

Observations on Ecuadorian Hawkmoths

(Lepidoptera, Sphingidae)

by

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Abstract: A preliminary list of Ecuadorian Sphingidae is reported and 80 species are provisionally listed; *Xylophanes xylobotes* is recorded for the first time, and *Xylophanes zurcheri* and *Protambulyx goeldii* are confirmed for Ecuador.

Even though more than 150 species are recorded (SCHREIBER, 1978), the Sphingidae of Ecuador are systematically and faunistically very scarcely known if compared to those of other neotropical countries (MOSS, 1912, 1920; SEIFERT, 1974; HABER, 1983; HEXAIRE & RASPLUS, 1987; LAMAS, 1985).

After the publication of the monographic revision of world Sphingidae by ROTHSCCHILD & JORDAN (1903), Ecuadorian hawkmoths were neglected by all but CAMPOS (1931) who compiled a list of material collected especially in the Guayaquil area, and literature citations from Loja and Galapagos islands. Unfortunately many of his records are uneasily identifiable.

During four field collecting trips done August 1981, December 1986, May–June 1992, and April–May 1993 the authors report on a preliminary Checklist of Sphingids of Ecuador. The species Marked with an asterisk, were collected at the given localities and otherwise records from literature are cited. For completeness, a list of all the species reported by SCHREIBER (1978) from Ecuador has been compiled. No attempt was made to define the many species-complexes which occur in south America, such as *X. amadis*, *X. crotonis*, *M. diffissa*, *E. satellitia*, which all need biological revisions.

Abbreviations: Galapagos Is. (GA); Imbabura (IM); Esmeraldas (ES); Sucumbios (SU); Pichincha (PI); Napo (NA); Cotopaxi (CO); Los Rios (LR); Bolivar (BO); Chimborazo (CH); Tungurahua (TU); Pastaza (PA); Guayas (GU); Cañar (CN); Morona Santiago (MS); El Oro (EO); Loja (LO); Zamora Chinchipe (ZC).

TL: Type locality; (R&J): ROTHSCCHILD & JORDAN (1903); Distr.: collecting sites.

List of species

**Aellopos ceculus* CRAMER, 1777: TL Surinam.

Uncommon. Distr. Misahualli (NA).

A. clavipes ROTHSCCHILD & JORDAN, 1903. TL "Guadalajara".

Distr. Zamora (ZC) (ROTHSCCHILD, 1919).

A. fadus CRAMER, [1776]. TL Surinam.

A. tantalus LINNAEUS, 1758. TL "Calidis regionibus"

A. titan CRAMER, [1777]. TL Surinam.

**Agrius cingulatus* FABRICIUS, 1775. TL "America"

Uncommon, abundant when migratory. Distr. Tandapi (PI); Quevedo (LR); Puerto Quito (PI); S.Juan (PI). Present also in the Galapagos Is.

Aleuron carinata WALKER, 1856. TL Para.

A. chloroptera PERTY, 1834. TL "Brasil austr."

A. cymographum ROTHSCCHILD & JORDAN, 1903. TL Bolivia, Rio Songo.

A. iphis WALKER, 1856. TL Brazil.

A. neglectum ROTHSCCHILD & JORDAN, 1903. TL Rio Cachyaco, Peru.

Amphimoea walkeri BOISDUVAL, 1875. TL Oyapock.

**Amplypterus* (= *Adhemarius*) *dentoni* CLARK, 1916. TL Chanchamayo, Peru.

Infrequent. Distr. Tandapi (PI).

**A. gannascus* STOLL, 1790. TL "Cap. b. spei"

Common. Distr. Rio Blanco (TU); Tandapi (PI); La Palma (PI); Quinindè (ES); Los Bancos (PI); Puerto Quito (PI); Chiriboga (PI); Santo Domingo (PI); Baeza (NA); El Reventador (SU).

**A. palmeri* BOISDUVAL, 1875. TL Brazil.

= *brasiliensis* CLARK, 1916. TL Rio de Janeiro.

Rare. Distr. Tandapi (PI).

