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Catalogue of fossil insect species described from Dominican amber (Miocene)

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Abstract

Dominican amber contains a very rich Miocene biota with an exquisite preservation. More than 400 species of fossil insects have been described from this amber to date. In this paper an index of all described insects species together with the references in which they were described and the repositories of the holotypes are given.

Key words: Dominican amber, Miocene, fossil insects, catalogue.

Zusammenfassung

Der dominikanische Bernstein enthält eine hervorragend erhaltene, sehr reiche Fauna und Flora aus dem Miozän. Über 400 Arten fossiler Insekten sind bisher aus diesem Bernstein beschrieben worden. Dieser Arbeit enthält eine Liste aller bisher beschriebenen Insektenarten zusammen mit den Literaturzitaten der Erstbeschreibungen und den Aufbewahrungsorten der Holotypen.

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1. Introduction

Amber is a fossilized and polymerized resin of different trees. Many sorts of organisms can eventually be trapped in the fresh and sticky resins and become fossilized when the resin hardens. The results are fossil preserved in exquisite three dimensional details even with ultrastructural cellular details.

Although it was known from a long time ago, Dominican amber only became available to the scientific community after the II World War, when the Soviet Union restricted the export of Baltic amber and West German traders became interested in a different source to maintain alive their jewelry industry.

The stingless bee *Proplebeia dominicana* was the first described insect species (WILLE & CHANDLER 1964) and to date more than 400 species of insects have been described.

Dominican amber has a leguminous origin, and probably the source of the resin was the tree *Hymenaea protera* described by POINAR (1991a).

The age of Dominican amber is controversial as it was once thought to come from different depositional episodes of different ages. Today it seems that (apart from small amounts of sub-recent copal) all the Dominican amber was formed 15 to 20 million years ago in a single sedimentary Basin during the late Lower Miocene through early Middle Miocene (GRIMALDI 1995a; ITURRALDE-VINENT & MACPHEE 1996).

Most complete catalogues of fossil insects in amber were done by KEILBACH (1982a, 1982b), SPAHR (1981a, 1981b, 1985, 1987, 1988, 1989, 1990, 1992, 1993) and PÉREZ-GELABERT (1999) but, except the last, they focused mainly in Baltic amber.

Indexes of the fossil insects taxa from Dominican amber are frequently given in different papers and books, but these indexes usually list different recorded genera without any description, discussion or even an image. These records are thus not very useful for a comprehensive view of the fossil biota as possible misinterpretations or incorrect determinations are impossible to be detected.

In this catalogue only fossil taxa are given with their authors and their type species.

Acronyms of repositories

- AMNH American Museum of Natural History, New York, USA
- ERL Entomological Research Laboratory, University of Puerto Rico, Mayagüez, Puerto Rico
- FSCA Florida State Collection of Arthropods, Gainesville, USA
- OSUC Oregon State University, Corvallis, USA
- MCZ Museum of Comparative Zoology, Harvard University, Cambridge, Mass., USA
- BMNH Natural History Museum, London, England
- USNM National Museum of Natural History, Washington, USA
- SMNS Staatliches Museum für Naturkunde Stuttgart, Germany

Acknowledgements

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2. Fossil insect species in Dominican amber**Order Collembola
Family Isotomidae**Genus *Cryptopygus**Cryptopygus* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Isotoma*
Subgenus *Desoria**Isotoma (Desoria)* sp. 1 (MARI-MUTT 1983)

Material: ERL.

Isotoma (Desoria) sp. 2 (MARI-MUTT 1983)

Material: ERL.

Family EntomobryidaeGenus *Lepidocyrtus**Lepidocyrtus* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Pseudosinella**Pseudosinella* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Seira**Seira* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Salina**Salina* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Paronella**Paronella* sp. (MARI-MUTT 1983)

Material: ERL.

Genus *Cyphoderus**Cyphoderus* sp. 1 (MARI-MUTT 1983)

Material: ERL.

Cyphoderus sp. 2 (MARI-MUTT 1983)

Material: ERL.

Family SminthuridaeGenus *Sphyrotheca**Sphyrotheca* sp. (MARI-MUTT 1983)

Material: ERL.

Order Archaeognatha**Family Meinertellidae**Genus *Neomachilellus**Neomachilellus dominicanus* STURM & POINAR, 1997

Holotype: Coll. STURM, Universität Hildesheim, Germany, without number.

Order Zygentoma**Family Nicoletiidae**Genus *Trinemurodes**Trinemurodes antiquus* STURM & MENDES, 1998

Holotype: AMNH, no. DR-10-313.

Trinemurodes miocenicus STURM & MENDES, 1998

Holotype: AMNH, no. DR-14-1035.

Genus *Hemitrinemura**Hemitrinemura extinct* MENDES & POINAR, 2004

Holotype: Coll. POINAR, OSUC, no. T-1-13.

Family LepismatidaeGenus *Ctenolepisma**Ctenolepisma electrans* MENDES, 1998

Holotype: Coll. STURM, Universität Hildesheim, Germany, no. LEP-1.

Family AteluridaeGenus *Archeatelura* MENDES, 1997Type species: *Archeatelura sturmi* MENDES, 1997*Archeatelura sturmi* MENDES, 1997

Holotype: Coll. POINAR, OSUC, no. T-1-3B.

Order Ephemeroptera
Family LeptophlebitidaeGenus *Borinquena**Borinquena maculata* STANICZEK, 2003

Holotype: SMNS, no. DO-3904-M.

Borinquena (?) *caeciliana* STANICZEK, 2003

Holotype: SMNS, no. DO-5384-H.

Borinquena parva STANICZEK, 2003

Holotype: Florida State Collection of Arthropods, Gainesville, USA, without number.

Genus *Hagenulites* STANICZEK, 2003Type species: *Hagenulites hitchingsi* STANICZEK, 2003*Hagenulites hitchingsi* STANICZEK, 2003

Holotype: SMNS, no. DO-3276-M.

Order Odonata
Family CoenagrionidaeGenus *Diceratobasis**Diceratobasis worki* POINAR, 1996

Holotype: Coll. JIM WORK, Ashland, Oregon, USA, without number.

Genus *Ischnura**Ischnura velteni* BECHLY, 2000

Holotype: SMNS, no. DO-5687.

Order Plecoptera
Family Perlidae

Genus *Dominiperla* STARK & LENTZ, 1992
Type species: *Dominiperla antiqua* STARK & LENTZ, 1992

Dominiperla antiqua STARK & LENTZ, 1992
Holotype: USNM, no. BLPC-5658.

Order Zoraptera
Family Zorotypidae

Genus *Zorotypus*

Zorotypus palaeus POINAR, 1988
Holotype: USNM, no. BLPC-7406.

Zorotypus goeleti ENGEL & GRIMALDI, 2000
Holotype: AMNH, no. DR-14-34.

Order Embioptera
Family Anisembiidae

Genus *Anisembia*

Anisembia vetehae SZUMIK, 1998
Holotype: AMNH, without number.

Family Teratembiiidae

Genus *Oligembia*

Oligembia vetusta SZUMIK, 1994
Holotype: AMNH, without number.

Order Blattodea
Family Blatellidae

Genus *Anaplecta*

Anaplecta sp. (GUTIÉRREZ & PÉREZ-GELABERT 2000)
Material: AMNH.

Genus *Cariblatta*

Cariblatta sp. 1 (GUTIÉRREZ & PÉREZ-GELABERT 2000)
Material: AMNH.

Cariblatta sp. 2 (GUTIÉRREZ & PÉREZ-GELABERT 2000)

Material: AMNH.

Genus *Euthlastoblatta*

Euthlastoblatta sp. (GUTIÉRREZ & PÉREZ-GELABERT 2000)

Material: AMNH and USNM.

Genus *Plectoptera*

Plectoptera sp. (GUTIÉRREZ & PÉREZ-GELABERT 2000)

Material: USNM.

Genus *Pseudosymploce*

Pseudosymploce sp. (GUTIÉRREZ & PÉREZ-GELABERT 2000)

Material: AMNH.

Family Polyphagidae

Genus *Holocompsa*

Holocompsa sp. (GUTIÉRREZ & PÉREZ-GELABERT 2000)

Material: AMNH.

Order Isoptera

Family Mastotermitidae

Genus *Mastotermes*

Mastotermes electrodominicus KRISHNA & GRIMALDI, 1991

Holotype: AMNH, no. PB.270.

Family Termitidae

Genus *Constrictotermes*

Constrictotermes electroconstrictus KRISHNA, 1996

Holotype: AMNH, no. DR-14-584.

Genus *Nasutitermes*

Nasutitermes electronasutus KRISHNA, 1996

Holotype: AMNH, no. DR-14-586.

Family KalotermitidaeGenus *Cryptotermes**Cryptotermes yamini* KRISHNA & BACCHUS, 1987

Holotype: AMNH, without number.

Family RhinotermitidaeGenus *Coptotermes**Coptotermes priscus* EMERSON, 1971

Holotype: AMNH, without number.

Genus *Dolichorhinotermes**Dolichorhinotermes dominicanus* SCHLEMMERMEYER & CANCELLO, 2000

Holotype: Museu de la Ciència, Barcelona, Spain, no. 248.

Order Orthoptera**Family Trigonidiidae**Genus *Abanaxipha* VICKERY & POINAR, 1994Type species: *Abanaxipha longispina* VICKERY & POINAR, 1994*Abanaxipha longispina* VICKERY & POINAR, 1994

Holotype: Lyman Entomological Museum, Ste. Anne-de-Bellevue, Quebec, Canada, no. LEM-50.

Abanaxipha incongrua VICKERY & POINAR, 1994

Holotype: Lyman Entomological Museum, Ste. Anne-de-Bellevue, Quebec, Canada, no. LEM-54.

Genus *Anaxipha**Anaxipha dominicana* VICKERY & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. O-2-23.

Genus *Proanaxipha* VICKERY & POINAR, 1994Type species: *Proanaxipha latoca* VICKERY & POINAR, 1994*Proanaxipha latoca* VICKERY & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. O-2-24.

Proanaxipha bicolorata VICKERY & POINAR, 1994

Holotype: Lyman Entomological Museum, Ste. Anne-de-Bellevue, Quebec, Canada, no. LEM-46.

