

## Additions and corrections to the lists of Ecuadorian Saturniidae

(Lepidoptera: Saturniidae)

by

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### Abstract

New distributional data of Saturniids in Ecuador are reported as well as corrections to previous lists.

This is an additional list of records of Saturniidae collected in Ecuador during four collecting trips in October–November 1993, July–August 1994, July–August 1996 and April–May 1997. Some data are also reported from material examined in some Museums and private collections, including also corrections to the lists of RACHELI (1994, 1995b).

New distributional data for *Arsenura s. sylla*, *Rhescyntis descimoni*, *Grammopelta lineata*, *Eacles callopteris*, *Automeris phrynon*, *Hylesiopsis festiva*, *Cerodirphia candida* and *Rothschildia jorulloides* are included.

All the specimens reported below are in the collection of the author otherwise stated.

### Abbreviations

Sucumbíos (SU); Pichincha (PI); Napo (NA); Pastaza (PA); Guayas (GU); Esmeraldas (ES); Tungurahua (TU); Cañar (CA); Los Rios (LR).

MJP = Museo de Historia Natural "Javier Prado", Lima.

PUCE = Pontificia Universidad Católica, Quito.

SN = coll. S. NAUMANN, Berlin.

ZSBS = Zoologische Saamlungen des Bayerischen Staates, München.

### Systematic list

#### Arsenurinae

##### *Arsenura armida* (CRAMER, 1779)

Remarks: This is a common species reported for different localities on eastern side of the Andes (see LEMAIRE & VENEDICTOFF, 1989; RACHELI, 1994). Four males were collected at Tena (NA), 3.–12.VII. 1994, and one male at El Reventador (SU).

##### *Arsenura mossi* JORDAN, 1922

Remarks: In Ecuador, it is an occasional species known only for some localities (see LEMAIRE & VENEDICTOFF, 1989; RACHELI, 1995b; RACHELI & RACHELI, in press).

Two males were recently collected along the Road Puyo-Tena km 25, at Rio Llandia (PA), 1100 m, 9.XI.1996, O. VELASTEGUI leg.

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1 5th contribution to the knowledge of the Saturniidae of Ecuador.

*Arsenura rebeli* GSCHWANDNER, 1920

Remarks: A very common species during the months of July–August also at low elevation, around 450 m. It is considered a typical Andean species distributed in Ecuador between 450 to 1800 m. Four males were collected at Tena (NA), 3.–8.VIII.1994.

*Arsenura sylla sylla* (CRAMER, 1779)

Remarks: This is a very uncommon species in the country, reported by LEMAIRE & VENEDICTOFF (1989) only for Lumbaquí (SU). One male of this species was recently collected along the Road Puyo–Tena km 25, at Rio Llandia (PA), 1100 m, 9.XI.1996. O. VELASTEGUI leg.

*Arsenura batesii arcaei* DRUCE, 1886

Remarks: Six males of this taxon were collected at Alluriquin, 9.–15.V.1997, and additional five at Los Bancos, 20.–25.IV.1997, both localities in the Pichincha Province.

*Dysdaemonia boreas* (CRAMER, 1775)

Remarks: A common species distributed from Mexico to Bolivia. One male was collected at Tena (NA), 16.–18.VII.1994.

*Titaea tamerlan amazonensis* LEMAIRE, 1980

Remarks: An occasional species, widely distributed in eastern Ecuador between 300–1200 m. One male was collected at Tena (NA), 20.–31.VII.1994.

*Titaea lemoulti* (SCHAUS, 1905)

Remarks: One male of this occasional species was collected at Santa Rosa, along the road Tena–Puyo (NA), in June 1993.

*Rhescyntis hippodamia colombiana* BOUVIER, 1927

Remarks: Apparently this subspecies is more scarce than the nominate subspecies, which is distributed along the eastern side of the Andes and in the Amazonian basin. Two males have been collected at La Troncal (CA), in March 1994.

*Rhescyntis hermes* (ROTHSCHILD, 1907)

Remarks: An occasional species, one male was collected at Loreto Rd. km 40 (NA), 1200 m, 7.XII.1996, O. VELASTEGUI leg.

*Rhescyntis descimoni* LEMAIRE, 1975

Remarks: An endemism of the eastern Ecuador, recorded only for the Sucumbios, Napo and Morona-Santiago provinces. One male and one female were collected at Loreto Rd. km 40 (NA), 1200 m, 7.XII.1996, O. VELASTEGUI leg.