A. sexoculata GROTE, 1867 TL Brasil.

**A. tigrina* FELDER, 1874. TL "Venezuela"

Uncommon. Distr. Zamora (ZC) (ROTHSCCHILD, 1919); Loja (LO), (R&J). Rio Blanco (TU); Rio Topo (TU); via Hollin-Loreto km 7 (NA).

**A. ypsilon* ROTHSCCHILD & JORDAN, 1903. TL Costa Rica.

Uncommon. Dist. Balzapamba (BO), (R&J); Rio Blanco (TU); San Rafael (NA); Puerto Quito (PI).

**Callionima denticulata* SCHAUS, 1895. TL Jalapa, Mexico.

Occasional. Distr. Puerto Quito (PI); Macas (MS).

**C. inuus* ROTHSCHILD & JORDAN, 1903. TL Rio Cachyaco, Peru.

Occasional. Distr. Macas (MS).

**C. nomius* WALKER, 1856. TL Brazil.

Occasional. Distr. Puerto Quito (PI).

C. pan CRAMER, 1779. TL Surinam.

**C. parce* FABRICIUS, 1775. "Brasília"

= *C. parthenope* ZIKAN, 1935. It is considered a synonym, see SOARES (1993).

Occasional. Distr. Montalvo (ES); Rio Blanco (TU).

**Cocytius antaeus maedor* STOLL, 1782. TL Surinam.

Common and localized. Distr. Santo Domingo (PI); Alto Tambo (ES); Misahualli (NA); Tandapi (PI).

C. beelzebuth BOISDUVAL, 1875. TL Brazil.

**C. duponchel* POEY, 1832. TL Cuba.

Occasional. Distr. Puerto Quito (PI).

C. lucifer ROTHSCHILD & JORDAN, 1903. TL Jalapa, Mexico.

C. mortuorum ROTHSCHILD & JORDAN, 1903. TL Allianca, Rio Madeira.

Enyo bathus ROTHSCHILD, 1904. TL Huancabamba, Cerro de Pasco, Peru.

E. cavifer ROTHSCHILD & JORDAN, 1903. TL Rio Dagua.

Distr. Quevedo (LR) (ROTHSCHILD, 1919).

**E. gorgon* CRAMER, 1777. TL Surinam.

Occasional. Distr. Puerto Quito (PI); Misahualli (NA).

E. japix japix CRAMER, 1776. TL "N. York"

**E. lugubris lugubris* LINNAEUS, 1771. TL "Antigua".

Common. Distr. Baños (TU); Las Pampas (CO); Misahualli (NA); Isla Isabela (GA, as ssp. *delanoi* KERNBACH).

**E. ocypete* LINNAEUS, 1758. TL "calidis regionibus"

Occasional. Distr. Pacayac̃ (PA); Macas (MS); Misahualli (NA).

E. pronoe pronoe DRUCE, 1894. TL Chiriqui.

**E. taedium* SCHAUS, 1890. TL Jalapa.

Infrequent. Distr. Misahualli (NA); Tandapi (PI).

**Erinnyis alope* DRURY, 1773. TL Jamaica.

Common. Distr. Baños (TU); Rio Blanco (TU); Palo Quemado (CO); Las Pampas (CO); Chiriboga (PI); Machachi (PI); Puerto Quito (PI); Macas (MS); Puerto Napo (NA). Present also in the Galapagos Is. as ssp. *dispersa* KERNBACH.

E. crameri SCHAUS, 1898. TL "Tropical America, Florida"

**E. ello* LINNAEUS, 1758. TL "Indiis"

Common. Distr. Tandapi (PI); Puerto Quito (PI); S. Juan (PI); Los Bancos (PI); Puerto Napo (NA); Alluriquin (PI). Distributed also in the Galapagos Is. as ssp. *encantada* KERNBACH.

**E. lassauxii* BOISDUVAL, 1859. TL Buenos Ayres.

f. *omphaleae* BOISDUVAL, 1870. TL Nicaragua.

Uncommon. Distr. Macas (MS). Reported by Campos (1931) for Guayaquil (GU), Durán (GU) and Loja (LO).