Genus *Grossoxipha* VICKERY & POINAR, 1994Type species: *Grossoxipha yaque* VICKERY & POINAR, 1994*Grossoxipha yaque* VICKERY & POINAR, 1994

Holotype: Lyman Entomological Museum, Ste. Anne-de-Bellevue, Quebec, Canada, no. LEM-45.

Family Mogoplistidae

Genus *Ornebius**Ornebius ambericus* VICKERY & POINAR, 1994

Holotype: Lyman Entomological Museum, Ste. Anne-de-Bellevue, Quebec, Canada, no. LEM-53.

Family Eumastacidae

Genus *Paleomastacris* PÉREZ-GELABERT, DOMINICI, HIERRO & OTTE, 1997Type species: *Paleomastacris ambarinus* PÉREZ-GELABERT et al., 1997*Paleomastacris ambarinus* PÉREZ-GELABERT, DOMINICI, HIERRO & OTTE, 1997

Holotype: AMNH, no. DR-10-1795.

Order Homoptera

Family Drepanosiphidae

Genus *Mindazerius* HEIE & POINAR, 1988Type species: *Mindazerius dominicanus* HEIE & POINAR, 1988*Mindazerius dominicanus* HEIE & POINAR, 1988

Holotype: Coll. POINAR, OSUC, no. HO 4-7.

Family Hormaphididae

Genus *Dominicaphis* HEIE & POINAR, 1999Type species: *Dominicaphis succini* HEIE & POINAR, 1999*Dominicaphis succini* HEIE & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. HO-4-43.

Family Greenideidae

Genus *Quisqueyaaphis* WEGIEREK, 2001Type species: *Quisqueyaaphis heiei* WEGIEREK, 2001*Quisqueyaaphis heiei* WEGIEREK, 2001

Holotype: AMNH, no. DR-14-793.

Family Pseudococcidae

Genus *Electromyrmococcus* WILLIAMS, 2001

Type species: *Electromyrmococcus abductus* WILLIAMS, 2001 [in: JOHNSON et al. 2001]

Electromyrmococcus abductus WILLIAMS, 2001 [in: JOHNSON et al. 2001]

Holotype: Senckenberg Museum, Frankfurt am Main, Germany, without number.

Electromyrmococcus inclusus WILLIAMS & AGOSTI, 2001 [in: JOHNSON et al. 2001]

Holotype: AMNH, no. DR-14-403.

Electromyrmococcus reginae WILLIAMS, 2001 [in: JOHNSON et al. 2001]

Holotype: AMNH, no. RL-6.

Family Cicadellidae

Genus *Krisna*

Krisna garciamarquezi DIETRICH & VEGA, 1995

Holotype: USNM, no. BLPC-8649.

Genus *Krocarites* DIETRICH & VEGA, 1995

Type species: *Krocarites reflexa* DIETRICH & VEGA, 1995

Krocarites reflexa DIETRICH & VEGA, 1995

Holotype: Coll. FERNANDO E. VEGA, University of Central Florida, Orlando, USA, without number.

Genus *Jassoqualus*

Jassoqualus hispaniolensis DIETRICH & VEGA, 1995

Holotype: USNM, no. BLPC-5618.

Genus *Xestocephalus*

Xestocephalus sp. (DIETRICH & VEGA 1995)

Material: USNM and Coll. FERNANDO E. VEGA, University of Central Florida, Orlando, USA.

Family Nogodinidae

Genus *Tainosia* SZWEDO & STROINSKI, 2001

Type species: *Tainosia quisqueyae* SZWEDO & STROINSKI, 2001

Tainosia quisqueyae SZWEDO & STROINSKI, 2001

Holotype: BMNH, no. Pal. PI-II-62.

Family Cixiidae

Genus *Oligocixia* GEBICKI & WEGIEREK, 1993

Type species: *Oligocixia electrina* GEBICKI & WEGIEREK, 1993

Oligocixia electrina GEBICKI & WEGIEREK, 1993

Holotype: Naturhistorisches Museum, Wien, Austria, no. 1984/39/7.

Genus *Oliarus*

Oliarus kulickae SZWEDO, 2000

Holotype: Coll. SZWEDO, Museum of Natural History, Kraków, Poland, no. Do-01F.

Family Kinnaridae**Genus *Oeclidius***

Oeclidius salaco EMELJANOV & SHCHERBAKOV, 2000

Holotype: BMNH, no. Pal. PI-II-351(1).

Oeclidius browni BOURGOIN & LEFÈVRE, 2002

Holotype: Museum National d'Histoire Naturelle, Paris, France, no. MNHN-LP R. 11196.

Genus *Quilessa*

Quilessa stolida EMELJANOV & SHCHERBAKOV, 2000

Holotype: BMNH, no. Pal. PI-II-60.

Family Derbidae**Genus *Cedusa***

Cedusa credula EMELJANOV & SHCHERBAKOV, 2000

Holotype: BMNH, no. Pal. PI-II-58.

Genus *Dysimia*

Dysimia imprudens EMELJANOV & SHCHERBAKOV, 2000

Holotype: BMNH, no. Pal. PI-II-61.

Family Ciriacremidae

Genus *Sulciana* KLIMASZEWSKI, 1998

Type species: *Sulciana macroconi* KLIMASZEWSKI, 1998

Sulciana macroconi KLIMASZEWSKI, 1998

Holotype: AMNH, no. DR-14-67.

Family Rhinocolidae

Genus *Primascena* KLIMASZEWSKI, 1998

Type species: *Primascena subita* KLIMASZEWSKI, 1998

Primascena subita KLIMASZEWSKI, 1998

Holotype: AMNH, no. DR-14-67.

Genus *Vicinilura* KLIMASZEWSKI, 1996

Type species: *Vicinilura reposta* KLIMASZEWSKI, 1996

Vicinilura reposta KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620(6).

Family Rhinopsyllidae

Genus *Rhinopsyllida* KLIMASZEWSKI, 1996

Type species: *Rhinopsyllida acutealla* KLIMASZEWSKI, 1996

Rhinopsyllida acutealla KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620(7).

Genus *Succinopsylla* KLIMASZEWSKI, 1995

Type species: *Succinopsylla dominicana* KLIMASZEWSKI, 1995

Succinopsylla dominicana KLIMASZEWSKI, 1995

Holotype: Geologisch-Paläontologisches Institut und Museum, Universität Hamburg, Germany, no. 3633.

Family Psyllidae

Genus *Indepsylla* KLIMASZEWSKI, 1996

Type species: *Indepsylla mortua* KLIMASZEWSKI, 1996

Indepsylla mortua KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620(5).

Genus *Parapsyllopsiopsis* KLIMASZEWSKI, 1996

Type species: *Parapsyllopsiopsis carabeus* KLIMASZEWSKI, 1996

Parapsyllopsiopsis carabeus KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620 (1).

Genus *Otroacizzia* KLIMASZEWSKI, 1996

Type species: *Otroacizzia muta* KLIMASZEWSKI, 1996

Otroacizzia muta KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620 (2).

Otroacizzia prosapia KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1686 (1).

Otroacizzia tertia KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1681 (2).

Genus *Paropsylla* KLIMASZEWSKI, 1996

Type species: *Paropsylla olima* KLIMASZEWSKI, 1996

Paropsylla olima KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1268.

Family Triozidae

Genus *Heterotrioza*

Heterotrioza grimaldii KLIMASZEWSKI, 1996

Holotype: AMNH, no. DR-10-1620 (8).

Genus *Trioacantha* KLIMASZEWSKI, 1998

Type species: *Trioacantha indocilia* KLIMASZEWSKI, 1998

Trioacantha indocilia KLIMASZEWSKI, 1998

Holotype: AMNH, no. DR-14-222.

Order Heteroptera

Family Enicocephalidae

Genus *Alienates*

Alienates brodzinskyi GRIMALDI, MICHALSKI & SCHMIDT, 1993

Holotype: AMNH, no. DR-10-35A.

Alienates electrodominicus GRIMALDI, MICHALSKI & SCHMIDT, 1993

Holotype: AMNH, no. DR-8-32.

Genus *Enicocephalus*

Enicocephalus omen GRIMALDI, MICHALSKI & SCHMIDT, 1993

Holotype: AMNH, no. DR-10-74.

Enicocephalus prius GRIMALDI, MICHALSKI & SCHMIDT, 1993

Holotype: AMNH, no. 11835.

Enicocephalus seniculus GRIMALDI, MICHALSKI & SCHMIDT, 1993

Holotype: AMNH, no. DR-10-67.

Enicocephalus subvitreus GRIMALDI, MICHALSKI & SCHMIDT, 1993
Holotype: AMNH, no. DR-8-369.

Genus *Paralienates* MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1996
Type species: *Paralienates hyalinus* MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1996

Paralienates hyalinus MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1996
Holotype: Coll. POINAR, OSUC, no. HE-2-24.

Family Gerridae

Genus *Brachymetroides* ANDERSEN, 2001
Type species: *Brachymetroides atra* ANDERSEN, 2001

Brachymetroides atra ANDERSEN, 2001
Holotype: AMNH, no. DR-10-27.

Genus *Electrobates* ANDERSEN & POINAR, 1992
Type species: *Electrobates spinipes* ANDERSEN & POINAR, 1992

Electrobates spinipes ANDERSEN & POINAR, 1992
Holotype: Coll. POINAR, OSUC, no. HE-4-20.

Family Veliidae

Genus *Microvelia*

Microvelia grimaldii ANDERSEN, 2001
Holotype: AMNH, no. DR-14-1202.

Microvelia electra ANDERSEN, 2001
Holotype: AMNH, no. DR-14-59.

Microvelia polhemi ANDERSEN, 2000
Holotype: AMNH, no. DR-10-324.

Genus *Halovelia*

Halovelia electrodominica ANDERSEN & POINAR, 1998
Holotype: Coll. POINAR, OSUC, no. HE-4-28.

Family Thaumastocoridae

Genus *Paleodoris* POINAR & SANTIAGO-BLAY, 1997
Type species: *Paleodoris lattini* POINAR & SANTIAGO-BLAY, 1997

Paleodoris lattini POINAR & SANTIAGO-BLAY, 1997

Holotype: Coll. POINAR, OSUC, no. HE-4-49.