*Paradaemonia platydesmia* (ROTHSCHILD, 1907)

Remarks: This is a fairly common species, reported for different localities on the eastern slope of the Andes (LEMAIRE & VENEDICTOFF, 1989; RACHELI, 1994). One male was collected at Tena (NA), 20.–31.VII.1994.

*Copiopteryx semiramis andensis* LEMAIRE, 1974

Remarks: This is occasional and probably more common than the nominate subspecies which is spread on the eastern slope of the Andes and in the Amazon basin. Two males were collected at La Troncal (CA), in march 1994.

*Grammopelta lineata* (SCHAUS, 1906)

Remarks: In Ecuador, it is a widespread species reported for both sides of Andes by LEMAIRE & VENEDICTOFF (1989). It is here reported one male from Tena (NA), 520 m, 18.VII.1997, O. VELASTEGUI leg. This is the fourth ecuadorian record.

Ceratocampinae

*Eacles penelope* (CRAMER, 1775)

Remarks: Ten males of this common species were collected at Tena (NA), in July 1994.

*Eacles masoni tyrannus* DRAUDT, 1930

Remarks: Six males and one female of this taxon were collected at Los Bancos (PI), 20.–25.IV.1997

*Eacles callopteryx* ROTHSCCHILD, 1907

Remarks: An uncommon andean species. Two males are reported from Loreto Rd. km 21–24 (NA), Rio Chalua Yacu, 1200 m, 7.–9.VII.1997, O. VELASTEGUI leg.

*Bathyphlebia eminens* (DOGNIN, 1891)

Remarks: I have examined in MJP one male of this species from Morona-Santiago, Cordillera del Condor, Coangos 20 km E of Gualaquiza, 1500–1600 m, 17.–20.VII.1993, T. PARKER leg. Another male from Napo, Cosanga-Pangayacu PK 16,5, 1915 m, 10.VIII.1993, D. HERBIN leg. was examined in coll. SN.

*Citheronia bellavista bellavista* DRAUDT, 1930

Remarks: One female of this species from Rio Palenque (Quevedo) (LR), 10.IV.1977, G. ZUFFI leg., was examined in coll. SN. Additional female from P. Vicente Maldonado (PI), Rio Pitzara, 300 m, 11.–25.1.1996 G. RODRIQUEZ leg. was examined in PUCE.

*Syssphinx quadrilineata occlusa* (DOGNIN, 1916)

Remarks: A species known only for five localities in Ecuador. One male is here reported from Rd. S. Domingo–Aloag km 12 (PI), 28.–31.VII.1994.

*Ptiloscola photophila* (ROTHSCHILD, 1907)

Remarks: *Ptiloscola descimoni* LEMAIRE, 1971 was erroneously reported by RACHELI (1994) for Misahualli (NA). The data reported is to ascribe to *Ptiloscola photophila* (see also RACHELI, 1995c).

Hemileucinae

*Lonomia columbiana* (LEMAIRE, 1972)

Remarks: One male of this species was collected at El Triunfo (CA), June–July 1989. Additional three females were recently collected at Alluriquin (PI), 9.–15.V.1997.

*Automeris larra* (WALKER, 1855)

Remarks: One male of this species was collected at Pununo (NA), 7.II.1997, O. VELASTEGUI leg.

*Automeris postalbida* SCHAUS, 1900

Remarks: A common species. Seven males were collected at Alluriquin (PI), 9.–15.V.1997

*Automeris phrynon* DRUCE, 1897

Remarks: Apparently, a very scarce species reported by LEMAIRE & VENEDICTOFF (1989) only for two localities. One female from Cañar province [? El Triunfo], 500 m, 1983, one male, e.o., 15.I.1991, on Salix, ex La Troncal (CA), 600 m, D. HERBIN leg., and an additional female from Cochanchay, T. Yanayacu (CA), June 1975, G. ZUFFI leg., were examined in coll. SN. Another female from the latter locality, with data 10.II.1977, is also in the collection of the author.

One female from Puerto Quito (PI), bred on *Terminalia* spec., was examined in PUCQ.

*Automeris hamata* SCHAUS, 1906

Remarks: A common species collected at Tena (NA), Alluriquin (PI), El Triunfo (CA) and at La Troncal (CA).

*Automeris duchartrei* BOUVIER, 1936

Remarks: The specimens, reported by RACHELI (1995b), as *Automeris cinctistriga* (FELDER & ROGENHOFER, 1874) for Tena and Macas, are *Automeris duchartrei*. In fact, *Automeris cinctistriga* is a typical guiano-amazonian species reported only for five localities situated in the Sucumbios and the Napo provinces (see also LEMAIRE & VENEDICTOFF, 1989; RACHELI, 1995a).

