

Some notes on Ecuadorian Saturniidae II

(Lepidoptera, Hemileucinae)

by

LUIGI RACHELI

received 15.1.1994

In the present paper the author gives an account of 60 Hemileucinae collected in Ecuador during august 1982, december 1986, may–june 1992, april–may 1993, and october–november 1993. New distributional data of some scarcely known species, such as *Automeris styx*, *Automeris denticulata*, *Leucanella newmanni*, *Pseudoautomeris pohli*, *Hylesia teratex*, *Hylesia indurata*, *Pseudodirphia menander*, improve the Catalogue of ecuadorian Saturniidae (LEMAIRE & VENEDICTOFF, 1989). Some difficulty arises on the classification of the species of the genus *Hylesia*, and about 8 taxa are still under investigation.

Abbreviations

Pichincha (PI); Napo (NA); Los Rios (LR); Tungurahua (TU); Morona-Santiago (MS); Guayas (GU); Distr. = Collecting sites.

Lonomia (Lonomia) descimoni descimoni LEMAIRE, 1972

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

Lonomia (Lonomia) achelous achelous (CRAMER, 1777)

Distr. Misahualli (NA).

Catacanta stramentalis (DRAUDT, 1929)

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

Automeris janus (CRAMER, 1775)

Reported by LEMAIRE & VENEDICTOFF (1989) for Lumbaqui, Sangay, Limon 16–17 km, and Zamora.

Distr. Misahualli (NA); Macas (MS).

Automeris egeus (CRAMER, 1775)

Distr. Misahualli (NA).

Automeris hamata SCHAUS, 1906

Distr. S. Domingo (PI); Quevedo (LR); Misahualli (NA); S. Rosa (NA).

Automeris duchartei BOUVIER, 1936

The identification of *A. duchartei*, *A. cinctistriga*, and *A. fieldi*, of the same species group (LEMAIRE, 1971), is difficult also because of the variability of male genitalic structure.

Distr. Huacamayo S. Elena (NA).

Automeris cinctistriga (R. FELDER & ROGENHOFER, 1874)

Distr. Tena (NA); Macas (MS).

Automeris liberia (CRAMER, 1780)

Distr. Macas (MS); Pununo (NA); Tena (NA); Rio Blanco (TU).

Automeris banus argentifera LEMAIRE, 1966

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

Automeris amanda subobscura WEYMER, 1909

Distr. Huacamayo S. Elena, 1800 m (NA).

Automeris denticulata CONTE, 1906

Distr. Tena, Paquisha Loma (NA).

Automeris belti zaruma SCHAUS, 1921

Distr. Alluriquin (PI).

Automeris styx LEMAIRE, 1982

The species was originally described by LEMAIRE (1982) from Peru, Tingo Maria, Huanuco, 800 m, and subsequently found in Ecuador, Limon km 22.5, Morona Santiago, about 850 m (LEMAIRE & VENEDICTOFF, 1989). The altitudinal range of the species seems to fit the transitional belt between the eastern rain forest and pre-montane forest.

Distr. Misahualli (NA).

Automeris pomifera SCHAUS, 1906

Distr. Huacamayo S. Elena, 1800 m (NA).

Automeris schwartzi LEMAIRE, 1967

Distr. Misahualli (NA).

Automeris orestes (BOISDUVAL, 1875)

Distr. Rio Blanco (TU).

Automeris grammodes JORDAN, 1912

Distr. Alluriquin (PI); Huacamayo S. Elena (NA).

Leucanella lynx (BOUVIER, 1930)

Distr. Tandapi (PI).

Leucanella contaeptha contaeptha (LEMAIRE, 1967)

Distr. Tena (NA).

Leucanella newmanni (LEMAIRE, 1967)

Reported by LEMAIRE & VENEDICTOFF (1989) for Lumbaqui and Puente Azuela, this species has been collected in the upper Pastaza valley at Rio Blanco, 1600 m. Although a scarce

species, it is probably widely distributed in the pre-Andean area.

Distr. Rio Blanco (TU).

Pseudoautomeris pohli LEMAIRE, 1967

Distr. Tena (NA).

Pseudoautomeris irene armirene (STRAND, 1920)

Distr. Misahualli (NA); Huacamayo, S. Elena (NA).

Pseudoautomeris lata (CONTE, 1906)

Distr. Tena (NA).

Gamelia abasia (STOLL, 1781)

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

Gamelia neidhoeferi LEMAIRE, 1967

Distr. Huacamayo S. Elena (NA).

Hyperchiria nausica (CRAMER, 1779)

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

Automerina (Automerina) cypria (GMELIN, 1790)

Distr. Misahualli (NA).

Automerina (Automerula) auletes (HERRICH-SCHÄFFER, 1854)

Distr. Misahualli (NA).

Hylesia nanus (WALKER, 1855)

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

Hylesia coex rex DYAR, 1913

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

Hylesia athlia DYAR, 1913

Distr. Misahualli (NA).

