

Distributional notes on Ecuadorian Saturniidae

(Lepidoptera)

by

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Some distributional and altitudinal data of 33 Ecuadorian Saturniidae are reported, including additional records of little known species such as *Arsenura sylla sylla* (CRAMER, 1779), *Titaea timur* (FASSL, 1915), *Copiopteryx jehovah* (STRECKER, 1874), *Grammopelta lineata* (SCHAUS, 1906), *Eacles adoxa* JORDAN, 1910, *Periga angulosa* (LEMAIRE, 1972), *Automeris caucensis* LEMAIRES, 1976, *Automerina vala* (KIRBY, 1871), *Gamelioides elainae* (LEMAIRE, 1967), *Pseudodirphia biremis* (DRAUDT, 1930) and *Copaxa expandens brunneocaeca* LEMAIRES, 1982.

Dirphia radiata DOGNIN, 1916 is reported for the first time for Ecuador. With this new record the Ecuadorian Saturniid fauna counts 275 species (see LEMAIRES & VENEDICTOFF, 1989; LEMAIRES & TERRAL, 1994; RACHELI, 1995, 1997; RACHELI & RACHELI, 1997, 1998).

All the specimens reported below are in the Pontificia Universidad Catolica, Quito, Ecuador, most collected by F. PIÑAS otherwise stated.

Arsenurinae

Arsenura armida (CRAMER, 1779)

1 ♂, Morona Santiago, Gualaquiza, 1600 m, 27.VII.95; 1 ♂, Morona Santiago, Plan Milagro, 29.IV.95; 1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 29.IX.95; 1 ♂, same data, 31.III.97, G. ONORE leg., 1 ♂, same data, 18.II.97, G. ONORE leg.

Arsenura archianassa archianassa DRAUDT, 1930

2 ♂♂, Pichincha, Alluriquin, 840 m, 30.XII.95; 3 ♂♂, same data, 20.II.95; 1 ♂, same data, 26.XII.96; 2 ♂♂, same data, 21.XII.95; 3 ♂♂, Pichincha, Tandapi, 1460 m, 3.I.97; 1 ♂, Esmeraldas, Lita, 19.II.96.

Arsenura ciocolatina DRAUDT, 1930

1 ♂, 1 ♀, Napo, Estacion Biologica at Yasuní, 350 m, 20.IX.96; 1 ♂, Pastaza, Loracachi, 20.II.96.

Arsenura rebeli GSCHWANDNER, 1920

1 ♂, Morona Santiago, Plan Milagro, 25.II.95; 1 ♂, same data, 24.V.95.

Arsenura sylla sylla (CRAMER, 1779)

2 ♂♂, Napo, Estacion Biologica at Yasuní, 350 m, 31.III.97 G. ONORE leg.

A little known species. It was reported only for Lumbaquí, Sucumbios province (LEMAIRE & VENEDICTOFF, 1989) and Rio Llandia, Pastaza province (RACHELI, in press).

1 8th contribution to the knowledge of Saturniidae of Ecuador.

Arsenura batesii batesii (FELDER & ROGENHOFER, 1874)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 15.XII.95; 1 ♂, same data, 29.IX.95; 1 ♂, same data, 18.II.97 G. ONORE leg.; 1 ♂, Pastaza, Loracachi, 20.II.96.

Arsenura batesii arcaeii DRUCE, 1886

1 ♂, Pichincha, Alluriquin, 840 m, 21.XII.95; 1 ♂, same data, 20.I.96; 3 ♂♂, Pichincha, Tandapi, 1460 m, 3.I.97; 1 ♂, Pichincha, Tinalandia, 750 m, 15.VI.96; 1 ♂, Esmeraldas, Quinindé (= Rosa Zarate), 550 m, 9.III.97

Arsenura ponderosa ponderosa ROTHCHILD, 1895

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 15.XI.96, G. ONORE leg.; 1 ♂, same data, 31.III.97, G. ONORE leg.; 1 ♂, same data, 29.IX.95.

The range of the nominotypical subspecies is the western Amazonia while the ssp. *guianensis* (ROTHCHILD, 1907) is restricted to the Guyanan subregion. In Ecuador, *Arsenura p. ponderosa* was known for four localities reported by LEMAIRE & VENEDICTOFF (1989).

Arsenura cymonia (ROTHCHILD, 1907)

1 ♀, Morona Santiago, Plan Milagro, 25.II.95.

A typical Andean species distributed between 1500 to 2100 m.

Dysdaemonia boreas (CRAMER, 1775)

1 ♂, Sucumbios, Reventador, 20.II.96; 3 ♂♂, Pichincha, Tinalandia, 750 m, 15.VI.96; 1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 20.IX.96; 1 ♂, same data, 15.XI.96; 1 ♂, same data, 18.II.97, G. ONORE leg.; 1 ♂, same data, 31.III.97, G. ONORE leg.; 1 ♀, Pichincha, Alluriquin, 840 m, 30.XII.95; 1 ♂, Esmeraldas, Quinindé (= Rosa Zarate), Quininde, 550 m, 9.III.97.

Titaea tamerlan amazonensis LEMAIRE, 1980

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 20.IX.96; 1 ♂, same data, 15.IX.95; 1 ♀, same data, 31.III.97, G. ONORE leg.