E. obscura obscura FABRICIUS, 1775. TL "America"

ssp. *conformis* ROTHSCHILD & JORDAN, 1903, Galapagos.

E. oenotrus CRAMER, [1782]. TL Surinam.

Uncommon. Distr. Rio Topo (TU).

**Eumorpha anchemola* CRAMER, [1780]. TL Surinam.

Infrequent. Distr. Puerto Quito (PI); Misahualli (NA).

**E. capronnieri* BOISDUVAL, 1875. TL Oyapock.

Common and abundant. Distr. Paramba (R&J); Misahualli (NA); Rio Blanco (TU); Coca (NA); Puerto Quito (PI); via Puerto Quito km 113 (PI).

E. cissi SCHAUFUSS, 1870. TL "Venezuela"

Distr. Zamora (ZC) (ROTHSCHILD, 1919).

E. drucei ROTHSCHILD & JORDAN, 1903. TL Ecuador.

Distr. Guayaquil (GU) (ROTHSCHILD, 1919).

E. eacus CRAMER, [1780]. TL Surinam.

Dist. Paramba (IM), (R&J).

**E. fasciata* SULZER, 1776. TL "America"

Localized and common. Distr. Tandapi (PI); Quito (PI); Puenbo (PI); San Juan (PI). Reported from the Galapagos Is. as ssp. *tupaci* KERNBACH.

**E. labruscae* LINNAEUS, 1758. TL "America"

Occasional. Distr. Quevedo (LR); Misahualli (NA); Alluriquin (PI); Baños (TU); San Juan (PI); Las Pampas (CO); Quito (PI); Lacochoa (PI); Isla Isabela (GA, as spp. *yupanquii* KERNBACH).

E. obliqua ROTHSCILD & JORDAN, 1903. TL Rio Dagua.
Distr. Zamora (ZC) (ROTHSCILD, 1919); Paramba (IM), (R&J).

**E. phorbas* CRAMER, 1775. TL "Indiis occ."
Occasional. Distr. Puerto Quito (PI); Misahualli (NA).

**E. satellitia* LINNAEUS, 1771. TL Jamaica.
? = *E. macasensis* CLARK, 1922. TL Macas.
Uncommon. Distr. Puerto Quito (PI); Rio Topo (TU); Tandapi (PI).

**E. triangulum* ROTHSCILD & JORDAN, 1903. TL Huatuxco, Veracruz.
Common. Distr. Zamora (ZC) (ROTHSCILD, 1919); Baños (TU); Las Pampas (CO); Chiriboga (PI); Misahualli (NA); Tandapi (PI); Rio Blanco (TU); Coca (NA); Puerto Quito (PI); Santo Domingo (PI); Los Bancos (PI); Puerto Napo (NA).

**E. vitis* LINNAEUS, 1758. TL "America"
Common. Distr. Pununo (NA); Macas (MS); Coca (NA); Misahualli (NA).

Eupyrrhoglossum sagra POEY, 1832. TL Cuba.
Reported by CAMPOS (1931) for Loja (LO).

E. corvus BOISDUVAL, 1870. TL Nicaragua.

Euryglottis albostigmata ROTHSCILD, 1894. TL Cauca Valley.
? = *basalis* ROTHSCILD, 1906. TL Peru, Santo Domingo, Carabaya.
Distr. Paramba (IM); Balsapamba (BO), (R&J).

E. dognini ROTHSCILD, 1896. TL Loja.

E. davidianus DOGNIN, 1891. TL Loja.

**E. aper* WALKER, 1856. TL Bogotá.
Infrequent, very localized. Distr. Tandapi (PI); El Triunfo (CN); Palmeras (PI); Chachimbiro (IM); Santo Domingo (PI).

**E. guttiventris* ROTHSCILD & JORDAN, 1903. TL Rio Songo.
Rare. Distr. Ecuador (ROTHSCILD, 1919); Puenbo (PI).

Hemeroplanes diffusa ROTHSCILD & JORDAN, 1903. TL Rio Dagua.
Distr. Lita (IM), (R&J).