Genus *Discocoris**Discocoris dominicanus* SLATER & BARANOWSKI, 2000

Holotype: Coll. BARANOWSKI, University of Florida, Gainesville, USA, without number.

Family Tingidae

Genus *Eocader**Eocader babyrussus* GOLUB & POPOV, 2000a

Holotype: AMNH, no. DR-8-383.

Genus *Leptopharsa**Leptopharsa poinari* GOLUB & POPOV, 2000b

1999 *Gargaphia dominicana* n. sp. – GOLUB & POPOV [nom. nud.]
Holotype: AMNH, no. DR-10-1797.

Leptopharsa evsyunini GOLUB & POPOV, 2000b

1999 *Gargaphia vitrea* n. sp. – GOLUB & POPOV [nom. nud.]
Holotype: AMNH, no. DR-10-44.

Leptopharsa fratei GOLUB & POPOV, 2003

Holotype: Coll. POINAR, OSUC, no. HE- 4-8F.

Genus *Stephanitis**Stephanitis rozanovi* GOLUB & POPOV, 2003

Holotype: Coll. POINAR, OSUC, no. HE-4-8I.

Family Miridae

Genus *Diphleps**Diphleps yenli* SANTIAGO-BLAY & POINAR, 1993

Holotype: Coll. POINAR, OSUC, no. HE-4-17.

Genus *Reuteroscopus**Reuteroscopus carvalhoi* MALDONADO CAPRILES & POINAR, 1995a

Holotype: Coll. POINAR, OSUC, no. HE-4-47.

Genus *Stomatomiris* MALDONADO CAPRILES & POINAR, 1995b

Type species: *Stomatomiris funebris* MALDONADO CAPRILES & POINAR, 1995b

Stomatomiris funebris MALDONADO CAPRILES & POINAR, 1995b
Holotype: Coll. POINAR, OSUC, no. HE-4-33.

Family Cydnidae

Genus *Dallasiellus*

Dallasiellus succineus THOMAS, 1994
Holotype: AMNH, no. DR-10-13.

Genus *Amnestus*

Amnestus electricus THOMAS, 1994
Holotype: AMNH, no. DR-10-22.

Amnestus priscus THOMAS, 1994
Holotype: AMNH, no. DR-8-48.

Family Reduviidae

Genus *Alumeda* POPOV, 1989
Type species: *Alumeda nigricans* POPOV, 1989

Alumeda nigricans POPOV, 1989
Holotype: SMNS, no. DO-3319-E.

Alumeda dominicana POPOV, 1989
Holotype: SMNS, no. DO-3043-E.

Alumeda antilliana POPOV, 1989
Holotype: SMNS, no. DO-3861-M-1.

Genus *Empiploiariola* POPOV, 1993
Type species: *Empiploiariola inermes* POPOV, 1993

Empiploiariola inermes POPOV, 1993
Holotype: AMNH, no. 11308B.

Genus *Malacopus*

Malacopus wygodzinskyi POPOV, 1987
Holotype: SMNS, no. DO-3390-M.

Genus *Paleoploiariola* MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR,
1993a

Type species: *Paleoploiariola venosa* MALDONADO CAPRILES, SANTIAGO-BLAY &
POINAR, 1993a

Paleoploiariola venosa MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1993a
Holotype: Coll. POINAR, OSUC, no. HE-4-23.

Genus *Apicrenus* MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1993b
Type species: *Apicrenus fossilis* MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1993b

Apicrenus fossilis MALDONADO CAPRILES, SANTIAGO-BLAY & POINAR, 1993b
Holotype: Coll. POINAR, OSUC, no. 39842.

Genus *Praecoris* POINAR, 1991b
Type species: *Praecoris dominicana* POINAR, 1991b

Praecoris dominicana POINAR, 1991b
Holotype: Coll. POINAR, OSUC, no. HE-4-26.

Family Aradidae

Genus *Calisiopsis*

Calisiopsis brodzinskyorum FROESCHNER, 1992
Holotype: USNM, without number.

Genus *Mezira*

Mezira scheveni HEISS, 2000
Holotype: Coll. HEISS, Tiroler Landesmuseum, Innsbruck, Austria, without number.

Order Neuroptera Family Coniopterygidae

Genus *Spiloconis*

Spiloconis glaesaria MEINANDER, 1998
Holotype: AMNH, no. DR-10-59.

Family Myrmeleontidae

Genus *Porrerus*

Porrerus dominicanus POINAR & STANGE, 1996
Holotype: Coll. JIM WORK, Ashland, Oregon, USA, without number.

Family HemerobiidaeGenus *Notiobiella**Notiobiella thaumasta* OSWALD, 1999

Holotype: AMNH, no. DR-14-1124.

Order Strepsiptera
Family MyrmecolacidaeGenus *Myrmecolax**Myrmecolax glaesi* KINZELBACH, 1983

Holotype: Geologisch-Paläontologisches Institut und Museum, Universität Hamburg, Germany, no. 1232.

Genus *Stichotrema**Stichotrema beckeri* DE OLIVEIRA & KOGAN, 1959 [extant]1983 *Stichotrema* aff. *beckeri* DE OLIVEIRA & KOGAN, 1959. – KINZELBACH

Material: Coll. LIEDTKE, Itzehoe, Germany; Coll. J. SCHEVEN, Hagen, Germany; Coll. J. WUNDERLICH, Straubenhardt, Germany.

Stichotrema dominicanum KINZELBACH & POHL, 1994

Holotype: Coll. J. SCHEVEN, Hagen, Germany.

Genus *Caenocholax**Caenocholax brodzinskyi* KATHIRITHAMBY & GRIMALDI, 1993

Holotype: AMNH, no. DR-10-3.

Caenocholax dominicensis KATHIRITHAMBY & GRIMALDI, 1993

Holotype: AMNH, no. DR-8-27.

Family BohartillidaeGenus *Bohartilla**Bohartilla joachimscheveni* KINZELBACH & POHL, 19941993 *Bohartilla megalognatha* KINZELBACH, 1969. – KATHIRITHAMBY & GRIMALDI

Holotype: Coll. J. SCHEVEN, Hagen, Germany.

Bohartilla kinzelbachi KATHIRITHAMBY & GRIMALDI, 1993

Holotype: AMNH, no. DR-10-6.

Family Elenchidae

Genus *Protelencholax* KINZELBACH, 1979

Type species: *Protelencholax schleei* KINZELBACH, 1979

Protelencholax schleei KINZELBACH, 1979

Holotype: SMNS, no. DO-7-K-1.

Order Coleoptera

Family Paussidae

Genus *Eohomopterus*

Eohomopterus paulmuelleri NAGEL, 1987

Holotype: Coll. NAGEL, Institute of Environmental Sciences, University of Basel, Switzerland, without number.

Eohomopterus poinari NAGEL, 1997

Holotype: Coll. POINAR, OSUC, no. C-7-59A.

Genus *Homopterus*

Homopterus hispaniolensis NAGEL, 1987

Holotype: Coll. NAGEL, Institute of Environmental Sciences, University of Basel, Switzerland, without number.

Genus *Protopaussus*

Protopaussus pristinus NAGEL, 1997

Holotype: Coll. POINAR, OSUC, no. C-7-59B.

Family Dytiscidae

Genus *Copelatus*

Copelatus predaveterus MILLER, 2003 [in: MILLER & BALKE 2003]

Holotype: AMNH, no. DR-14- 615.

Family Hybosoridae

Genus *Procoilodes* OCAMPO, 2002

Type species: *Procoilodes adrastus* OCAMPO, 2002

Procoilodes adrastus OCAMPO, 2002

Holotype: AMNH, no. DR-10-136.

Genus *Tyrannasorus* RATCLIFFE & OCAMPO, 2001

Type species: *Tyrannasorus rex* RATCLIFFE & OCAMPO, 2001

Tyrannasorus rex RATCLIFFE & OCAMPO, 2001
Holotype: AMNH, no. DR-10-702.

Family Staphylinidae

Genus *Liberiana*

Liberiana sp. (IRMLER 2003)
Material: SMNS, no. DO-1410-K.

Genus *Lispinomimus* IRMLER, 2003
Type species: *Lispinomimus atavus* IRMLER, 2003

Lispinomimus atavus IRMLER, 2003
Holotype: SMNS, no. DO-449-K.

Genus *Nacaeus*

Nacaeus dominicanensis IRMLER, 2003
Holotype: SMNS, no. DO-176-K.

Genus *Neosorius*

Neosorius sp. 1 (IRMLER 2003)
Material: SMNS, no. DO-631-K.

Neosorius sp. 2 (IRMLER 2003)
Material: SMNS, no. DO-488-K

Genus *Osoriellus*

Osoriellus sp. (IRMLER 2003)
Material: SMNS, no. DO-326-K, DO-381-K.

Genus *Prorhinopsenius*

Prorhinopsenius alzadae KISTNER, 1998
Holotype: Coll. KISTNER, no. 3 (to be deposited in the Field Museum of Natural History, Chicago, USA).

Prorhinopsenius poinari KISTNER, 1998
Holotype: Coll. KISTNER, no. 13 (to be deposited in the Field Museum of Natural History, Chicago, USA).

Prorhinopsenius seeversi KISTNER, 1998
Holotype: Coll. KISTNER, no. 11 (to be deposited in the Field Museum of Natural History, Chicago, USA).

Genus *Thoracophorus**Thoracophorus palaeobrevicristatus* IRMLER, 2003

Holotype: SMNS, no. DO-189-K.

Family Buprestidae

Genus *Chrysobothris**Chrysobothris amberestris* BELLAMY, 1999

Holotype: AMNH, no. DR-14-263.

Family Leiodidae

Genus *Aglyptinus**Aglyptinus poinari* PERKOVSKY, 2000

Holotype: Coll. POINAR, OSUC, no. C-7-358A.

Family Erotylidae

Genus *Dacne**Dacne brodzinskyi* SKELLEY, 1997

Holotype: Florida State Collection of Arthropods, Gainesville, USA, without number.

Family Tenebrionidae

Genus *Allecula**Allecula* sp. (DOYEN & POINAR 1994)

Material: Coll. POINAR, OSUC, no. C-7-48.

Genus *Cymatodes**Cymatodes dominicus* DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, without number.

Genus *Hymenorus**Hymenorus oculatus* DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-44.

Genus *Hypogena*

Hypogena marginalis DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-101.

