

# REMARKS, CORRECTIONS, COMMENTS AND ADDITIONS TO VOL. 23 AND 25 OF THE 'MARIPOSAS DEL ECUADOR' ON THE GENUS *GONODONTA* HÜBNER, 1818 (NOCTUOIDEA, EREBIDAE, OPHIDERINAE)

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**Abstract** – Species of the genus *Gonodonta* Hübner, 1818, listed and illustrated in the series “Mariposas del Ecuador” (Piñas, 2005a,b) are reviewed and re-identified where necessary. The following *Gonodonta* species are recorded for the first time in Ecuador: *G. pulvereae* Schaus, 1911, *G. chorinea* (Stoll, 1780), *G. incurva* (Sepp, [1840]), *G. amiantha* Hampson, 1924, *G. nitidimacula* Guenée, 1852, *G. maria* Guenée, 1852, *G. uxorina* (Cramer, 1780), *G. latimacula* Guenée, 1852, *G. clothilda* (Stoll, 1791), *G. syrna* Guenée, 1852, *G. indentata* (Hampson, 1926), *G. lincus* (Cramer, 1775), *G. biarmata biarmata* Guenée, 1852, *G. distincta* Todd, 1959, *G. magnifica* Thöny, 2001, *G. fulvidens* Felder & Rogenhofer, 1872, *G. holosericea* Guenée, 1852, *G. parens* Guenée, 1852, and *G. milla* Thöny, 1999.

**Key words:** Noctuoidea, Erebidae, Calpinae, Calpini, Neotropics, *Gonodonta*, Ecuador

**Resumen** – Las especies del género *Gonodonta* Hübner, 1818, en “Mariposas del Ecuador” de Piñas (2005a,b), están corregidas y determinadas. *Gonodonta pulvereae* Schaus, 1911, *G. chorinea* (Stoll, 1780), *G. incurva* (Sepp, [1840]), *G. amiantha* Hampson, 1924, *G. nitidimacula* Guenée, 1852, *G. maria* Guenée, 1852, *G. uxorina* (Cramer, 1780), *G. latimacula* Guenée, 1852, *G. clothilda* (Stoll, 1791), *G. syrna* Guenée, 1852, *G. indentata* (Hampson, 1926), *G. lincus* (Cramer, 1775), *G. biarmata biarmata* Guenée, 1852, *G. distincta* Todd, 1959, *G. magnifica* Thöny, 2001, *G. fulvidens* Felder & Rogenhofer, 1872, *G. holosericea* Guenée, 1852, *G. parens* Guenée, 1852, und *G. milla* Thöny, 1999, son los primeros registros para el Ecuador.

**Zusammenfassung** – Die Arten der Gattung *Gonodonta* Hübner, 1818, in “Mariposas del Ecuador” (Piñas, 2005a,b) werden überprüft und neu bestimmt. Die folgenden *Gonodonta*-Arten werden erstmals für Ecuador nachgewiesen: *G. pulvereae* Schaus, 1911, *G. chorinea* (Stoll, 1780), *G. incurva* (Sepp, [1840]), *G. amiantha* Hampson, 1924, *G. nitidimacula* Guenée, 1852, *G. maria* Guenée, 1852, *G. uxorina* (Cramer, 1780), *G. latimacula* Guenée, 1852, *Gonodonta clothilda* (Stoll, 1791), *G. syrna* Guenée, 1852, *G. indentata* (Hampson, 1926), *G. lincus* (Cramer, 1775), *G. biarmata biarmata* Guenée, 1852, *G. distincta* Todd, 1959, *G. magnifica* Thöny, 2001, *G. fulvidens* Felder & Rogenhofer, 1872, *Gonodonta holosericea* Guenée, 1852, *G. parens* Guenée, 1852, und *G. milla* Thöny, 1999.