? *H. longistriga* ROTHSCILD & JORDAN, 1903. TL Brasil.

H. ornatus ROTHSCILD, 1894. TL "Venezuela" [err.] Corcovado, Rio Janeiro, Brazil
(ROTHSCILD, 1919).

**H. triptolemus* CRAMER, 1779. TL Surinam.

Occasional, uncommon. Distr. Paramba (IM), (R&J); Misahualli (NA); Loja (LO) (CAMPOS, 1931).

Hyles annei GUÉRIN, 1839. TL Santiago [Chili].

Reported by CAMPOS (1931) for Loja (LO).

**H. lineata* FABRICIUS, 1775. TL "America"

Occasional. Distr. Paracavacu (PI); Perucho (PI); Isla Isabela (GA, as ssp. *florilega* KERNBACH).

Isognathus leachi SWAINSON, 1823. TL Brazil.

? *I. rimosa* GROTE, 1865. TL Cuba.

**I. swainsoni* FELDER & FELDER, 1862. TL "Rio Negro"

Rare. Distr. Tena (NA).

**Madoryx bubastus bubastus* CRAMER, 1777. TL "Coromandel"

Rare. Distr. Cachabí (ES), (R&J); Puerto Quito (NA); Guayaquil (GU) (CAMPOS, 1931).

M. oiclus CRAMER, 1779. TL Surinam.

**M. pluto* CRAMER, 1779. TL Surinam.

Occasional. Distr. Puerto Quito (PI).

**Manduca albiplaga* WALKER, 1856. TL Rio [de] Janeiro.

Common. Distr. Rio Blanco (TU); Puerto Quito (PI); Baños (TU); Santo Domingo (PI).

M. andicola ROTHSCILD & JORDAN, 1916. TL Tinguri, Carabaya, SE Peru, 3400 ft.

Perhaps a subspecies of *M. incisa* WALKER (see KERNBACH, 1957).

M. clarki ROTHSCILD & JORDAN, 1916. TL Fonte Boa.

M. camposi SCHAUS, 1932. TL San Eduardo (CAMPOS, 1931).

**M. dalica* KIRBY, 1877. TL Canada.

Rare. Distr. Misahualli (NA).

**M. diffissa tropicalis* ROTHSCILD & JORDAN, 1903. TL Omai, British Guiana.

Common. Distr. Puerto Quito (PI); Alluriquin (PI); Chiriboga (PI); Tena (NA); Misahualli (NA); Macas (MS); Pununo (NA); Puerto Napo (NA).

M. extrema GEHLEN, 1926. TL Bolivien, Rio Songo.

**M. florestan* CRAMER, 1782. TL Surinam.

Common. Distr. Paramba (IM), (R&J); Pacayacu (PA); Puerto Quito (PI); Las Palmas (PI).

**M. hannibal* CRAMER, 1779. TL Surinam.

Common. Distr. Tandapi (PI); Puerto Quito (PI); Tena (NA); Misahualli (NA); Macas (MS).

M. lanuginosa EDWARDS, 1884. TL Jalapa, Mexico.

M. lefeburei GUÉRIN, 1844. TL Bolivia.

M. leucospila ROTHSCHILD & JORDAN, 1903. TL Peru.

Recorded for Ecuador by HEXAIRE & RASPLUS (1987).

**M. lichenea* BURMEISTER, 1856. TL Nova Friburgo.

Common. Distr. Baños (TU); Alluriquin (PI); Puerto Quito (PI); Rio Blanco (TU); Tandapi (PI).

M. lucetius STOLL, 1780. TL Surinam.

? = *occulta* DRUCE, 1883. TL Chiriqui.

M. muscosa ROTHSCHILD & JORDAN, 1903. TL Cenemerara, Mexico.

M. ochus KLUG, 1836. TL Mexico.

**M. pellenia* HERRICH-SCHÄFFER, 1854. TL "Am. aequin."

There is still perplexity which species the name *pellenia* should be referred to. The holotype is a female and her genitalia is very similar to those of related species. According to KERNBACH (1956) *M. "pellenia"* should be restricted to central America (Mexico to Panama), whilst in Ecuador *M. clarki* and *M. scutata* would be only present. The variability of *M. "pellenia"* and *M. clarki* male genitalia suggests that only one species is involved.