Genus *Liodema*

Liodema phalacroides DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-128.

Genus *Lobopoda*

Lobopoda annosa DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-122.

Lobopoda sp. (DOYEN & POINAR 1994)
Material: Coll. POINAR, OSUC, no. C-7-139.

Genus *Lorelus*

Lorelus angulatus DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-132.

Lorelus foraminosus DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-138.

Lorelus minutulus DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-141.

Lorelus wolcotti DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-140.

Genus *Neomida*

Neomida senicula DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-144.

Genus *Nesocyrtosoma*

Nesocyrtosoma antiquus (KASZAB & SCHAWALLER, 1984)
1984 *Hesiodobates* n. g. *antiquus* n. sp. – KASZAB & SCHAWALLER
1994 *Nesocyrtosoma antiquus* (KASZAB & SCHAWALLER, 1984). – DOYEN & POINAR
Holotype: SMNS, no. DO-3240-M-1.

Nesocyrtosoma celadonum DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-148.

Nesocyrtosoma hadratum DOYEN & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-146.

Nesocyrtosoma impensum DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, without number.

Nesocyrtosoma phthanatum DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-147.

Genus *Parahymenorus*

Parahymenorus sp. (DOYEN & POINAR 1994)

Material: Coll. POINAR, OSUC, no. C-7-149.

Genus *Platydema*

Platydema sp. (DOYEN & POINAR 1994)

Material: Coll. POINAR, OSUC, no. C-7-150.

Genus *Rhipidandrus*

Rhipidandrus quadripapillatus DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-162.

Genus *Statira*

Statira dermoidea DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-153.

Genus *Trientoma*

Trientoma nascens DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-154.

Genus *Tyrtaeus*

Tyrtaeus azureus DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-155.

Tyrtaeus elongatus DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-156.

Tyrtaeus flavoantennatus DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-157.

Tyrtaeus thoracicus DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-158.

Genus *Wattius**Wattius reflexus* DOYEN & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-159.

Family Bruchidae

Genus *Caryobruchus**Caryobruchus dominicanus* POINAR, 1999

Holotype: Coll. POINAR, OSUC, C-7-104A.

Family Cerambycidae

Genus *Paleohemilophus* MARTINS & GALILEO, 1999Type species: *Paleohemilophus dominicanus* MARTINS & GALILEO, 1999*Paleohemilophus dominicanus* MARTINS & GALILEO, 1999

Holotype: Museu de la Ciència, Barcelona, Spain, no. 194.

Family Chrysomelidae

Genus *Acallepitrix**Acallepitrix* sp. (SANTIAGO-BLAY & CRAIG 1999)

Material: Coll. CRAIG (to be deposited in the California Academy of Sciences, San Francisco, USA).

Genus *Alethaxius**Alethaxius* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. POINAR, OSUC, no. C-7-22.

Genus *Chalcosicya**Chalcosicya* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. POINAR, OSUC, no. C-7-88 & C-7-305C.

Genus *Colaspoides**Colaspoides?* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. POINAR, OSUC, no. C-7-305D & C-7-305A.

Genus *Diachus**Diachus* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. Craig (to be deposited in the California Academy of Sciences, San Francisco, USA).

Genus *Glyptocelis**Glyptocelis* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. Craig (to be deposited in the California Academy of Sciences, San Francisco, USA).

Genus *Leptonesiotes**Leptonesiotes virkkii* SANTIAGO-BLAY, POINAR & CRAIG, 1996

Holotype: Coll. POINAR, OSUC, no. C-7-89.

Genus *Metachroma**Metachroma* sp. (SANTIAGO-BLAY, POINAR & CRAIG 1996)

Material: Coll. POINAR, OSUC, no. C-7-161 and Coll. CRAIG (to be deposited in the California Academy of Sciences, San Francisco, USA).

Genus *Sceloenopla**Sceloenopla ambarensis* SANTIAGO-BLAY, POINAR & CRAIG, 1996

Holotype: Coll. POINAR, OSUC, no. C-7-112.

Sceloenopla dominicana STAINES & SAMUELSON, 2000

Holotype: Bishop Museum, Honolulu, Hawaii, USA, no. 16206.

Sceloenopla stainesorum SANTIAGO-BLAY & CRAIG, 1999

Holotype: Coll. Craig, without number (to be deposited in the California Academy of Sciences, San Francisco, USA).

Genus *Wanderbiltiana**Wanderbiltiana wawasita* SANTIAGO-BLAY, SAVINI, FURTH, CRAIG & POINAR, 2004
1996 *Walterianella* sp. – SANTIAGO-BLAY et al.

Holotype: Coll. POINAR, OSUC, no. C-7-125.

Family Curculionidae

Genus *Velatis* POINAR & VOISIN, 2003Type species: *Velatis dominicana* POINAR & VOISIN, 2003*Velatis dominicana* POINAR & VOISIN, 2003

Holotype: Coll. POINAR, OSUC, no. C-9-387.

Family Scolytidae

Genus *Cladoctonus*

Cladoctonus angustostriatus BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-190.

Cladoctonus ruber BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-187.

Genus *Corthyles* BRIGHT & POINAR, 1994
Type species: *Corthyles bicolor* BRIGHT & POINAR, 1994

Corthyles bicolor BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-243.

Genus *Cnemonyx*

Cnemonyx priscus BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-231.

Genus *Dryomites* BRIGHT & POINAR, 1994
Type species: *Dryomites incognitus* BRIGHT & POINAR, 1994

Dryomites incognitus BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-241.

Genus *Gnathotrichus*

Gnathotrichus fossor BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-244.

Genus *Hypothenemus*

Hypothenemus avitus BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-242.

Genus *Micracites* BRIGHT & POINAR, 1994
Type species: *Micracites squamifera* BRIGHT & POINAR, 1994

Micracites squamifera BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-240.

Genus *Microcorthylus*

Microcorthylus antiquarius BRIGHT & POINAR, 1994
Holotype: Coll. POINAR, OSUC, no. C-7-245.

Genus *Paleophthorus* BRIGHT & POINAR, 1994Type species: *Paleophthorus bispinus* BRIGHT & POINAR, 1994*Paleophthorus bispinus* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-246.

Genus *Paleosinus* BRIGHT & POINAR, 1994Type species: *Paleosinus fossulatus* BRIGHT & POINAR, 1994*Paleosinus fossulatus* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-188.

Genus *Phloeotribus**Phloeotribus antiquus* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-186.

Genus *Pityophthorus**Pityophthorus antiquarius* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-247.

Pityophthorus aphelofacies BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-248.

Pityophthorus temporarius BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-249.

Genus *Protosinus* BRIGHT & POINAR, 1994Type species: *Protosinus hispaniolensis* BRIGHT & POINAR, 1994*Protosinus hispaniolensis* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-189.

Genus *Pycnarthrum**Pycnarthrum senectum* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-236.

Genus *Scolytodes**Scolytodes electrosinus* BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-238.

Scolytodes neoschwarzi BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-239.

Genus *Scolytus*

Scolytus poinari BRIGHT, 1994 [In: BRIGHT & POINAR 1994]

Holotype: Coll. POINAR, OSUC, no. C-7-232.

Family Platypodidae

Genus *Cenocephalus*

Cenocephalus antillicus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-165.

Cenocephalus antiquus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-166.

Cenocephalus biconicus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-167.

Cenocephalus exquisitus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-168.

Cenocephalus senectus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-176.

Cenocephalus spinatus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-177.

Genus *Mitosoma*

Mitosoma rhinoceroide SCHAWALLER, 1981

Holotype: SMNS, no. DO-119-K-1.

Genus *Tesserocerus*

Tesserocerus primus BRIGHT & POINAR, 1994

Holotype: Coll. POINAR, OSUC, no. C-7-183.

Order Hymenoptera

Family Argidae

Genus *Didyma*

Didyma dominicana SMITH & POINAR, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-48-A.

Didyma davisi SMITH & POINAR, 1992

Holotype: USNM, no. 10500.

Didyma protrea SMITH & POINAR, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-48-B.

Didyma poinari SMITH & POINAR, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-48-C.

Didyma ebena SMITH & POINAR, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-36.

Family Evaniidae

Genus *Brachygaster*

Brachygaster dominicanus NEL, MARTÍNEZ-DELCLÒS & AZAR, 2002

Holotype: Museu de la Ciència, Barcelona, Spain, no. 0168.

Family Braconidae

Genus *Aivalykus*

Aivalykus dominicanus ZUPARKO & POINAR, 1997

Holotype: Coll. POINAR, OSUC, no. H-10-93.

Family Pteromalidae

Genus *Spalangiopelta*

Spalangiopelta georgei DARLING, 1997

Holotype: AMNH, no. DR-10-1071.

Family Torymidae

Genus *Neopalachia*

Neopalachia bouceki GRISSELL, 1980

Holotype: Florida State Collection of Arthropods, Gainesville, USA, without number.

Genus *Zophodetus* GRISSELL, 1980

Type species: *Zophodetus woodruffi* GRISSELL, 1980

Zophodetus woodruffi GRISSELL, 1980

Holotype: Florida State Collection of Arthropods, Gainesville, USA, without number.

Family LeucospidaeGenus *Leucospis**Leucospis glaesaria* ENGEL, 2002

Holotype: AMNH, no. DR-10-1869.

Family MutillidaeGenus *Dasymutilla**Dasymutilla albifasciatus* MANLEY & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. H-10-111.

Dasymutilla dominicana MANLEY & POINAR, 1991

Holotype: Museum of Dominican amber, Puerto Plata, Dominican Republic, without number.

Dasymutilla sp. (MANLEY & POINAR 2003)

Material: Coll. POINAR, OSUC, no. H-10-177.

Genus *Ephuta**Ephuta clavigera* BROTHERS, 2003

Holotype: AMNH, no. DR-10-1847.

Family DryinidaeGenus *Aphelopus**Aphelopus poinari* OLMÍ, 1998a

Holotype: Coll. POINAR, OSUC, no. H-10-122.

Genus *Bocchus**Bocchus vetustus* OLMÍ, 1989

Holotype: California Academy of Sciences, San Francisco, USA, no. CAS-16718.

Genus *Dryinus**Dryinus grimaldii* OLMÍ, 1995

Holotype: AMNH, no. DR-10-1426.