## INTRODUCTION

At the end of April, 2014, the first author had his first opportunity to collect moths in Ecuador, and the series of 25 volumes by Piñas on the Lepidoptera of Ecuador (Emmel, 1998) were used as an initial means for identification. The series presents the first attempt to summarize the Lepidoptera fauna of Ecuador, with a list of numbered taxonomic names linked to images on a corresponding compact disk included with each volume, thus greatly reducing the size and cost of the printed volumes. Inevitably, in a work of this magnitude, the text contains a number of errors in identification and other data. New names proposed in the works should be considered *nomina nuda* since they lack several elements of formal description sufficient to satisfy the relevant articles of the International Code of Zoological Nomenclature (ICZN: <http://iczn.org/iczn/index.jsp>). Despite these shortcomings, the work remains an invaluable illustrated guide to the highly diverse Lepidoptera fauna of Ecuador.

The first author has worked for many years on the systematics of the genus *Gonodonta* Hübner, 1818, and this paper therefore focuses on that genus. In total, there are 25

species in this genus that are listed in Piñas (2005a,b). Eighteen of these species represent the first published records for Ecuador. Unfortunately, many of the names are incorrect or confused. Of the 34 specimens illustrated, only 9 are correctly determined, 20 are listed simply as “*Gonodonta* sp.” with consecutive numbers, and six are misidentified. After publication of the two relevant volumes (Piñas, 2005a,b), four additional new records for Ecuador and one possible new record (known from only a few specimens) have been found. Thus, a total of 29 *Gonodonta* species are now reliably recorded from Ecuador. Notably, in the work of Campos (1931), which also served as a base for Piñas (2005a,b), the genus *Gonodonta* is completely missing.

The purpose of this paper is, therefore, to review and figure the species of *Gonodonta* known from Ecuador and to correct published errors in the literature.

## METHODS

Distribution data published here are derived from records compiled from publications and recorded in a database maintained by the first author and Behounek (unpublished data). Identifications of all taxa were made by the first author on the basis of ongoing systematic research, including attempts

to find and identify all relevant type specimens. The following acronyms and abbreviations are used:

NHM - The Natural History Museum, London, United Kingdom  
 DZUFP - Departamento de Zoologia, Universidade Federal do Paraná, Curitiba, Brazil

MNHN - Musée National d'Histoire Naturelle, Paris, France

MNHU - Museum für Naturkunde Berlin, Berlin, Germany

NHMW - Naturhistorisches Museum Wien, Vienna, Austria

OUM - Oxford University Museum of Natural History, Oxford, United Kingdom

RMNH - Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands

USNM - National Museum of Natural History, Smithsonian Institution, Washington, DC, USA

ZSM - Zoologische Staatssammlung München, Munich, Germany

PC - Piñas Collection, Quito, Ecuador

HT	Holotype
LT	Lectotype
ST	Syntype
T	Type, Type location, Type depository

## RESULTS

The following represents a checklist of *Gonodonta* from Ecuador, with reference to the relevant Piñas (2005a,b) publications.

***Gonodonta pulverea*** Schaus, 1911, Fig. 1,2

Ann. Mag. nat. Hist. (8) 7: 83; T.: Costa Rica, Tuis; USNM.

= *Gonodonta* sp. 1, Piñas (2005a, Fig. 52. & Fig. 53)

**Distribution:** Guatemala, Costa Rica, Venezuela, Ecuador, Peru, Brazil, Paraguay.

Represented by 25 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta chorinea*** (Stoll, 1780), Fig. 3,4

in Cramer; Uitl. Kapellen, 4: 42, 248, Taf. 310: F, (*Phalaena*, *Noctua*); T.: Surinam, type missing.

= *choninea* Walker, emend?. Type for genus *Athysania*.

= *Gonodonta paraequalis*, Piñas (2005a, Fig. 54. & Fig. 55)

**Distribution:** Guatemala, French Guiana, Ecuador, Guyana, Surinam, Bolivia, Brazil.

Represented by 61 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta incurva*** (Sepp, [1840]), Fig. 5,6

Surinaamsche Vlinders 2: 291, Taf. 89 (*Phalaena*); T.: Surinam; type lost.

= *teretimacula* Guenée, 1852, Hist. nat. Ins. (Lép.) 6 (Noct. 2) 367; LT: Cayenne; MNHN, design. Viette (1951).

= *velata* Walker, 1857, List. Spec. Lep. Ins. B. M. 12: 957; T.: No single type designated.

= *temperata* Walker, 1857, List. Spec. Lep. Ins. B. M. 12: 957; T.: Venezuela; NHM.

= *dentata* Felder & Rogenhofer, 1874, Reise Österr. Freg.

