

Some notes on Ecuadorian Saturniidae

(Lepidoptera)

by

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In the last twenty years the studies on neotropical, and especially Ecuadorian Saturniidae definitely improved (LEMAIRE, 1976, 1977, 1978, 1980; LEMAIER & VENEDICTOFF, 1989). Even though there has been a creation of new roads on the Amazonian side, collecting in west Ecuador has been made difficult because good biotopes are difficult to find. This has been caused by heavy deforestation and has led to a refinement of the distributions of some species, and a new contribution to records. This is a preliminary list of species collected sparsely in Ecuador during August 1982, December 1986, May–June 1992 and April–May 1993.

Abbreviations: Sucumbios (SU); Pichincha (PI); Napo (NA); Los Rios (LR); Tungurahua (TU); Morona Santiago (MS); El Oro (EO); Distr. = Collecting sites.

Arsenuriinae

Arsenura armida (CRAMER, 1779)

Distr. Misahualli (NA); Macas (MS); Rio Blanco (TU); Rio Topo (TU).

Arsenura archianassa porioni LEMAIER, 1980

Distr. Quevedo (LR).

Arsenura ciocolatina DRAUDT, 1930

Misahualli (NA); Rio Blanco (TU).

Arsenura albopicta JORDAN, 1922

Distr. Misahualli (NA); Rio Blanco (TU).

Arsenura rebeli GSCHWANDNER, 1920

Distr. Misahualli (NA); Baños (TU); Rio Blanco (TU).

Arsenura batesii aurantiaca LEMAIER, 1976 (colour plate XI, fig. 1)

This is a subspecies described on the holotype from Riobamba. LEMAIER (1976) argued that the type-locality should be wrong, being it too much elevated for a genus adapted to low altitude forests. Subsequently (LEMAIER, 1980) reported another specimen from Macas. There is now evidence that the type locality should be Rio Baba, on the road Santo

Domingo de los Colorados-Quevedo (see also Lemaire, 1977; LEMAIRE & VENEDICTOFF, 1989), the specimen reported here having been collected near Quevedo (2 km E), in west Ecuador. Distr. Quevedo (LR).

Dysdaemonia boreas (CRAMER, 1775)
Distr. Misahualli (NA); Tandapi (PI).

Titaea tamerlan nobilis (SCHAUS, 1912)
Distr. Tandapi (PI); Uzhcurumi (EO).

Titaea lemoulti (SCHAUS, 1905)
Distr. Rio Blanco (TU).

Paradaemonia platydesmia (ROTHSCHILD, 1907)
Distr. Misahualli (NA).

Rhescyntis hippodamia hippodamia (CRAMER, 1777)
Distr. Paquisha Loma, Tena (NA).

Rhescyntis hippodamia colombiana BOUVIER, 1927
Distr. Tandapi (PI); Puerto Quito (PI); Quevedo (LR).

Copiopteryx semiramis andensis LEMAIRE, 1974
Distr. Alluriquin (PI); Uzhcurumi (EO).

Ceratocampinae

Eacles imperialis cacicus (BOISDUVAL, 1868)
Distr. Misahualli (NA); Talag (NA); Baños (TU).

Eacles penelope (CRAMER, 1775)
Distr. Misahualli (NA); Rio Blanco (TU).

Eacles masoni fulvaster ROTHSCHILD, 1907
Distr. Misahualli (NA).

Eacles ormondei niepelti DRAUDT, 1930
Distr. Tandapi (PI).

Eacles ormondei peruviana BOUVIER, 1927
Distr. Misahualli (NA).

Bathyphlebia eminens (DOGNIN, 1891)
Distr. Rio Blanco (TU).

Citheronia harmifera harmifera ROTHSCHILD, 1907

Distr. Misahualli (NA); Puerto Napo (NA).

Citheronia andina LEMAIRE, 1971

Distr. Rio Blanco (TU).

Citheronia aroa SCHAUS, 1896

Distr. Misahualli (NA).

Citheronia equatorialis BOUVIER, 1927

Distr. Tandapi (PI).

Citheronia collaris ROTHSCHILD, 1907

Distr. Tinalandia (PI).

Syssphinx molina (CRAMER, 1780)

Distr. Misahualli (NA); Quevedo (LR).

Syssphinx amena (TRAVASSOS, 1941)

Distr. Misahualli (NA).

Adeloneivaia subangulata subangulata (HERRICH-SCHÄFFER, 1855)

Distr. Misahualli (NA); Baños (TU).

Adeloneivaia acuta (SCHAUS, 1896)

Distr. Misahualli (NA); Baños (TU); Quevedo (LR).

Adeloneivaia catoxantha catoxantha (ROTHSCHILD, 1907)

Distr. Misahualli (NA).

Adeloneivaia boisduvalii (DOUMET, 1859)

Distr. Rio Blanco (TU).

Adeloneivaia pelias (ROTHSCHILD, 1907)

Distr. Misahualli (NA).

Adeloneivaia jason jason (BOISDUVAL, 1872)

Distr. Paquisha Loma (NA); Misahualli (NA).

Rachesa breteuili (BOUVIER, 1927)

Distr. Tandapi (PI).

Citioica anthonilis (HERRICH-SCHÄFFER, 1854)

Distr. Baños (TU); Misahualli (NA); Tena (NA).

Citioica homoea (ROTHSCHILD, 1907)

Distr. Baños (TU).

Ptiloscota descimoni LEMAIRE, 1971

This is the first record for the eastern side of the Andes. Distr. Misahualli (NA).

Ptiloscota photophila (ROTHSCHILD, 1907)

Distr. Misahualli (NA).

