

One specimen from Chiriqui, differing from Maassen's figure in its much darker colour and slightly falcate primaries; but without seeing more examples it is inadvisable to treat it as distinct. Maassen's specimen is probably a female, the one figured here a male.

### Subfam. *GEOMETRINÆ*.

Many of the species of this subfamily are very difficult to determine, owing to the colour frequently fading soon after death.

### ACHLORA.

*Achlora*, Guenée, Sp. gén. des Lép. ix. p. 335 (1857).

The species included in *Achlora* by Guenée and Walker are all South American; the northern limit of the genus would appear to be in Chiriqui, whence two representatives are now recorded.

#### 1. *Achlora perigearia*.

*Achlora perigearia*, Guen. Sp. gén. des Lép. ix. p. 336 (♀)<sup>1</sup>; Walk. Cat. xxii. p. 502<sup>2</sup>.

*Hab.* PANAMA, Chiriqui (*Ribbe, in mus. Staudinger*).—BRAZIL<sup>1 2</sup>.

A female specimen of this species from Chiriqui is contained in Dr. Staudinger's collection.

#### 2. *Achlora roseipalpis*.

*Achlora roseipalpis*, Feld. & Rogenh. Reise der Novara, Lep. t. 127. fig. 33 (♀)<sup>1</sup>.

*Hab.* PANAMA, Chiriqui (*Ribbe, in mus. Staudinger*).—VENEZUELA<sup>1</sup>; ECUADOR.

One specimen from Chiriqui, agreeing with others from Ecuador in my own collection.

### GEOMETRA.

*Geometra* (Linn.), Treitschke, Schmett. von Europa, v. 2, p. 430 (1825) (partim); Guenée, Sp. gén. des Lép. ix. p. 341; Walker, Cat. xxii. p. 506; Packard, in Report of the U.S. Geol. Survey of the Territ. x. p. 393, t. 4. fig. 14 (neuration) (1876).

#### 1. *Geometra iridaria*. (Tab. XLIX. fig. 5, ♂.)

*Geometra iridaria*, Guen. Sp. gén. des Lép. ix. p. 344<sup>1</sup>; Walk. Cat. xxii. p. 508<sup>2</sup>; Snellen, Tijdschr. voor Ent. xvii. p. 40<sup>3</sup>; Pack. in Report of the U.S. Geol. Survey of the Territ. x. p. 394, t. 10. fig. 93<sup>4</sup>.

*Geometra iridaria*, var. *consequaria*, H. Edwards, Papilio, iv. p. 19<sup>5</sup>.

*Hab.* NORTH AMERICA<sup>1 2</sup>, Northern United States to Texas and California<sup>4</sup>, Georgia<sup>5</sup>, Florida<sup>5</sup>.—MEXICO, Coatepec, Vera Cruz<sup>5</sup> (*coll. Schaus*); GUATEMALA (*Conradt, in mus. Staudinger*), Dueñas (*Champion*), Guatemala city (*Rodriguez, in mus. D.*).—COLOMBIA<sup>3</sup>.

I have only seen four specimens of this species from within our limits. A male from Dueñas is figured.