Novara, 2 (2): Taf. 111: 4; T.: Brazil, Amazonas, NHM.

= *soror* Stahl, 1883 [not Cramer, 1780], Fauna Puerto Rico, Cat. Zool.: 194. It is not clear why Stahl placed *soror* as a synonym of *incurva*. Stahl's attribution of the name *soror* to Guenée may have been in error for Cramer, or he may have intended to indicate that his specimens belonged to the name *soror* in the sense used by Guenée. The type(s) of *soror* Cramer are unknown.

= *elaborans* Dyar, 1914, Proc. USNM 47: 425; T.: Dominican Republic; USNM.

= *Gonodonta fulvidens*, Piñas (2005a, Fig. 56. & Fig. 57)

**Distribution:** Southern USA (Florida), Mexico, Guatemala, Honduras, Costa Rica, Dominican Republic, Grenada, St. Vincent, St. Lucia, Puerto Rico, Jamaica, Cuba, Surinam, French Guiana, Guyana, Venezuela, Ecuador, Peru, Bolivia, Brazil, Paraguay.

Represented by 67 specimens in PC. One of the most frequently recorded species in Ecuador in the PC, although previously unrecorded from Ecuador.

***Gonodonta amiantha*** Hampson, 1924, Fig. 7,8

Ann. Mag. nat. Hist. (9) 13: 435; T.: Guyana, Demerara; NHM.

= *Gonodonta* sp. 2, Piñas (2005a, Fig. 58. & Fig. 59)

**Distribution:** Peru, French Guiana, Ecuador, Guyana, Brazil.

Represented by only 3 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta nitidimacula*** Guenée, 1852, Fig. 9

in Boisduval & Guenée; Hist. nat. Ins. (Lép.), 6 (Noct. 2): 368, Taf. 12: 5; LT: ♀: St. Thomas, NHM, design. Fletcher.

= *latimacula* Herrich-Schäfer, 1868, Corr. Bl. zool. -min. Ver. Regensburg, 22:185, preocc. Guenée, 1852.

= *Gonodonta* sp. 3, Piñas (2005a, Fig. 60)

**Distribution:** Mexico, Belize, Guatemala, Venezuela, Ecuador, Brazil, Caribbean, Antilles, Virgin Islands, Puerto Rico, Haiti, Dominican Republic, Cuba, Jamaica, St. Thomas.

Represented by only 2 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta latimacula*** Guenée, 1852, Fig. 10

in Boisduval & Guenée, Hist. nat. Ins. (Lép.), 6 (Noct. 2): 367; LT.: ♂: Colombia, NHM, design. Fletcher, published by Todd (1959: 48).

= *Gonodonta* sp. 4, Piñas (2005a, Fig. 61)

**Distribution:** Colombia, Mexico, Guatemala, Honduras, Costa Rica, Panama, Ecuador, Brazil, French Guiana, Guyana, Venezuela, Trinidad, Peru.

Represented by 5 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta maria*** Guenée, 1852, Fig. 11

in Boisduval & Guenée, Hist. nat. Ins. (Lép.), 6 (Noct. 2): 369; LT.: ♀: Brazil, Rio Janeiro, NHM, design. Todd (1959).

= *avangareza* Schaus, 1911, Ann. Mag. nat. Hist. (8) 7: 83; T.: Costa Rica, Avangarez, USNM.

= *Gonodonta* sp. 5, Piñas (2005a, Fig. 62)

**Distribution:** Costa Rica, Mexico, Peru, Venezuela, Ecuador, Surinam, French Guiana, Guyana, Brazil, Paraguay, Puerto Rico, Cuba.

Represented by 7 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta fulvangula*** Geyer, 1832, Fig. 12  
in: Hübner, Zutr. Samml. exot. Schmett. 1: 32, fig. 737, 738; T.: Uruguay, Montevideo; type missing.

= *chrysotornus* Hampson, 1926, Descr. new gen. spec. Noct. B. M.: 372; T.: Guyana, Demerara; NHM.

= *Gonodonta* sp. 6, Piñas (2005a, Fig. 63)

**Distribution:** Mexico, Panama, Trinidad and Tobago, Venezuela, French Guiana, Guyana, Ecuador, Peru, Colombia, Brazil, Argentina, Uruguay.