Titaea tamerlan nobilis (SCHAUS, 1912)

1 ♂, Esmeraldas, Lita, 19.II.96, P. ARMAND leg.; 3 ♂♂, Esmeraldas, Quinindé (= Rosa Zarate), 550 m, 9.III.97.

Titaea lemoulti (SCHAUS, 1905)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 18.II.96; 1 ♂, Pastaza, Montalvo, 5.X.83.

Titaea timur (FASSL, 1915)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 15.IX.95.

A scarce species known only for four localities (see LEMAIRE & VENEDICTOFF, 1989; RACHELI, 1995).

Rhescyntis hippodamia hippodamia (CRAMER, 1777)

3 ♂♂, Napo, Estacion Biologica at Yasuní, 350 m, 15.IX.96; 1 ♂, same data, 18.II.96; 3 ♂♂, same data, 18.II.97, G. ONORE leg., 1 ♂, same data, 29.IX.95; 2 ♂♂, same data, 15.XI.96.

Rhescyntis hermes (ROTHSCHILD, 1907)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 31.III.97, G. ONORE leg.; 1 ♂, same data, 18.II.97, G. ONORE leg.

Copiopteryx semiramis semiramis (CRAMER, 1775)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 31.III.97, G. ONORE leg.

Copiopteryx semiramis andensis (LEMAIRE, 1974)

1 ♂, Pichincha, Alluriquin, 840 m, 26.XII.96, G. ONORE leg.; 1 ♂, El Oro, Uzchurumi, 28.I.95.

Copiopteryx jehovah (STRECKER, 1874)

1 ♂, Sucumbios, Shushunqui, 15.XI.96, D. SANCHEZ leg.

This is a rare species in Ecuador known on three records only (see LEMAIRE & VENEDICTOFF, 1989).

Grammopelta lineata (SCHAUS, 1906)

2 ♂♂, Esmeraldas, Lita, 19.XII.96, P. ARMAND leg.

A scarce species distributed on both sides of the Andes. This is the fifth Ecuadorian records after those of LEMAIRE & VENEDICTOFF (1989) and RACHELI (in press).

Ceratocampinae

Eacles adoxa JORDAN, 1910

1 ♂, Sucumbios, El Reventador, 1400 m, 20.II.96.

A rare species reported by LEMAIRE & VENEDICTOFF (1989) only for Sucumbios, Lumbaquí and Morona Santiago, Limón km 16–17.

Adelowalkeria eugenia (DRUCE, 1904)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 18.II.96.

A rare species reported by LEMAIRE & VENEDICTOFF (1989) only for Morona Santiago, Sangay.

Adelowalkeria plateada (SCHAUS, 1905)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 18.II.96.

A scarce species reported by LEMAIRE & VENEDICTOFF (1989) only for Sucumbios, Lumbaquí and Napo, Misahualli.

Hemileucinae

Periga angulosa LEMAIRE, 1972

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 15.XI.96.

An Amazonian species reported by LEMAIRE & VENEDICTOFF (1989) only for Morona Santiago, Limón km 16–17.

Automeris caucensis LEMAIRE, 1976

1 ♂, Pichincha, Pululahua, 3000 m, 3.IX.1996; 1 ♂, Napo, Cosanga, 2000 m, 10.VIII.96

A typical Andean species distributed on both sides of the Andes.

Erythromeris obscurior LEMAIRE, 1975

1 ♂, Napo, Oyacachi, 2700–2900 m, 18.VII.1996.

A typical andean species distributed at high elevation on both sides of the Andes. It was reported by LEMAIRE & VENEDICTOFF (1989) for three localities.

Automerina vala (KIRBY, 1871)

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 31.III.1997, G. ONORE leg.; 1 ♂, same data, 18.II.1997, G. ONORE leg.

It was reported for the first time for Ecuador by RACHELI & RACHELI (1997). This species is here confirmed with two additional records.

Gamelioides elainae (LEMAIRE, 1967)

1 ♀, Napo, Oyacachi, 2700–2900 m, 18.VII.96.

This the fourth record of this endemic Ecuadorian species.

Dirphia radiata DOGNIN, 1916

1 ♂, Napo, Estacion Biologica at Yasuní, 350 m, 20.IX.96.

It is here reported for the first time for Ecuador.

Pseudodirphia biremis (DRAUDT, 1930)

1 ♂, Morona Santiago, Plan Milagro 25.II.95; 1 ♂, Loja Prov., Loja, Bosque Podocarpus, 22.V.1996, F. SALAZAR leg.

LEMAIRE & VENEDICTOFF (1989) listed this species only on the basis of "Macas" record by DRAUDT (1930). This species was described on two females from "Santa Catarina" (Brazil) and from "Macas". Subsequently, LEMAIRE & JANZEN (1996) report as correct only the locality "Macas" and restrict the range of this species from Colombia to southern Ecuador.

Saturniinae

Copaxa expandens brunneocaeca LEMAIRE, 1982

1 ♂, Morona Santiago, Plan Milagro, 24.III.95.

It was known only for the type locality, Morona Santiago, Santa Rosa (see LEMAIRE, 1982; LEMAIRE & VENEDICTOFF, 1989). This the second Ecuadorian record.

Peruvian specimens were recently examined in the collection of S. NAUMANN (Berlin), the range of this subspecies is then extended from Ecuador to Southern Peru.

Copaxa medea (MAASSEN, 1890)

1 ♂, Cañar prov., Cañar, La Carboneria, 2850 m, 18–19.I.1996, F. SALAZAR leg.

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