Common and localized. Distr. Tandapi (PI); Baeza (NA); Chachimbiro (IM).

**M. rustica rustica* FABRICIUS, 1775. TL America.

Common. Distr. Quevedo (LR); Macas (MS); Alluriquin (PI). Also in the Galapagos Is. as ssp. *postscripta* CLARK and *calapagensis* HOLLAND.

**M. scutata brasiliensis* JORDAN, 1911. TL Rio de Janeiro.

Rare. Distr. Paramba (IM), (R&J); Misahualli (NA).

**M. sexta paphus* CRAMER, 1779. TL Surinam.

Occasional. Distr. Quevedo (LR); Rio Blanco (TU). Also in the Galapagos Is. as ssp. *leucoptera* ROTHSCHILD & JORDAN.

M. trimacula ROTHSCHILD & JORDAN, 1903. TL Rio Dagua.

Distr. Ecuador (ROTHSCHILD, 1919).

M. vestalis JORDAN, 1917. TL Parà.

Reported for Ecuador by HEXAIRE & RASPLUS (1987). Very rare.

**Neococcytus cluentius* CRAMER, [1776]. TL "Ind. occ."

= *C. macasensis* CLARK, 1922. TL Macas.

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

Nyceryx coffeae WALKER, 1856. TL Brazil.

N. ericea ericea DRUCE, 1888. TL Chiriquì.

**N. hyposticta* FELDER, 1874. TL "Bogotá"

Rare. Distr. Zamora (ZC) (ROTHSCHILD, 1919); Loja (LO) (CAMPOS, 1931); Macas (MS).

N. lunaris JORDAN, 1911. TL Macas.

N. magna FELDER, 1874. TL "Amazons"

Distr. Macas (MS) (ROTHSCHILD, 1919); Loja (LO), (R&J); St. Iney (TU), (R&J).

N. maxwelli ROTHSCCHILD, 1894. TL San Augustin nr Mapiri, Bolivia.

Distr. Zamora (ZC) (ROTHSCHILD, 1919). Confirmed by HEXAIRE & RASPLUS (1987).

N. nictitans saturata ROTHSCCHILD & JORDAN, 1903. TL Chanchamayo.

Distr. Macas (MS) (ROTHSCHILD, 1919).

N. riscus SCHAUS, 1890. TL Mexico.

N. stuarti ROTHSCCHILD, 1894. TL Rio Cachyaco, Iquitos.

? = *draudti* GEHLEN, 1926. TL Shanusi.

Confirmed by HEXAIRE & RASPLUS (1987) for Ecuador.

N. tacita DRUCE, 1888. TL Chiriquì.

**Oryba achemenides* CRAMER, 1779. TL Surinam.

Rare. Distr. Misahualli (NA); Guayaquil (GU) and Duràn (GU) (CAMPOS, 1931).

**O. kadeni* SCHAUFUSS, 1870. TL "Am. mer."

Rare. Distr. Macas (MS) (FEYER, 1933); Loja (LO) (CAMPOS, 1931); Tinalandia (PI).

Pachygonidia caliginosa BOISDUVAL, 1870. TL "Mexico et Honduras"

P. drucei ROTHSCCHILD & JORDAN, 1903. TL Chiriquì.

Reported also for Galapagos Is.

P. hopfferi STAUDINGER, 1875. TL Chiriquì.

P. martini GEHLEN, 1943. TL "Honduras, Chiriquí, Ekuador, Peru, Bolivia"

P. ribbei DRUCE, 1881. TL Chiriquí.

ssp. *peruviana* JOICEY & TALBOT, 1921. TL N. Peru, Marañón.

P. subhamata WALKER, 1856. TL Para; Venezuela.

Distr. Paramba (IM), (R&J).