Dryinus hymenaeaphilus OLMÍ, 1995

Holotype: AMNH, no. DR-10-1425.

Dryinus palaeodomnicanus CURRADO & OLMÍ, 1983

Holotype: Museo Regionale di Scienze Naturali, Torino, Italy, without number.

Dryinus poinari OLMÍ, 1998a

Holotype: Coll. POINAR, OSUC, no. H-10-23F.

Dryinus priscus OLMÍ, 1998b

Holotype: AMNH, no. DR-14-341.

Dryinus pristinus OLMÍ, 1998b

Holotype: AMNH, no. DR-14-1139.

Dryinus vetustus OLMÍ, 1995

Holotype: AMNH, no. DR-10-1424.

Genus *Harpactosphecion**Harpactosphecion sucinum* (OLMÍ, 1987)

1987 *Alphadryinus sucinus* n. sp. – OLMÍ

1995 *Dryinus sucinus* (OLMÍ, 1987). – OLMÍ

1998 *Pseudodryinus sucinus* (OLMÍ, 1987). – OLMÍ [1998a]

1999 *Harpactosphecion sucinum* (OLMÍ, 1987). – OLMÍ

Holotype: Museo Regionale di Scienze Naturali, Torino, Italy, without number.

Genus *Thaumatodryinus**Thaumatodryinus miocenicus* OLMÍ, 1995

Holotype: AMNH, without number.

Family **Scolebythidae**

Genus *Dominibythus* PRENTICE & POINAR, 1996 [in: PRENTICE et al. 1996]

Type species: *Dominibythus inopinatus* PRENTICE & POINAR, 1996

Dominibythus inopinatus PRENTICE & POINAR, 1996 [in: PRENTICE et al. 1996]

Holotype: USNM, no. 7594.

Family **Formicidae**Subfamilie **Cerapachyinae**Genus *Acanthostichus**Acanthostichus hispaniolicus* DE ANDRADE, 1998a

Holotype: SMNS, no. DO-5205-1.

Genus *Cylindromyrmex**Cylindromyrmex antillanus* DE ANDRADE, 1998b

Holotype: SMNS, no. DO-4130.

Cylindromyrmex electrinus DE ANDRADE, 1998b

Holotype: MCZ, without number.

Cylindromyrmex inopinatus DE ANDRADE, 2001
 Holotype: Coll. POINAR, OSUC, no. H-10-138C.

Subfamily Dolichoderinae

Genus *Azteca*

Azteca alpha WILSON, 1985c
 Holotype: MCZ, without number.

Azteca eumeces WILSON, 1985c
 Holotype: MCZ, without number.

Genus *Dolichoderus*

Dolichoderus dibolia WILSON, 1985c
 Holotype: Florida State Collection of Arthropods, Gainesville, USA, without number.

Genus *Hypoclinea*

Hypoclinea primitiva WILSON, 1985c
 Holotype: MCZ, without number.

Genus *Iridomyrmex*

Iridomyrmex humiloides WILSON, 1985c
 Holotype: MCZ, without number.

Genus *Monacis*

Monacis caribbaea WILSON, 1985c
 Holotype: MCZ, without number.

Monacis prolaminata WILSON, 1985c
 Holotype: MCZ, without number.

Genus *Tapinoma*

Tapinoma trochis WILSON, 1985c
 Holotype: MCZ, without number.

Genus *Technomyrmex*

Technomyrmex caritatis BRANDAO & BARONI-URBANI, 1999
 [In: BRANDAO et al. 1999]
 Holotype: Museu de la Ciència, Barcelona, Spain, no. 0060-16O.

Technomyrmex hispaniolae (WILSON, 1985c)1985 *Iridomyrmex hispaniolae*, n. sp. – WILSON [1985c]1992 *Linepithema hispaniolae* (WILSON, 1985). – SHATTUCK1999 *Technomyrmex hispaniolae* (WILSON, 1985). – BRANDAO et al.

Holotype: MCZ, without number.

Subfamily DorylinaeGenus *Neivamyrmex**Neivamyrmex ectopus* WILSON, 1985b

Holotype: MCZ, without number.

Subfamily FormicinaeGenus *Acropyga**Acropyga* sp. (JOHNSON et al. 2001)

Material: AMNH; Coll. R. LARIMER, New York and Coll. M. v. TSCHIRNAUS, Frankfurt, Germany.

Genus *Camponotus**Camponotus neotropicus* (BARONI-URBANI, 1980c)1980 *Leptomyrmex neotropicus* n. sp. – BARONI-URBANI [1980c]1985 *Camponotus neotropicus* (BARONI-URBANI, 1980). – WILSON [1985c]

Holotype: SMNS, no. DO-996-K-1.

Subfamily MyrmicinaeGenus *Acanthognathus**Acanthognathus poinari* BARONI-URBANI, 1994 [In: BARONI-URBANI & DE ANDRADE 1994]

Holotype: Coll. POINAR, OSUC, no. H-10-135.

Genus *Aphaenogaster**Aphaenogaster amphioceanica* DE ANDRADE, 1995

Holotype: SMNS, no. DO-4629-B.

Genus *Cephalotes**Cephalotes alveolatus* (VIERBERGEN & SCHEVEN, 1995)1995 *Zacryptocerus alveolatus* n. sp. – VIERBERGEN & SCHEVEN1999 *Cephalotes alveolatus* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI

Holotype: SMNS, no. Do-5961 (ex Coll. SCHEVEN).

- Cephalotes bloosi* BARONI-URBANI & DE ANDRADE, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: Coll. POINAR, OSUC, no. H-10-119.
- Cephalotes brevispinus* DE ANDRADE, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: Coll. POINAR, OSUC, no. H-10-105.
- Cephalotes caribicus* DE ANDRADE, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: SMNS, no. DO-5383.
- Cephalotes dieteri* BARONI-URBANI, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: SMNS, no. DO-618.
- Cephalotes hispaniolicus* DE ANDRADE, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: SMNS, no. DO-4163.
- Cephalotes integerrimus* (VIERBERGEN & SCHEVEN, 1995)
1995 *Zacryptocerus integerrimus* n. sp. – VIERBERGEN & SCHEVEN
1999 *Cephalotes integerrimus* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI
Holotype: SMNS, no. Do-5689 (ex Coll. SCHEVEN).
- Cephalotes janssei* (VIERBERGEN & SCHEVEN, 1995)
1995 *Exocryptocerus janssei* n. sp. – VIERBERGEN & SCHEVEN
1999 *Cephalotes janssei* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI
Holotype: SMNS, no. Do-5688 (ex Coll. SCHEVEN).
- Cephalotes obscurus* (VIERBERGEN & SCHEVEN, 1995)
1995 *Zacryptocerus obscurus* n. sp. – VIERBERGEN & SCHEVEN
1999 *Cephalotes obscurus* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI
Holotype: MCZ, no. MCZ-9.
- Cephalotes serratus* (VIERBERGEN & SCHEVEN, 1995)
1995 *Exocryptocerus serratus* n. sp. – VIERBERGEN & SCHEVEN
1999 *Exocryptocerus elevatus* VIERBERGEN & SCHEVEN, 1995. – DE ANDRADE & BARONI-URBANI [Holotype: SMNS, no. Do-5692 (ex Coll. SCHEVEN)]
1999 *Exocryptocerus truncatus* VIERBERGEN & SCHEVEN, 1995. – DE ANDRADE & BARONI-URBANI [Holotype: SMNS, no. Do-5693 (ex Coll. SCHEVEN)]
1999 *Cephalotes serratus* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI
Holotype: SMNS, no. Do-5694 (ex Coll. SCHEVEN).
- Cephalotes squamosus* (VIERBERGEN & SCHEVEN, 1995)
1995 *Zacryptocerus squamosus* n. sp. – VIERBERGEN & SCHEVEN
1999 *Zacryptocerus pseudo-aztecus* VIERBERGEN & SCHEVEN, 1995. – DE ANDRADE & BARONI-URBANI [Holotype: SMNS, no. Do-5690 (ex Coll. SCHEVEN)]
1999 *Cephalotes squamosus* (VIERBERGEN & SCHEVEN, 1995). – DE ANDRADE & BARONI-URBANI
Holotype: SMNS, no. Do-5696 (ex Coll. SCHEVEN).

Cephalotes sucinus DE ANDRADE, 1999 [In: DE ANDRADE & BARONI-URBANI 1999]
Holotype: Coll. POINAR, OSUC, no. H-10-118.

Genus *Cyphomyrmex*

Cyphomyrmex taino DE ANDRADE, 2003
Holotype: MCZ, without number.

Genus *Ilemomyrmex* WILSON, 1985a
Type species: *Ilemomyrmex caecus* WILSON, 1985a

Ilemomyrmex caecus WILSON, 1985a
Holotype: MCZ, without number.

Genus *Leptothorax*

Leptothorax caritatis DE ANDRADE [In: DE ANDRADE et al. 1999]
Holotype: MCZ, without number.

Leptothorax dominicanus DE ANDRADE [In: DE ANDRADE et al. 1999]
Holotype: Coll. POINAR, OSUC, no. H-10-208A.

Leptothorax praecreolus DE ANDRADE, 1992
Holotype: Natural History Museum of Basel, Switzerland, no. PE-107.

Genus *Oxydris* WILSON, 1985a
Type species: *Oxydris antillana* WILSON, 1985a

Oxydris antillana WILSON, 1985a
Holotype: MCZ, without number.

Genus *Pheidole*

Pheidole primigenia BARONI-URBANI, 1995
Holotype: SMNS, no. DO-4440.

Pheidole tethepa WILSON, 1985a
Holotype: MCZ, without number.

Pheidole sp. (BARONI-URBANI 1995)
Material: SMNS, no. DO-1645-K.

Genus *Strumigenys*

Strumigenys electrina DE ANDRADE, 1994 [In: BARONI-URBANI & DE ANDRADE
1994]

Holotype: SMNS, no. DO-3854-1.

Strumigenys schleorum BARONI-URBANI, 1994 [In: BARONI-URBANI &
DE ANDRADE 1994]
Holotype: SMNS, no. DO-4909-1.

Genus *Trachymyrmex*

Trachymyrmex primaevus BARONI-URBANI, 1980a
Holotype: SMNS, no. DO-377-K-1.