Hylesia continua colombiana DOGNIN, 1922

Distr. Alluriquin (NA).

Hylesia olivenca SCHAUS, 1927

Distr. Macas (MS).

Hylesia bouvereti DOGNIN, 1889

Distr. Cosanga (6 km S.) (NA).

Hylesia umbrata SCHAUS, 1911

Distr. Misahualli (NA); Macas (MR); Quevedo (LR); Alluriquin (PI).

Hylesia teratex DRAUDT, 1929

The species is known only for Lumbaquí, 829 m (LEMAIRE & VENEDICTOFF, 1989).

Distr. Misahualli (NA).

Hylesia mymex DYAR, 1913

Distr. Misahualli (NA).

Hylesia indurata DYAR, 1910

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

Hylesia praeda DOGNIN, 1901

Distr. Misahualli (NA); Alluriquin (NA); Tandapi (NA).

Hylesia index DYAR, 1913

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

Hylesia melanostigmata (HERRICH-SCHÄFFER, 1855)

Distr. Misahualli (NA); Gualaquiza (MS).

Hylesia gyrex DYAR, 1913

Distr. Misahualli (NA).

Molippa nibasa (MAASSEN, 1885)

Distr. Misahualli (NA).

Molippa latemedia (DRUCE, 1890)

Distr. Misahualli (NA).

Paradirphia geneforti (BOUVIER, 1923)

Distr. Huacamayo S. Elena (NA); Cosanga (7 km S.) (NA).

Paradirphia oblita oblita (LEMAIRE, 1976)

Distr. Macas (MS); Misahualli (NA).

Cerodirphia wellingi LEMAIRES, 1973

Distr. Huacamayo S. Elena (NA).

Cerodirphia mota napoensis LEMAIRES, 1982

Distr. Huacamayo S. Elena (NA).

Cerodirphia nadiana LEMAIRES, 1975

Described by LEMAIRES (1975) from a specimen from Baeza (1 km W, 1950 m), and subsequently reported from Baeza 2002 m, and Cosanga (km 6–10.2 S.) (LEMAIRE & VENEDIC-

TOFF 1989). Probably the species has a very restricted range.
Distr. Huacamayo S.Elena (NA).

Dirphia crassifurca LEMAIRE, 1971
Distr. Huacamayo S. Elena (NA).

Dirphia avia (STOLL, 1782)
Distr. Tena (NA); Rio Topo (TU); Macas (MS).

Dirphia panamensis (SCHAUS, 1921)
Distr. Misahualli (NA); Pununo (NA).

Dirphia fraterna fraterna (R. FELDER & ROGENHOFER, 1874)
Distr. Misahualli (NA); Puerto Napo (NA).

Dirphia thliptophana thliptophana (R. FELDER & ROGENHOFER, 1874)
Distr. Misahualli (NA); Huacamayo S. Elena (NA); Macas (MS).

Periphoba hircia (CRAMER, 1775)
Distr. Pununo (NA); Misahualli (NA).

Pseudodirphia agis agis (CRAMER, 1775)
Distr. Misahualli (NA); Tzazayacu (NA); Puerto Napo (NA).

Pseudodirphia eumedidoides (VUILLOT, 1892)
Distr. Misahualli (NA); Tzazayacu (NA).

Pseudodirphia andicola BOUVIER, 1930
Distr. Cosanga (6 km. S) (NA).

Pseudodirphia menander (DRUCE, 1886)
Apparently known only for Tinalandia (LEMAIRE & VENEDICTOFF, 1989).
Distr. Guayaquil (GU).

Acknowledgements

The author wishes to express his thanks to Prof. GIONANNI ONORE, Museo de Zoologia, Universidad Catolica de Quito, for his help, and to Dr. CLAUDE LEMAIRE for useful informations and reprints.

References

LEMAIRE, C. (1971): Revision du genre *Automeris* HÜBNER et des genre voisins. Biogeographie, ethologie, morphologie, taxonomie. (Lep. Attacidae). – Mem. Mus. Nat. Hist. Nat. (N.S.) **68**: 1–232.

- LEMAIRE, C. (1975): Description de six Attacidae nouveaux de l'Equateur. (Lep.). – Lambillionea **75** (bis): 52–68.
- LEMAIRE, C. (1988): Vingt-huit Saturniidae neotropicaux inedits (Lep.). – Anns Soc. ent. Fr. (N.S.) **18** (1): 55–88.
- LEMAIRE, C. & N. VENEDICTOFF (1989): Catalogue and biogeography of the Lepidoptera of Ecuador. I Saturniidae. With a description of a new species of *Meroleuca* PACKARD. – Bull. Allyn Mus. **129**: 1–60.

address of the author

LUIGI RACHELI
Via Fara Sabina 1
I-00199 Rome
Italy