**Pachylia darceta* DRUCE, 1881. TL Chiriquí.

Common. Distr. Pununo (NA); Puerto Quito (NA); Pacayacu (PA); Tandapi (PI); Misahualli (NA).

**P. ficus* LINNAEUS, 1758. TL "America"

Abundant. Distr. Misahualli (NA); Tandapi (PI).

**P. syces syces* HÜBNER, 1822. TL Brasil.

Occasional, uncommon. Distr. Alluriquin (PI).

**Pachylioides resumens* WALKER, 1856. TL "Rio de Jan. Honduras, Haiti"

Very common. Distr. Rio Blanco (TU); Shushufindi (SU); Misahualli (NA); Macas (MS); Alluriquin (PI).

Perigonia grisea ROTHSCILD & JORDAN, 1903. TL Rio Songo to Rio Suapi.

Distr. Zamora (ZC) (ROTHSCILD, 1919).

P. interrupta WALKER, 1864. TL Mexico, Guatemala, Haiti.

P. lusca ilus BOISDUVAL, 1870. TL Honduras, Mexico.

**P. stulta* HERRICH-SCHÄFFER, 1854. TL "Am. aequin."

Occasional. Distr. Paramba (IM), (R&J); Tandapi (PI); Loja (LO) (CAMPOS, 1931).

Phanoxyla hystrix FELDER, 1874. TL "Amazons".

Distr. Macas (ROTHSCILD, 1919).

Protaleuron rhodogaster ROTHSCILD & JORDAN, 1903. TL Ecuador.

Apparently very rare. Distr. Cosanga 2150m (NA), see MILLER & VENEDICTOFF (1992).

**Protambulyx eurycles* HERRICH-SCHÄFFER, 1854. TL Surinam.

Occasional. Distr. Coca (NA); Puerto Quito (NA).

**P. euryalus* ROTHSCILD & JORDAN, 1903. TL Merida, Venezuela.

Uncommon. Dist. Cascada de S. Rafael (NA); El Reventador (SU); Macas (MS) (ROTHSCILD, 1919).

**P. strigilis* LINNAEUS, 1771. TL America.

Uncommon. Distr. Montalvo (ES); Baeza (NA); Santo Domingo (PI).

**P. goeldii* ROTHSCCHILD & JORDAN, 1903. TL Pará.

Rare. Distr. Puerto Quito (PI); Misahualli (NA).

**Pseudosphinx tetrio* LINNAEUS, 1771. TL "Amer. mer."

Occasional. Distr. Santo Domingo (PI); Los Bancos (PI); Quito (PI); Baños (TU).

Sphinx arthuri ROTHSCCHILD, 1897 TL La Paz, Bolivia.

S. merops BOISDUVAL, 1870. TL Honduras, Mexico.

Distr. Rio Bamba (?); Chimbo (CH), (R&J).

**Xylophanes acrus* ROTHSCCHILD & JORDAN, 1910. TL Chiriquí.

Localized. Distr. Tandapi (PI).

**X. aglaor* BOISDUVAL, 1875. TL Not stated.

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

**X. amadis cyrene* DRUCE, 1881. TL Chiriquí.

Localized. Distr. Puerto Quito (PI); La Palma (PI).

**X. anubus* CRAMER, 1777. TL Surinam.

Localized. Distr. Paramba (IM); Lita (IM), (R&J); Puerto Quito (PI).

X. aristor BOISDUVAL, 1870. TL Guatemala.

**X. ceratomioides* GROTE & ROBINSON, 1868. TL Mexico.

Common. Distr. Chimbo (CH), (R&J); Palo Quemado (CO); Quinindé (ES); Quito (PI); Rio Blanco (TU); Tandapi (PI); Alluriquin (PI); Puerto Quito (PI).

**X. chiron nechus* CRAMER, 1777. TL West Indies.

Common. Distr. Rio Blanco (TU); Coca (NA); Quito (PI); Puerto Quito (PI); Tena (NA); Baños (TU).

**X. cosmius* ROTHSCCHILD & JORDAN, 1906. TL La Union, Rio Huacamayo, Carabaya, SE Peru.

= *X. agilis* CLOSS, 1916 TL Macas.