Subfamily Ponerinae

Genus *Anochetus*

Anochetus ambiguus DE ANDRADE, 1994
Holotype: SMNS, no. DO-3346.

Anochetus brevidentatus MAC KAY, 1991
Holotype: MCZ, without number.

Anochetus conisquamis DE ANDRADE, 1994
Holotype: SMNS, no. DO-3955.

Anochetus corayi BARONI-URBANI, 1980b
Holotype: SMNS, no. DO-834-K-1.

Anochetus dubius DE ANDRADE, 1994
Holotype: SMNS, no. DO-4192.

Anochetus exstinctus DE ANDRADE, 1994
Holotype: SMNS, no. DO-5479.

Anochetus intermedius DE ANDRADE, 1994
Holotype: BMNH, without number.

Anochetus lucidus DE ANDRADE, 1994
Holotype: SMNS, no. DO-2846-1.

Genus *Discothyrea*

Discothyrea gigas DE ANDRADE, 1998c
Material: Coll. POINAR, OSUC, no. H-10-178-A.

Genus *Gnamptogenys*

Gnamptogenys levinates BARONI-URBANI, 1980d
Holotype: SMNS, no. DO-926-K-1.

Gnamptogenys pristina BARONI-URBANI, 1980d
Holotype: SMNS, no. DO-1172-K-1.

Genus *Odontomachus**Odontomachus pseudobauri* DE ANDRADE, 1994

Holotype: BMNH, without number.

Odontomachus spinifer DE ANDRADE, 1994

Holotype: SMNS, no. DO-2215.

Genus *Paraponera**Paraponera dieteri* BARONI-URBANI, 1994

Holotype: SMNS, no. DO-4112.

Paraponera sp. (WILSON 1985d)

Material: MCZ, without number.

Genus *Platythyrea**Platythyrea dentata* LATTKE, 2003

Holotype: AMNH, no. DR-14-461.

Platythyrea procera LATTKE, 2003

Holotype: AMNH, no. DR-14-458.

Platythyrea pumilio DE ANDRADE, 2004

Holotype: MCZ, without number.

Platythyrea scalprum LATTKE, 2003

Holotype: AMNH, no. DR-14-354.

Genus *Proceratium**Proceratium denticulatum* LATTKE, 1990

Holotype: Instituto de Zoología Agrícola, Universidad Central de Venezuela, Maracay, Venezuela, without number.

Proceratium poinari BARONI URBANI & DE ANDRADE, 2003

Holotype: Coll. POINAR, OSUC, no. H-10-156.

Subfamily Pseudomyrmicinae

Genus *Pseudomyrmex**Pseudomyrmex antiquus* WARD, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-147.

Pseudomyrmex avitus WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex baros WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex coruscus WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex macrops WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex nexilis WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex oryctus WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex prioris WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex succinus WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex thecolor WARD, 1992

Holotype: MCZ, without number.

Pseudomyrmex vicinus WARD, 1992

Holotype: Coll. POINAR, OSUC, no. H-10-114.

Family VespidaeGenus *Agelaia**Agelaia electra* CARPENTER & GRIMALDI, 1997

Holotype: AMNH, no. DR-14-1040.

Family SphecidaeGenus *Pison**Pison antiquum* ANTROPOV & PULAWSKI, 1996

Holotype: Coll. POINAR, OSUC, no. H-10-15.

Genus *Trypoxylon**Trypoxylon dominicanum* PRENTICE & POINAR, 1993

Holotype: Coll. MANUEL PÉREZ, Dominican Republic, without number.

Trypoxylon electrum ANTROPOV, 1995

Holotype: USNM, no. 8429.

Trypoxylon eucharis PRENTICE & POINAR, 1993

Holotype: Coll. POINAR, OSUC, no. H-10-57.

Trypoxylon pallidiventre PRENTICE & POINAR, 1993

Holotype: Coll. POINAR, OSUC, no. H-10-54.

Family Colletidae

Genus *Chilicola*

Chilicola electrodominicana ENGEL, 2000

Holotype: AMNH, no. DR-10-1083.

Chilicola gracilis MICHENER & POINAR, 1996

Holotype: Coll. POINAR, OSUC, no. H-10-49.

Family Halictidae

Genus *Eickwortapis* MICHENER & POINAR, 1996

Type species: *Eickwortapis dominicana* MICHENER & POINAR, 1996

Eickwortapis dominicana MICHENER & POINAR, 1996

Holotype: Coll. POINAR, OSUC, no. H-10-70.

Genus *Oligochlora* ENGEL, 1996

Type species: *Oligochlora eickworti* ENGEL, 1996

Oligochlora eickworti ENGEL, 1996

Holotype: Coll. ETTORE MORONE, Turin, Italy, no. 684.

Oligochlora marquettorum ENGEL & RIGHTMYER, 2000

Holotype: AMNH, no. DR-14-1448.

Oligochlora grimaldii ENGEL, 1997

Holotype: AMNH, no. DR-14-839.

Oligochlora micheneri ENGEL, 1996

Holotype: Coll. ETTORE MORONE, Turin, Italy, no. 167.

Genus *Neocorynura*

Neocorynura electra ENGEL, 1995

Holotype: AMNH, without number.

Family Megachilidae

Genus *Megachile*

Subgenus *Chalicodomopsis* ENGEL, 1999a

Type species: *Megachile (Chalicodomopsis) glaesaria* ENGEL, 1999a

Megachile (Chalicodomopsis) glaesaria ENGEL, 1999a
 Holotype: Coll. ETTORE MORONE, Turin, Italy, no. M-2718.

Family Andrenidae

Genus *Heterosarus*

Heterosarus eickworti ROZEN, 1996
 Holotype: AMNH, no. DR-10-1184.

Family Apidae

Genus *Euglossa*

Euglossa moronei ENGEL, 1999b
 Holotype: Coll. ETTORE MORONE, Turin, Italy, no. M-1149.

Genus *Paleoenglossa* POINAR, 1998
 Type species: *Paleoenglossa melissiflora* POINAR, 1998

Paleoenglossa melissiflora POINAR, 1998
 Holotype: Coll. JIM WORK, Ashland, Oregon, USA, without number.

Genus *Proplebeia* MICHENER, 1982
 Type species: *Trigona (Liotrigona) dominicana* WILLE & CHANDLER, 1964

Proplebeia dominicana (WILLE & CHANDLER, 1964)
 1964 *Trigona (Liotrigona) dominicana* n. sp. – WILLE & CHANDLER
 1982 *Trigona (Proplebeia) dominicana* (WILLE & CHANDLER). – MICHENER
 Holotype: Illinois Natural History Survey, Champaign, Illinois, USA, without number.

Proplebeia vetusta CAMARGO, GRIMALDI & PEDRO, 2000
 Holotype: AMNH, no. DR-14-1481.

Proplebeia tantilla CAMARGO, GRIMALDI & PEDRO, 2000
 Holotype: AMNH, no. DR-14-1439.

Order Trichoptera

Family Glossosomatidae

Genus *Cubanoptila*

Cubanoptila poinari WICHARD, 1989
 Holotype: Coll. POINAR, OSUC, no. TR-2-4.

Cubanoptila mederi WICHARD, 1989
 Holotype: USNM, without number.

Cubanoptila grimaldii WICHARD, 1995a

Holotype: AMNH, no. DR-10-72.

Family HelicopsychidaeGenus *Helicopsyche**Helicopsyche scaloida* JOHANSON & WICHARD, 1996

Holotype: Geologisch-Paläontologisches Institut und Museum, Universität Hamburg, Germany, no. 3751.

Helicopsyche electra JOHANSON & WICHARD, 1996

Holotype: SMNS, no. 5698 (ex Coll. WICHARD).

Helicopsyche voigti JOHANSON & WICHARD, 1996

Holotype: SMNS, no. 5699 (ex Coll. WICHARD).

Family HydropsychidaeGenus *Palaehydropsyche* WICHARD, 1986

Type species: *Palaehydropsyche fossilis* WICHARD, 1986

Palaehydropsyche fossilis WICHARD, 1986

Holotype: BMNH, no. 64598.

Family HydroptilidaeGenus *Alisotrichia**Alisotrichia arizela* WELLS & WICHARD, 1989

Holotype: SMNS, no. Do-5700 (ex Coll. WICHARD).

Genus *Leucotrichia**Leucotrichia adela* WELLS & WICHARD, 1989

Holotype: USNM, without number.

Genus *Ochrotrichia**Ochrotrichia brodzinskyi* WELLS & WICHARD, 1989

Holotype: SMNS, no. Do-5701 (ex Coll. WICHARD).

Ochrotrichia aldama (MOSELY, 1937) [extant] (WELLS & WICHARD 1989)
Material: SMNS, no. Do-5702 (ex Coll. WICHARD).

Ochrotrichia chaulioda WELLS & WICHARD, 1989

Holotype: USNM, without number.

Ochrotrichia denaia WELLS & WICHARD, 1989
Holotype: USNM, without number.

Ochrotrichia doebleri WICHARD, 1981
Holotype: SMNS, no. Do-5703 (ex Coll. WICHARD).

Ochrotrichia sp. (WELLS & WICHARD 1981)
Material: SMNS, no. Do-5704 (ex Coll. WICHARD).

Family Leptoceridae

Genus *Setodes*

Setodes resinacapta WICHARD, 1995b
Holotype: USNM, no. 5023 ENT-I-7049.

Setodes aureoinclusa WICHARD, 1995b
Holotype: USNM, no. 9096 ENT-I-10680.

Family Philopotamidae

Genus *Chimarra*

Chimarra weitschati WICHARD, 1983a
Holotype: Geologisch-Paläontologisches Institut und Museum, Universität Hamburg, Germany, no. 2534.

Chimarra resiniae WICHARD, 1983a
Holotype: SMNS, no. Do-5705 (ex Coll. WICHARD).

Chimarra palaeodominicana WICHARD, 1983a
Holotype: SMNS, no. Do-5706 (ex Coll. WICHARD).

Chimarra dommeli WICHARD, 1983a
Holotype: SMNS, no. Do-5707 (ex Coll. WICHARD).

Chimarra succini WICHARD, 1983b
Holotype: SMNS, no. DO-3386-M-1.