Represented by only 2 specimens in PC.

***Gonodonta correcta*** Walker, 1857

List. Spec. lep. Ins. B. M. 12: 947; T.: Mexico, NHM.

Piñas (2005a, Fig. 64, correctly identified)

**Distribution:** Mexico, Guatemala, Costa Rica, Ecuador, Colombia, Venezuela, Bolivia.

Represented by 16 specimens in PC.

***Gonodonta pygro*** (Cramer, 1777)

Uitl. Kapellen 2: 65, 150, Taf. 139: D (*Phalaena*); T.: Surinam; missing.

= *serix* Guenée, 1852, in: Boisduval & Guenée, Hist. nat. Ins. (Lep.) 6 (Noct. 2): 370; ST: Colombia; OUM.

= *pyrgo* (Schreibfehler)

Piñas (2005a, Fig. 65. & Fig. 66, correctly identified)

**Distribution:** USA, Mexico, Belize, Guatemala, Honduras, Costa Rica, Nicaragua, Panama, Venezuela, Colombia, Guyana, French Guiana, Ecuador, Peru, Bolivia, Brazil, Argentina, Paraguay, Chile.

Represented by 100 specimens in PC. Except for *G. sinaldus*, this is the most common *Gonodonta* species in Ecuador.

***Gonodonta mexicana*** Schaus, 1901, Fig. 13

Ann. Mag. nat. Hist. (7) 8: 90; T.: Mexico, Jalapa, USNM.

Piñas (2005a, Fig. 67, correctly identified)

= *Gonodonta holoserica*, Piñas (2005a, Fig. 69)

**Distribution:** Mexico, Costa Rica, Ecuador, Bolivia, Venezuela, Brazil.

Represented by 34 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta biarmata biarmata*** Guenée, 1852, Fig. 14

in Boisduval & Guenée; Hist. nat. Ins. (Lep.), 6, (Noct. 2): 373; LT.: ♂: Brazil, Nouvelle-Friburg, NHM.

= *elegans* Druce, 1889, In Godman & Salvin; Biol. centr. Am. Lep. Het. 1: 257, Taf. 26: 1, (T.: Guatemala, San Gerónimo, NHM)

= *Gonodonta* sp. 7, Piñas (2005a, Fig. 68)

**Distribution:** Mexico, Guatemala, Costa Rica, Peru, Colombia, Bolivia, Venezuela, Argentina, Uruguay, Brazil.

Represented by only a single specimen in PC. Previously unrecorded from Ecuador.

***Gonodonta holosericea*** Guenée, 1852, Fig. 15

Hist. nat. Ins. (Lép.), 6 (Noct. 2): 371; LT.: ♀: Colombia, NHM.

= *Gonodonta* sp. 8, Piñas (2005a, Fig. 70)

**Distribution:** Guatemala, Costa Rica, Panama, Colombia, Venezuela, Bolivia, Brazil, Peru.

Represented by 5 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta distincta*** Todd, 1959, Fig. 16

Tech. Bull. 1201, U. S. Dept. of Agric.: 20, Taf. 1: D; HT.: ♀: Venezuela, Las Quiguas, San Esteban Valley, USNM.

= *Gonodonta* sp. 9, Piñas (2005a, Fig. 71)

**Distribution:** Mexico, Guatemala, Costa Rica.

Represented by only 2 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta sicheas*** (Cramer, 1777), Fig. 17

Uitl. Kapellen 2: 86, Taf. 150: E (*Phalaena*); T.: Surinam, RMNH?.

= *uncina* Hübner, 1818, Zutr. Samml. exot. Schmett. 1: 11, fig. 35, 36; T.: missing.

= *hesione* (Drury, 1782), Ill. Nat. Hist. 3: 29, Taf. 22 (*Phalaena, Noctua*); (T.: NHMW)

= *Gonodonta biarmata*, Piñas (2005a, Fig. 72)

Piñas (2005a, Fig. 73, correctly identified)

**Distribution:** Southern USA: Florida; Mexico, Guatemala, Honduras, Costa Rica, Panama, Trinidad, Puerto Rico, Jamaica, Cuba, Ecuador, Surinam, Guyana, Venezuela, Peru, Bolivia, Argentina, Paraguay, Brazil.

