ricksecker), were taken at light, May 16, 1910, and co-types in a series of fourteen in both sexes, from the same locality, are in author's collection. Also a co-type ♀ from collection of Geo. H. Field, San Diego, Cal., taken by him April 22, 1910, is in possession of Mr. J. A. Grossbeck.

This species is smaller even than *huachuca* Gros., less distinct in markings, and paler in ground colour.

*Eupithecia scabrogata*, n. sp.

Expanse, 22 mm. Of the same size, and much resembling *subapicata* Guen. Palpi short, stout, loosely scaled, dark brown. Front and vertex rough, with a mixture of dark and pale brown scales. Antennæ dark brown, flattened, slender, ciliate in ♂, almost bare in ♀. Thorax black centrally, crossed from base to base of wings by a broad dusky white band,

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