Family Polycentropodidae

Genus *Antillopsyche*

Antillopsyche oliveri WICHARD, 1985
Holotype: SMNS, no. Do-5708 (ex Coll. WICHARD).

Order Lepidoptera
Family Tortricidae

Genus *Polyvena* POINAR & BROWN, 1993
Type species: *Polyvena horatis* POINAR & BROWN, 1993

Polyvena horatis POINAR & BROWN, 1993
Holotype: Coll. POINAR, OSUC, no. L-3-24.

Family Riodinidae

Genus *Voltina*

Voltina dramba HALL, ROBBINS & HARVEY, 2004
Holotype: USNM, without number.

Order Siphonaptera
Family Pulicidae

Genus *Pulex*

Pulex larimerius LEWIS & GRIMALDI, 1997
Holotype: AMNH, no. DR-14-1140.

Family Rhopalopsyllidae

Genus *Rhopalopsyllus*

Rhopalopsyllus sp. (POINAR 1995)
Material: Coll. POINAR, OSUC, no. SA-1-1.

Order Diptera
Family Limoniidae

Genus *Austrolimnophila*

Austrolimnophila sp. (KRZEMINSKI 1992)
Material: USNM.

Genus *Dicranomyia*

Dicranomyia fera PODENAS & POINAR, 1999
Holotype: Coll. POINAR, OSUC, no. D-7-192.

Dicranomyia lema PODENAS & POINAR, 1999
Holotype: Coll. POINAR, OSUC, no. D-7-193.

Dicranomyia sp. (KRZEMINSKI 1992)

Material: USNM and AMNH.

Genus *Elephantomyia**Elephantomyia grata* PODENAS & POINAR, 2001

Holotype: Coll. POINAR, OSUC, no. D-7-39C.

Elephantomyia sp. (KRZEMINSKI 1992)

Material: USNM.

Genus *Epiphragma**Epiphragma aurora* PODENAS & POINAR, 2001

Holotype: Coll. POINAR, OSUC, no. D-7-39A.

Epiphragma sp. (PODENAS & POINAR 2001)

Material: Coll. POINAR, OSUC, no. D-7-39I.

Genus *Geranomyia**Geranomyia eucharis* PODENAS & POINAR, 2001

Holotype: Coll. POINAR, OSUC, no. D-7-39B.

Geranomyia sp. (KRZEMINSKI 1992)

Material: USNM

Genus *Gnophomyia**Gnophomyia ieva* PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-198.

Gnophomyia martyni PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-199.

Gnophomyia sp. (KRZEMINSKI 1992)

Material: AMNH.

Genus *Gonomyia**Gonomyia asymmetrica* PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-196.

Gonomyia sp. (PODENAS & POINAR 1999)

Material: Coll. POINAR, OSUC, no. D-7-201 and D-7-201A.

Gonomyia sp. (KRZEMINSKI 1992)

Material: AMNH.

Genus *Limonia**Limonia* sp. (KRZEMINSKI 1992)

Material: USNM.

Genus *Molophilus*Subgenus *Miomolophilus* KRZEMINSKI, 1992Type species: *Molophilus (Miomolophilus) theischingeri* KRZEMINSKI, 1992*Molophilus (Miomolophilus) theischingeri* KRZEMINSKI, 1992

Holotype: AMNH, no. 11809.

Genus *Polymera**Polymera specula* PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-204.

Polymera virgo PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-205.

Polymera sp. (PODENAS & POINAR 1999)

Material: Coll. POINAR, OSUC, no. D-7-203.

Genus *Rhipidia**Rhipidia mira* PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-200.

Rhipidia sp. (KRZEMINSKI 1992)

Material: USNM.

Genus *Styringomyia**Styringomyia dominicana* PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-202.

Styringomyia optiva PODENAS & POINAR, 2001

Holotype: Coll. POINAR, OSUC, no. D-7-39H.

Styringomyia sp. (KRZEMINSKI 1992)

Material: USNM and AMNH.

Genus *Toxorhina**Toxorhina* sp. (PODENAS & POINAR 2001)

Material: Coll. POINAR, OSUC, no. D-7-207.

Toxorhina sp. (KRZEMINSKI 1992)

Material: AMNH

Genus *Trentepohlia*

Trentepohlia agri PODENAS & POINAR, 1999

Holotype: Coll. POINAR, OSUC, no. D-7-208A.

Trentepohlia sp. (KRZEMINSKI 1992)

Material: USNM and AMNH.

Family Tipulidae

Genus *Brachypremna*

Brachypremna brodzinski KRZEMINSKI, 1996

Holotype: USNM, no. 8272.

Brachypremna sp. (PODENAS & POINAR 2001)

Material: Coll. POINAR, OSUC, no. D-7-39D.

Family Keroplatidae

Genus *Orfelia*

Orfelia sp. (PEÑALVER 1995)

Material: Coll. J. M. MARÍN, Elche, Alicante, Spain, no. RD.JMMF-301.

Genus *Proceroplatus*

Proceroplatus hennigi SCHMALFUSS, 1979

Holotype: SMNS, no. DO-45-K.

Family Mycetophilidae

Genus *Aphrastomyia*

Aphrastomyia planistylus BAXTER, 1994 [in: BAXTER & POINAR 1994]

Holotype: Coll. POINAR, OSUC, no. D-7-130.

Genus *Euceroptatus*

Euceroptatus sp. (GRIMALDI & MATHIS 1993)

Material: AMNH, no. DR-63.

Genus *Metaleia* BAXTER, 1994 [in: BAXTER & POINAR 1994]

Type species: *Metaleia maculicaudata* BAXTER, 1994 [in: BAXTER & POINAR 1994]

Metaleia maculicaudata BAXTER, 1994 [in: BAXTER & POINAR 1994]
Holotype: Coll. POINAR, OSUC, no. D-7-129.

Genus *Tetragoneura*

Tetragoneura brevistipis BAXTER, 1994 [in: BAXTER & POINAR 1994]
Holotype: Coll. POINAR, OSUC, no. D-7-128.

Family Psychodidae

Genus *Pintomyia*

Pintomyia falcorum BRAZIL & FILHO, 2002
Holotype: Centro de Pesquisas René Rachou-Fiocruz, Belo Horizonte, MG Brazil,
without number.

Genus *Nemopalpus*

Nemopalpus hennigianus SCHLÜTER, 1978
Holotype: Institut für Paläontologie, Freie Universität, Berlin, Germany, no. Psy-O-
Dom.

Genus *Succinarisemus* WAGNER, 2001
Type species: *Succinarisemus scheveni* WAGNER, 2001

Succinarisemus scheveni WAGNER, 2001
Holotype: Deutsches Schöpfungsmuseum, Hofheim am Taunus, Germany, without
number.

Genus *Trilchopygomyia*

Trilchopygomyia killickorum FILHO, FALCAO & BRAZIL, 2004
Holotype: Centro de Pesquisas René Rachou-Fiocruz, Belo Horizonte, MG Brazil,
without number.

Family Anisopodiae

Genus *Neomesochria*

Neomesochria neotropica (GRIMALDI, 1991)
1991 *Mesochria neotropica* n. sp. – GRIMALDI
1994 *Neomesochria neotropica* (GRIMALDI). – AMORIM & TOZONI
Holotype: AMNH, no. DR-5-15.

Neomesochria antillea (GRIMALDI, 1991)
1991 *Mycetobia antillea* n. sp. – GRIMALDI
1994 *Neomesochria antillea* (GRIMALDI). – AMORIM & TOZONI
Holotype: AMNH, no. DR-2-13.

Neomesochria cryptambra (GRIMALDI, 1991)1991 *Mycetobia cryptambra* n. sp. – GRIMALDI1994 *Neomesochria cryptambra* (GRIMALDI). – AMORIM & TOZONI

Holotype: AMNH, no. DR-11-777.

Genus *Valeseguya**Valeseguya disjuncta* GRIMALDI, 1991

Holotype: AMNH, no. DR-11-315.

Genus *Olbiogaster**Olbiogaster perezii* GRIMALDI & AMORIM, 1995

Holotype: AMNH, no. DR-11-657.

Family ScatopsidaeGenus *Procolobostema**Procolobostema roseni* AMORIM, 1998

Holotype: AMNH, no. DR-10-956.

Genus *Scatopse**Scatopse* sp. (PEÑALVER 1995)

Material: Coll. J. M. MARIN, Elche, Alicante, Spain, no. RD-JMMF-302.

Family CorethrellidaeGenus *Corethrella**Corethrella nudistyla* BORKENT & SZADZIEWSKI, 1992

Holotype: AMNH, no. W-DR-46-b.

Family Chironomidae
Subfamily TanypodinaeGenus *Ablabesmyia**Ablabesmyia electrohispaniolana* GRUND, 2005

Holotype: SMNS, no. Do-5503-M.

Family CeratopogonidaeGenus *Atrichopogon**Atrichopogon dominicanus* SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 7875.

Genus *Baeodasymyia**Baeodasymyia dominicana* SZADZIEWSKI & GROGAN, 1994

Holotype: AMNH, no. DR-8-112.

Genus *Brachypogon*Subgenus *Brachypogon**Brachypogon (B.) americanus* SZADZIEWSKI & GROGAN, 1998b

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 1794a.

Subgenus *Isobelea**Brachypogon (Isobelea) dominicanus* SZADZIEWSKI & GROGAN, 1998b

Holotype: AMNH, no. WV-3.a.

Brachypogon (Isobelea) prominuloides SZADZIEWSKI & GROGAN, 1998b

Holotype: USNM, no. 9568.

Genus *Culicoides*Subgenus *Culicoides**Culicoides (C.) mammalicolus* SZADZIEWSKI & GROGAN, 1998b

Holotype: USNM, no. 3742.

Subgenus *Oecacta**Culicoides (Oecacta) antilleanus* SZADZIEWSKI & GROGAN, 1998b

Holotype: USNM, no. 9137.b.

Culicoides (Oecacta) brodzinskyi SZADZIEWSKI & GROGAN, 1998b

Holotype: AMNH, no. W-DR-50.

Culicoides (Oecacta) ambericus SZADZIEWSKI & GROGAN, 1998b

Holotype: USNM, no. 2905.

Culicoides (Oecacta) hispanicolus SZADZIEWSKI & GROGAN, 1998b

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 978/P.A.