Rare. Distr. Misahualli (NA).

**X. crotonis* WALKER, 1875. TL Venezuela.

Common. Distr. El Triunfo (CN); Tandapi (PI); Rio Blanco (TU); San Rafael (NA); La Palma (PI); Puerto Quito (PI).

X. docilis BUTLER, 1875. TL Ecuador.
Reported for Loja (LO) (CAMPOS, 1931).

X. dolius ROTHSCCHILD & JORDAN, 1906. TL Zamora 3–4000 ft.

**X. fusimacula* FELDER, 1874. TL Brasilia.
Rare. Distr. Misahualli (NA).

X. germen SCHAUS, 1890. TL Coatepec, Mexico.
Distr. Loja (LO), (R&J).

**X. guianensis* ROTHSCCHILD, 1894. TL Christianburg, British Guiana.
Uncommon. Distr. Zamora (ZC) (ROTHSCCHILD, 1919); Paramba (IM), (R&J); Puerto Quito (PI).

X. juanita ROTHSCCHILD & JORDAN, 1903. TL Paso de San Juan, Vera Cruz. Replacement name for *P. mexicana* SCHAUS nec ERSCHOFF, 1890.

**X. libya* DRUCE, 1878. TL Chiriquì.
Occasional. Distr. Santo Domingo (PI).

X. loelia DRUCE, 1878. TL Chiriquì.
Distr. Paramba (PI), (R&J).

X. macasensis CLARK, 1922. TL Macas.

X. maculator wolffi DRUCE, 1882. TL "Ecuador" [Peru?].

**X. mirabilis* CLARK, 1916. TL Antioquia, Colombia.
Uncommon and localized. Distr. Tandapi (PI); El Triunfo (CN); Chiriboga (PI).

X. norfolki KERNBACH, 1962. TL Galapagos.

X. pistacina BOISDUVAL, 1877. TL Minas Gerais, Brasil.

**X. pluto* FABRICIUS, 1777. TL "Am. merid."
Common. Distr. Tena (NA); Macas (MS); Baños (TU).

**X. porcus continentalis* ROTHSCCHILD & JORDAN, 1903. TL Rio Dagua.
Occasional. Distr. Zamora (ZC) (ROTHSCCHILD, 1919); Quevedo (LR); Los Tayos (MS).

**X. pyrrhus* ROTHSCCHILD & JORDAN, 1906. TL Santo Domingo, Carabaya, SE Peru.
Occasional. Distr. Tandapi (PI); El Reventador (SU).

X. rhodochlora ROTHSCCHILD & JORDAN, 1903. TL Santo Domingo, Carabaya.

X. rothschildi DOGNIN, 1895. TL Loja.

X. rhodotus ROTHSCILD, 1904. TL Santo Domingo, Carabaya, SE Peru.

X. schwartzi HEXAIRE, 1991. TL "route Gualaceo à Limon, km 40 2200m."

**X. tersa* LINNAEUS, 1771. TL "Maryland, Jamaica, Antigua"

Common. Distr. Tandapi (PI); Quevedo (LR); Pacayacu (PA); Coca (NA); Chachimbiro (IM). Present also in the Galapagos Is.

**X. thyelia* LINNAEUS, 1758. TL "India"

Occasional. Distr. Misahualli (NA).

**X. titana* DRUCE, 1878. TL Chiriqui.

Common. Distr. Palo Quemado (CO); Santo Domingo (PI); Tandapi (PI); Rio Topo (TU).

**X. undata* ROTHSCILD & JORDAN, 1903. TL Chuchuras [E Peru].

= *irrorata* ROTHSCILD, 1894 nec GROTE, 1865.

Occasional. Distr. Los Tayos (MS); Misahualli (NA).

**X. xylobotes* BURMEISTER, 1872. TL Arica, Peru.

A new record for Ecuador; rare. Distr. Misahualli (NA).

**X. zurcheri* DRUCE, 1894. TL Costa Rica.

Occasional. Distr. El Triunfo (CN); Alluriquin (PI); Puerto Quito (PI).

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