Saturniinae

Copaxa decrescens WALKER, 1855

Distr. Misahualli (NA); Quevedo (LR); Tandapi (PI).

Copaxa multifenestrata multifenestrata (HERRICH-SCHÄFFER, 1858)

Distr. Alluriquin (PI); Tandapi (PI).

Copaxa cineracea ROTHSCHILD, 1895 (colour plate XI, fig. 2)

Described by ROTHSCHILD (1895) on a single female specimen from an unknown locality, this species was reported recently by LEMAIRE (1978) on the basis of specimens from Peru, Chanchamayo, and Lumbaquí, north Ecuador. The two females reported herein are characterized by the variability in the number of the transparent ocelli of both wings. The male is very similar to that figured by LEMAIRE (1978) from Peru.

Distr. Misahualli (PI); Puerto Napo (PI).

Rothschildia erycina erycina (SHAW, 1796)

Distr. Misahualli (NA); Cantagallo (SU).

Rothschildia lebeau lebeau (GUÉRIN-MENEVILLE, 1868)

Distr. Quevedo (LR).

Rothschildia hesperus hesperus (LINNAEUS, 1758)

Distr. Misahualli (NA); Pununo (NA).

Rothschildia arethusa rhodina JORDAN, 1911

Distr. Misahualli (NA).

Rothschildia orizaba peruviana ROTHSCHILD, 1907

Distr. Misahualli (NA); El Reventador (SU).

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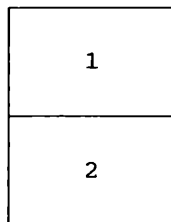
References

- LEMAIRE, C. (1976): Description d'Attacidae inédits de l'Amérique latine (Lep.). – *Lambillionea* **76**:25–36.
- LEMAIRE, C. (1977): Biogéographie des Attacidae de l'Équateur (Lepidoptera), pp. 223–306. In H. DESCIMON (Ed.). *Biogéographie et évolution en Amérique tropicale*. – Publ. lab. zool. E. N. S. **9**.
- LEMAIRE, C. (1978): Les Attacidae américains. The Attacidae of America (= Saturniidae). Attacinae. – 238 pp, 49 pls. Lemaire ed., Neuilly-sur-Seine.
- LEMAIRE, C. (1980): Les Attacidae américains. The Attacidae of America (= Saturniidae). Arsenurinae. – 199 pp, 76 pls. Lemaire ed., Neuilly-sur-Seine.
- LEMAIRE, C. & N. VENEDICTOFF (1989): Catalogue and biogeography of the Lepidoptera of Ecuador. I Saturnidae. With a description of a new species of *Meroleuca* PACKARD. – *Bul. Allyn Mus.* **129**:1–60.
- ROTHSCHILD, W. (1895): Notes on Saturniidae; with a preliminary revision of the family down to the genus *Automeris*, and descriptions of some new species. – *Novit. zool.* **2**:35–51.

Explanation of colour plate XI (p. 439)

Fig. 1: *Arsenura batesii aurantiaca* LEMAIRE, ♂, Ecuador, Los Rios, Quevedo 2 km E, 31 december 1986.

Fig. 2: *Copaxa cineracea* ROTHSCHILD, ♀, Ecuador, Napo, Misahualli, 17–21 april 1992.



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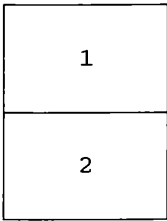
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Colour plate XI

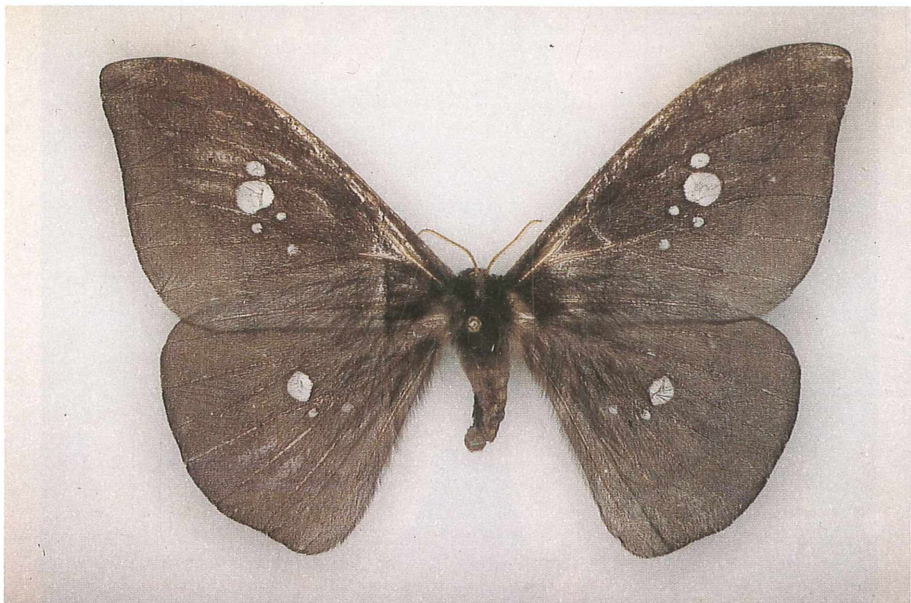
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Fig. 1: *Arsenura batesii aurantiaca* LEMAIRE, Male, Ecuador, Los Rios, Quevedo 2 km E, 31 december 1986.

Fig. 2: *Copaxa cineracea* ROTHSCHILD, Female, Ecuador, Napo, Misahualli, 17–21 april 1992.



Colour plate XI



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