Represented by 29 specimens in PC.

***Gonodonta lincus*** (Cramer, 1775), Fig. 18

Uitl. Kapellen 1: 79, 153, Taf. 50: H (*Phalaena, Noctua*); T.: Surinam, RMNH.

= *superba* Möschler, 1880, Verh. Zool.-Bot. Ges. Wien, 30: 393, Taf. 9: 48; T.: Surinam, Paramaribo, MNHU.

= *Gonodonta* sp. 10, Piñas (2005a, Fig. 74)

**Distribution:** Mexico, Costa Rica, Colombia, Peru, Ecuador, Bolivia, Brazil, Guyana, Venezuela.

Represented by 3 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta magnifica*** Thöny, 2001, Fig. 19

facetta, 20: 21, Taf. 3: 7, 8; HT.: ♂: Peru, Dept. Cajamarca, La Lucma, 3000 m, coll. Thöny.

= *Gonodonta* sp. 11, Piñas (2005a, Fig. 75)

**Distribution:** Peru, Ecuador.

This species was formerly known only from the type locality, but is represented by 16 specimens in PC from the following locations:

Ecuador, Imbatuba [=Imbabura], Via Lita, 1200m, 21 Mar. 98, 6 Specimens; Ecuador, Guayaquil, 17 Aug. 96, 4 Specimens; Ecuador, Manabí, Chone, 250m, 14 Aug. 2007, 3 Specimens; Ecuador, Esmeraldas, Mompiche, 100m, 15 Aug. 2007, 1 ; Ecuador, Tungurahua [should be Cotopaxi] Otonga, 2000m, 23 Feb. 08, 1 specimen, all leg. F. Piñas; Ecuador, Chimborazo, Huig[ra]. R. Angas, 1500m, 1 Jan. 98, 1 specimen leg. G. Onore. These findings show that *G. magnifica* is relatively common in Ecuador and that it occurs from 250-2000 m. Previously unrecorded from Ecuador.

***Gonodonta clothilda*** (Stoll, 1791), Fig. 20

in: Cramer, Uitl. Kapellen (Anh.): 153, Taf. 34: 4 (*Phalaena, Noctua*); T.: Surinam, RMNH.

= *maria* Gundlach, 1881, Contr. Ent. Cubana, Lepid. 1: 335, preocc. (Guenée 1852); LT.: Brazil, Rio Janeiro, design. Todd (1959), NHM

= *Gonodonta* sp. 11, Piñas (2005a, Fig. 76)

**Distribution:** Mexico, Costa Rica, Panama, Peru, Ecuador, Bolivia, Venezuela, Surinam, French Guiana, British Guyana, Brazil, Paraguay, Argentina, Trinidad and Tobago, Puerto Rico, Jamaica, Cuba.

Represented by 9 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta uxoria*** (Cramer, 1780)

Uitl. Kapellen, 3: 150, Taf. 176: A, (*Phalaena, Noctua*); T.: Surinam, type missing.

= *soror*; Wolcott, 1924, Puerto Rico, Dept. Agr. Jour. 7: 176, not Cramer, 1777

= *alexandra* Thöny, 1999, Facetta 18 (2): 28, Taf. 6: 7, 8; HT.: ♂: Brazil, Rondônia, Cacaúlândia, Rancho Grande, 350 m, DZUFP.

= *uxoria* auct.

Piñas (2005a, Fig. 77, correctly identified)

**Distribution:** Mexico, Guatemala, Costa Rica, Panama, Peru, Argentina, Guyana, Surinam, Venezuela, Puerto Rico, Jamaica, Dominican Republic, Cuba, Brazil.

Represented by 14 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta bidens miranda*** Raymundo, 1908

O Entomologista Brasileira 1 (5): 79. 80; LT.: Brazil, Rio de Janeiro, Quinta da Boa Vista; Type material in Instituto Oswaldo Cruz, Rio de Janeiro, Brazil.

= *bidens meridionalis* Todd, 1959, Tech. Bull. 1201, U.S. Dept. Agric.: 39; HT.: ♂: Brazil, Santa Catarina, Hansa Humboldt, USNM.