Genus *Dasyhelea*

Dasyhelea antilleana SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 8178.

Dasyhelea dominicana SZADZIEWSKI & GROGAN, 1998a

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 650.

Dasyhelea hispaniolae SZADZIEWSKI & GROGAN, 1998a

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 13005.

Dasyhelea minuticola SZADZIEWSKI & GROGAN, 1998a

Holotype: AMNH, no. DR-8-114.

Genus *Forcipomyia*Subgenus *Forcipomyia*

Forcipomyia (F.) fusiparamera SZADZIEWSKI & GROGAN, 1998a

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 1616.

Forcipomyia (F.) grimaldii SZADZIEWSKI & GROGAN, 1998a

Holotype: AMNH, no. DR-6-107.

Subgenus *Lasiohelea*

Forcipomyia (Lasiohelea) americana SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 7905.

Forcipomyia (Lasiohelea) woodruffi SZADZIEWSKI & GROGAN, 1998a

Holotype: Florida State Collection of Arthropods, Gainesville, USA, no. 2289.

Subgenus *Lepidohelea*

Forcipomyia (Lepidohelea) antilleana SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 10915.

Forcipomyia (Lepidohelea) chrysosuccinea SZADZIEWSKI & GROGAN, 1998a

Holotype: AMNH, no. DR-6-35.

Forcipomyia (Lepidohelea) domibicolor SZADZIEWSKI & GROGAN, 1998a

Holotype: AMNH, no. WV-1.

Forcipomyia (Lepidohelea) lepidosuccinea SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 2932.

Subgenus *Synthyridomyia*

Forcipomyia (Synthyridomyia) tertiaricola SZADZIEWSKI & GROGAN, 1998a

Holotype: USNM, no. 10039.

Subgenus *Thyridomyia*

Forcipomyia (Thyridomyia) frutetosuccinea SZADZIEWSKI & GROGAN, 1998a
Holotype: USNM, no. 10549.

Subgenus *Trichobelea*

Forcipomyia (Trichobelea) sp. (SZADZIEWSKI & GROGAN 1998a)
Material: USNM, no. 8968.b.

Genus *Heteromyia*

Heteromyia dominicana SZADZIEWSKI & GROGAN, 1997
Holotype: SMNS, no. DO-2698.

Genus *Nannohelea*

Nannohelea sp. (SZADZIEWSKI & GROGAN 1998b)
Material: USNM, no. 9256.

Genus *Palpomyia*

Palpomyia wirthorum SZADZIEWSKI & GROGAN, 1997
Holotype: USNM, no. 10073b.

Genus *Phaenobezzia*

Phaenobezzia wirthi SZADZIEWSKI & GROGAN, 1997
Holotype: AMNH, no. DR-8-100.

Genus *Stilobezzia*Subgenus *Stilobezzia*

Stilobezzia (S.) antilleana SZADZIEWSKI & GROGAN, 1998b
Holotype: USNM, no. 9501a.

Subgenus *Acanthobelea*

Stilobezzia (Acanthobelea) dominicana SZADZIEWSKI & GROGAN, 1998b
Holotype: Coll. SZADZIEWSKI, Gdansk, Poland, no. 7a.

Stilobezzia (Acanthobelea) sp. (SZADZIEWSKI & GROGAN 1998b)
Material: USNM, no. 11320.

Family CulicidaeGenus *Anopheles**Anopheles dominicanus* ZAVORTINK & POINAR, 2000

Holotype: Coll. POINAR, OSUC, no. D-7-6A.

Family TabanidaeGenus *Stenotabanus**Stenotabanus brodzinskyi* LANE, POINAR & FAIRCHILD, 1988

Holotype: Coll. POINAR, OSUC, no. D-7-101.

Stenotabanus woodruffi FAIRCHILD & LANE, 1989

Holotype: USNM, no. 10543.

Family TherevidaeGenus *Ambradolon* METZ & IRWIN, 2000Type species: *Ambradolon grimaldii* METZ & IRWIN, 2000*Ambradolon grimaldii* METZ & IRWIN, 2000

Holotype: Coll. IRWIN, Urbana, Illinois, no. 088366 (to be deposited in the California Academy of Sciences, San Francisco, USA).

Family AcroceridaeGenus *Ogcodes**Ogcodes exotica* GRIMALDI, 1995b

Holotype: AMNH, no. DR-11-8.

Family MythicomyiidaeGenus *Glabellula**Glabellula kuehnei* SCHLÜTER, 1976

Holotype: Institut für Paläontologie, Freie Universität, Berlin, Germany, no. Bom-O-Dom.

Glabellula brunnifrons EVENHUIS, 2002a

Holotype: AMNH, without number.

Glabellula grimaldii EVENHUIS, 2002a

Holotype: AMNH, no. DR-11-18.

Genus *Mythicomyia*

Mythicomyia dominicana EVENHUIS, 2002a
Holotype: AMNH, no. DR-11-9.

Genus *Pieza*

Pieza dominicana EVENHUIS, 2002b
Holotype: AMNH, no. DR-11-1.

Family Scenopinidae

Genus *Metatrichia*

Metatrichia pria YEATES & GRIMALDI, 1993
Holotype: AMNH, no. DR-10-101.

Family Asilidae

Genus *Ommatius*

Ommatius fimbriatus SCARBROUGH & POINAR, 1992
Holotype: Coll. POINAR, OSUC, no. D-7-71.

Ommatius subtus SCARBROUGH & POINAR, 1992
Holotype: Coll. POINAR, OSUC, no. D-7-66.

Family Phoridae

Genus *Abaristophora*

Abaristophora dominicamberae DISNEY & ROSS, 1996
Holotype: BMNH, no. Pal. PI-II-214.

Genus *Dohrniphora*

Dohrniphora poinari DISNEY, 1987
Holotype: Coll. POINAR, OSUC, no. D-7-51.

Genus *Megaselia*

Megaselia amberae DISNEY, 1987
Holotype: Coll. POINAR, OSUC, no. D-7-54.

Megaselia bernsteinae DISNEY, 1987
Holotype: Coll. POINAR, OSUC, no. D-7-52.

Megaselia dominicana DISNEY, 1987

Holotype: Coll. POINAR, OSUC, no. D-7-53.

Genus *Metopina**Metopina* sp. (GRIMALDI 1989)

Material: AMNH, no. DR-11-848.

Genus *Puliciphora**Puliciphora rontaleri* DISNEY & ROSS, 1996

Holotype: BMNH, no. Pal. PI-II-536.

Family Pipunculidae

Genus *Eudorylas**Eudorylas* sp. A (DE MEYER 1995)

Material: AMNH, no. DR-11-21.

Eudorylas sp. B (DE MEYER 1995)

Material: AMNH, no. DR-10-1453.

Family Anthomyiidae

Genus *Coenosopsites**Coenosopsites poinari* MICHELSEN, 1996

Holotype: Coll. POINAR, OSUC, no. D-7-46A.

Family Tephritidae

Genus *Ceratodaucus**Ceratodaucus priscus* NORRBOM & CONDON, 2000

Holotype: Coll. POINAR, OSUC, no. D-7-58C.

Genus *Protortalotrypeta* NORRBOM, 1994

Type species: *Protortalotrypeta grimaldii* NORRBOM, 1994

Protortalotrypeta grimaldii NORRBOM, 1994

Holotype: AMNH, without number.

Family DrosophilidaeGenus *Chymomyza**Chymomyza primaeva* GRIMALDI, 1987

Holotype: Coll. POINAR, OSUC, no. D-7-7H.

Genus *Drosophila*
Subgenus *Drosophila**Drosophila (D.?) poinari* GRIMALDI, 1987

Holotype: Coll. POINAR, OSUC, no. D-7-7B.

Drosophila (D.?) succini GRIMALDI, 1987

Holotype: USNM, no. 8512.

Subgenus *Hirtodrosophila**Drosophila (Hirtodrosophila) paleothoracis* GRIMALDI, 1987

Holotype: AMNH, without number.

Genus *Hyalistata**Hyalistata vitrea* GRIMALDI, 1993

Holotype: AMNH, no. DR-3-24.

Genus *Miomyia**Miomyia io* GRIMALDI, 1987

Holotype: AMNH, without number.

Genus *Protochymomyza**Protochymomyza miocena* GRIMALDI, 1987

Holotype: Coll. POINAR, OSUC, no. D-7-7D.

Genus *Scaptomyza**Scaptomyza dominicana* GRIMALDI, 1987

Holotype: Coll. POINAR, OSUC, no. D-7-7F.

Family SphaeroceridaeGenus *Spelobia**Spelobia palaeobrevipteryx* MARSHALL, LANGSTAFF & GRIMALDI, 1999

Holotype: AMNH, no. DR-10-1441.

Genus *Xenolimosina*

Xenolimosina palaeospinosa MARSHALL, LANGSTAFF & GRIMALDI, 1999
Holotype: AMNH, no. DR-11-2.

Family Anthomyzidae

Genus *Grimalantha* ROHÁČEK, 1998
Type species: *Grimalantha vulnerata* ROHÁČEK, 1998

Grimalantha vulnerata ROHÁČEK, 1998
Holotype: AMNH, no. DR-10-1448.

Family Periscelididae

Genus *Periscelis*

Periscelis amberifera GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-8-207A.

Periscelis brodzinskyi GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-8-207B.

Periscelis facianota GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-11-856.

Genus *Planinasus*

Planinasus electrus GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-8-208.

Genus *Stenomicroa*

Stenomicroa anacrostichalis GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-63.

Stenomicroa sabroskyi GRIMALDI & MATHIS, 1993
Holotype: AMNH, no. DR-6-15D.

Family Carnidae

Genus *Meoneura*

Meoneura vieja GRIMALDI, 1997
Holotype: AMNH, no. DR-14-600.

Family Muscidae

Genus *Archaeopolietes* PONT & CARVALHO, 1997

Type species: *Archaeopolietes tertiaria* PONT & CARVALHO, 1997

Archaeopolietes tertiaria PONT & CARVALHO, 1997

Holotype: AMNH, no. DR-6-88.

Genus *Phaonia*

Phaonia electrica PONT & CARVALHO, 1997

Holotype: AMNH, no. DR-11767.

Phaonia succini PONT & CARVALHO, 1997

Holotype: AMNH, no. DR-SH-35.

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