*Automeris belti zaruma* SCHAUS, 1921

Remarks: This species was collected at La Troncal (CA), two males in march 1994, and at El Triunfo (CA), two males in June–July 1989.

*Automeris vomona pichichensis* LEMAIRE, 1976

Remarks: An endemism of western Ecuador. One male was collected at Tandapi (PI), 15.X. 1993.

*Automeris annulata annulata* SCHAUS, 1906

Remarks: One male was collected along the Road Puyo–Tena km 25, at Rio Llandia (PA), 1100 m, 8.XI.1996, O. VELASTEGUI leg.

*Automeris harrisorum* LEMAIRE, 1967

Remarks: Apparently, it is a very scarce species in Ecuador. One male was collected at Tena (NA), 12.III.1997

*Automeris schwartzi* LEMAIRE, 1967

Remarks: A scarce amazonian species reported by LEMAIRE & VENEDICTOFF (1989) only for two localities. One male is here reported from Coca (NA), V.1986, E. MARTINEZ leg., in PUCE.

*Automeris alticola* LEMAIRE, 1975

Remarks: An ecuadorian endemism, reported by LEMAIRE & VENEDICTOFF (1989) only for three localities. Two males were collected at Cosanga (NA), 7 km SE, 22.X.1993.

*Leucanella flammans* (SCHAUS, 1900)

Remarks: A western andean species reported by LEMAIRE & VENEDICTOFF (1989) for three localities. Two males of this species were collected at Alluriquin (PI) 9.–11.V.1997

*Automerina cypria* (GMELIN, 1790)

Remarks: A typical amazonian and eastern andean species. Four females of this species were collected at Tena (NA), 3.–8.VIII.1994.

*Automerula auletes* (HERRICH-SCHÄFFER, [1854])

Remarks: Some males of this species were collected at Tena (NA), during July and August 1994.

*Hylesiopsis festiva* (BOUVIER, 1929)

Remarks: Apparently it is a very uncommon species, reported by LEMAIRE & VENEDICTOFF (1989) only for the Cordillera de Huacamayos. One male of this species was collected at Loreto Rd. km 21–24 (NA), Rio Chaluva Yacu, 1200 m, 15.XII.1996, O. VELASTEGUI leg.

*Cerodirphia candida* LEMAIRE, 1969

Remarks: Apparently, an uncommon species reported by LEMAIRE & VENEDICTOFF (1989) only for Tinalandia. One male of this species was collected at S. Domingo de los Colorados, XII.1981, four males and five females at Alluriquin, 9.–15.V.1997 and one male came from Tandapi, 13.–15.V.1997. All the ecuadorian records came from the Pichincha province.

*Periphoba hircia* (CRAMER, 1775)

Remarks: An occasional amazonian species. One male was collected at Tena (NA).

*Dirphiopsis unicolor* LEMAIRE, 1982

Remarks: One male of this species from Ecuador, Oriente, Morona–Santiago, Route Gualaceo–Mendez km 43, 2200 m, 25.VII.1990, D. HERBIN & J. HAXAIRE leg. was examined in coll. SN.

*Pseudodirphia menander* (DRUCE, 1886)

Remarks: Apparently a rare species, reported only for Tinalandia (LEMAIRE & VENEDICTOFF, 1989) and Guayaquil (GU) (RACHELI, 1995b). It is here reported from El Triunfo (CA), June–July 1989 in coll. SN. Recently, ten males of this species were collected at Los Bancos (PI), 20.–25.IV.1997.

Saturniinae

*Rothschildia jorulloides* (DOGNIN, 1895)

Remarks: I have examined one male of this species in ZSBS from Esmeraldas, San Mateo (ES). With this new locality, the range of this species is extended from N Ecuador to S central Ecuador (southern part of the Andean Corridor). This distribution corresponds to the ecuadorian part of the endemic Tumbesian area (sensu BEST & KESSLER, 1995).

*Rothschildia orizaba equatorialis* (ROTHSCHILD, 1907)

Remarks: Five males of this taxon were collected at Alluriquin (PI), 9.–11.V.1997 while one male was found at Tandapi (PI), 9.–11.V.1997.

*Rothschildia aricia aricia* (WALKER, 1855)

Remarks: Apparently more scarce than the ssp. *xanthina* ROTHSCCHILD, 1907 which is distributed on the eastern slope of the Andes. Two males were collected at Tandapi (PI), 28.–31.VII.1994.

*Rothschildia aricia xanthina* ROTHSCCHILD, 1907

Remarks: One male was collected at El Chaco (NA), 9.II.1997 and an additional male at Cosanga (NA), 25.VII.1996.

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