Piñas (2005a, Fig. 78, correctly identified)

**Distribution:** Ecuador, Peru, Colombia, Venezuela, Bolivia, French Guiana, Brazil, Paraguay, Argentina. Represented by 14 specimens in PC.

***Gonodonta sinaldus*** Guenée, 1852, Fig. 21,22 (dark form), 23

in Boisduval & Guenée; Hist. nat. Ins. (Lép.), 6, (Noct. 2): 371; LT.: ♂: Colombia, design. Todd (1982), NHM.

= *ginaldus* Dyar, 1914, emend. U. S. Natl. Mus. Proc. 47: 203.

= *Gonodonta* sp. 12, Piñas (2005a, Fig. 79)

= *Gonodonta* sp. 13, Piñas (2005a, Fig. 82)

Piñas (2005a, Fig. 80, 81, correctly identified)

**Distribution:** Southern USA, Mexico, Belize, Guatemala, Honduras, Costa Rica, Panama, Peru, Ecuador, Colombia, Bolivia, Venezuela, Französisch Guyana, Brazil, Trinidad, Tobago.

Represented by 121 specimens in PC, among these 13 of the dark form with dark hindwings. This appears to be the commonest species in the genus in Ecuador.

***Gonodonta indentata*** (Hampson, 1926), Fig. 24

Descr. new Gen. Spec. Noct. B. M.: 371; T.: Venezuela, Las Quiguas, San Esteban Valley, Carabobo, NHM.

= *Gonodonta* sp. 14, Piñas (2005a, Fig. 83)

**Distribution:** Costa Rica, Panama, Venezuela, Guyana, Bolivia, Brazil.

Represented by 11 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta primulina*** Druce, 1887, Fig. 25

Biol. centr. Am. Lep. Het. 1: 60, Taf. 25, Fig. 3; LT.: Guatemala, Verapaz, design. Fletcher, NHM.

= *Gonodonta* sp. 15, Piñas (2005a, Fig. 84)

**Distribution:** Mexico, Guatemala, Costa Rica, Colombia, Ecuador, Bolivia, Venezuela, Brazil, Peru.

Represented by 9 specimens in PC.

In Piñas (2005b), a further species of *Gonodonta* is mistakenly listed under Agaristinae.

***Gonodonta obesa*** (Walker, [1865] 1864), Fig. 26

List. Spec. lep. Ins. B. M. 31: 144, (*Dosa*); LT.: Brazil, Amazonas, Tefe, Ega, NHM, design. Todd (1969).

= *camora* (Felder & Rogenhofer, 1874) Reise öst. Freg. Novara (2) 2: Taf. 111: 20, (*Canodia?*); HT.: ♀: Brazil, Amazonas, NHM; type for genus *Dosa*.

= *Aucula* sp. 5, Piñas (2005b, Fig. 241)

**Distribution:** Brazil, Ecuador.

Represented by only 1 specimen in PC. Previously unrecorded from Ecuador.

The following species were recorded by the second author after the publication of 'Mariposas del Ecuador':

***Gonodonta syrna*** Guenée, 1852, Fig. 27

in: Boisduval & Guenée; Hist. nat. Ins. (Lép.), 6 (Noct. 2): 371; T.: French Guiana, Cayenne; NHM.

**Distribution:** Belize, Guatemala, Honduras, Panama, Venezuela, French Guiana, Guyana, Peru, Bolivia, Ecuador, Brazil.

Represented by only 1 specimen in PC. Previously unrecorded from Ecuador.

***Gonodonta parens*** Guenée, 1852, Fig. 28.

in: Boisduval & Guenée; Hist. nat. Ins. (Lép.), 6 (Noct. 2): 366; T.: Guadeloupe, NHM.

= *plumbicincta* Dyar, 1912, U. S. Natl. Mus. Proc. 42: 79; T.: Mexico, Orizaba, USNM.

**Distribution:** Guadeloupe, Mexico, Panama, Venezuela, Ecuador, Brazil, Peru.

Represented by 2 specimens in PC. Previously unrecorded from Ecuador.

***Gonodonta milla*** Thöny, 1999, Fig. 30.

facetta, 18 (2): 29, Taf. 6: 14; HT.: ♂: Brazil, Rondônia, Cacaúlândia, Rancho Grande, DZUFP.

**Distribution:** Peru, French Guiana, Ecuador, Brazil.

Represented by 5 specimens in PC. Previously unrecorded from Ecuador.



**Fig. 1:** *G. pulverea*, Piñas (2005a, Fig. 52).



**Fig. 2:** *G. pulverea*, Piñas (2005a, Fig. 53).



**Fig. 3:** *G. chorinea*, Piñas (2005a, Fig. 54).



**Fig. 4:** *G. chorinea*, Piñas (2005a, Fig. 55).



**Fig. 5:** *G. incurva*, Piñas (2005a, Fig. 56).



**Fig. 6:** *G. incurva*, Piñas (2005a, Fig. 57).



**Fig. 7:** *G. amiantha*, Piñas (2005a, Fig. 58).



**Fig. 8:** *G. amiantha*, Piñas (2005a, Fig. 59).



**Fig. 9:** *G. nitidimacula*, Piñas (2005a, Fig. 60).



**Fig. 10:** *G. latimacula*, Piñas (2005a, Fig. 61).



**Fig. 11:** *G. maria*, Piñas (2005a, Fig. 62).



**Fig. 12:** *G. fulvangula*, Piñas (2005a, Fig. 63).



**Fig. 13:** *G. mexicana*, Piñas (2005a, Fig. 69).



**Fig. 14:** *G. biarmata biarmata*, Piñas (2005a, Fig. 68).



**Fig. 15:** *G. holoserica*, Piñas (2005a, Fig. 70).



Fig. 16: *G. distincta*, Piñas (2005a, Fig. 71).



Fig. 17: *G. sicheas*, Piñas (2005a, Fig. 72).



Fig. 18: *G. lincus*, Piñas (2005a, Fig. 74).



Fig. 19: *G. magnifica*, Piñas (2005a, Fig. 75).

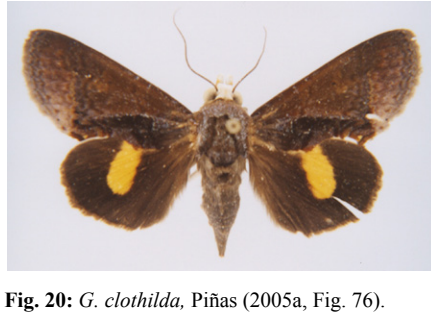


Fig. 20: *G. clothilda*, Piñas (2005a, Fig. 76).



Fig. 21 and 23: *G. sinaldus*, Piñas (2005a, Fig. 79).  
*G. sinaldus*, Piñas (2005a, Fig. 82).



Fig. 22: *G. sinaldus*, Piñas (2005a, Fig. 80).



Fig. 24: *G. indendata*, Piñas (2005a, Fig. 83).



Fig. 25: *G. primulina*, Piñas (2005a, Fig. 84).



Fig. 26: *G. obesa*, Piñas (2005b, Fig. 241).



Fig. 27: *G. syrna*, PC.



Fig. 28: *G. parens*, PC.



Fig. 29: *G. chorinea*/sp.n., PC.



Fig. 30: *G. milla*, PC.



Fig. 31: *G. fulvidens*, PC.

**Gonodonta** nr. *chorinea* (Stoll, 1780) ?, Fig. 29.  
Ecuador, Manabí, Chone, 250m, 14 Aug. 2007, leg. Piñas  
In reviewing the PC, 6 specimens of this species have been found that appear to be relatively brighter in the ground color, slightly smaller, and with the markings better defined than in other Ecuadorian specimens. These specimens may constitute an undescribed species, but more material is needed.

**Gonodonta fulvidens** Felder & Rogenhofer, 1872, Fig. 31  
Reise Öst. Freg. Novara, 2 (2): Taf. 111: 14; LT.: ♀: Colombia, Bogota, NHM, Lond., design. Todd (1959).  
= *flavidens* (Hampson, 1926) Descr. new Gen. Spec. Noct. B. M.: 372, (*Athysania*); T.: Brazil, Amazonas, Ega, NHM.  
**Distribution:** French Guiana, Guyana, Venezuela, Colombia, Ecuador, Brazil.  
Represented by only 2 specimens in PC. Previously unrecorded from Ecuador.

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