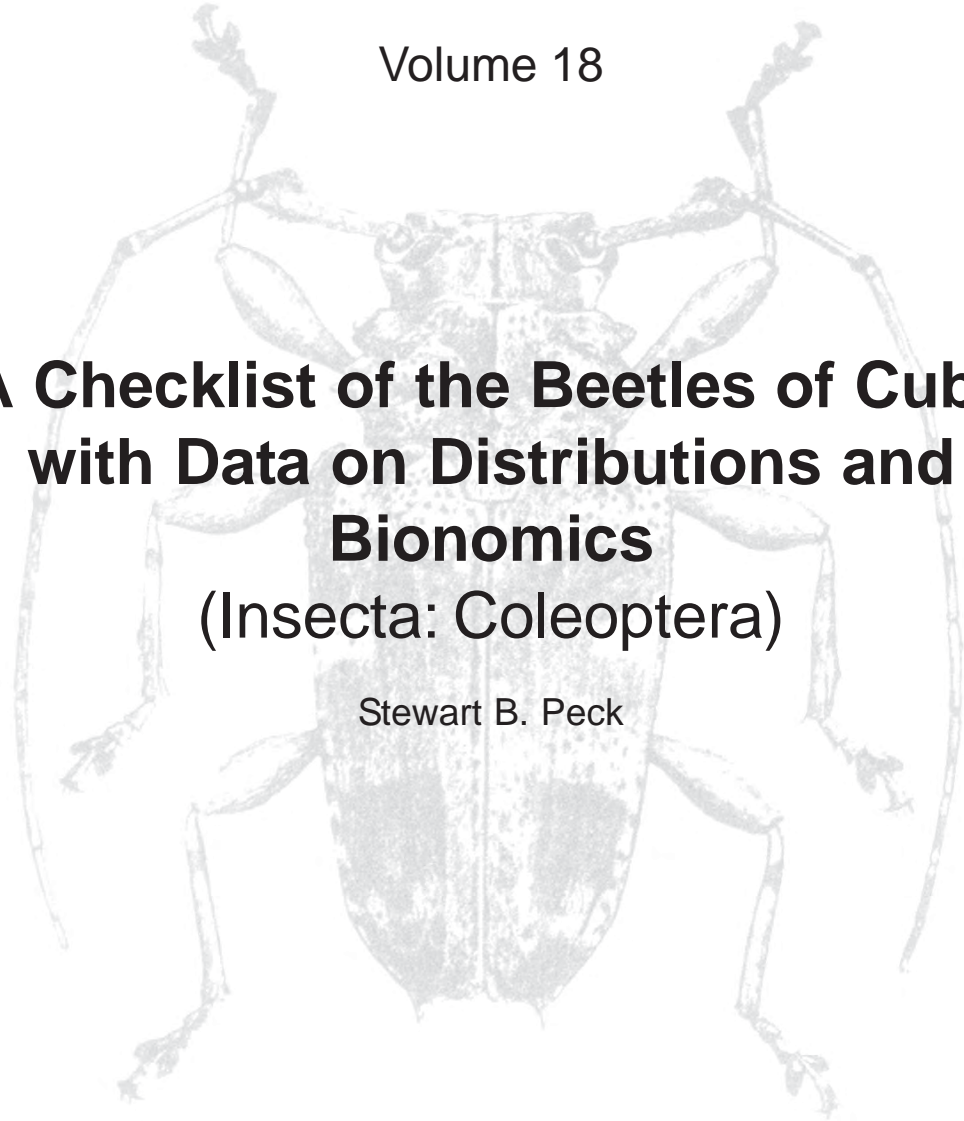


**Arthropods of Florida  
and Neighboring Land Areas**

Volume 18



**A Checklist of the Beetles of Cuba  
with Data on Distributions and  
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Stewart B. Peck

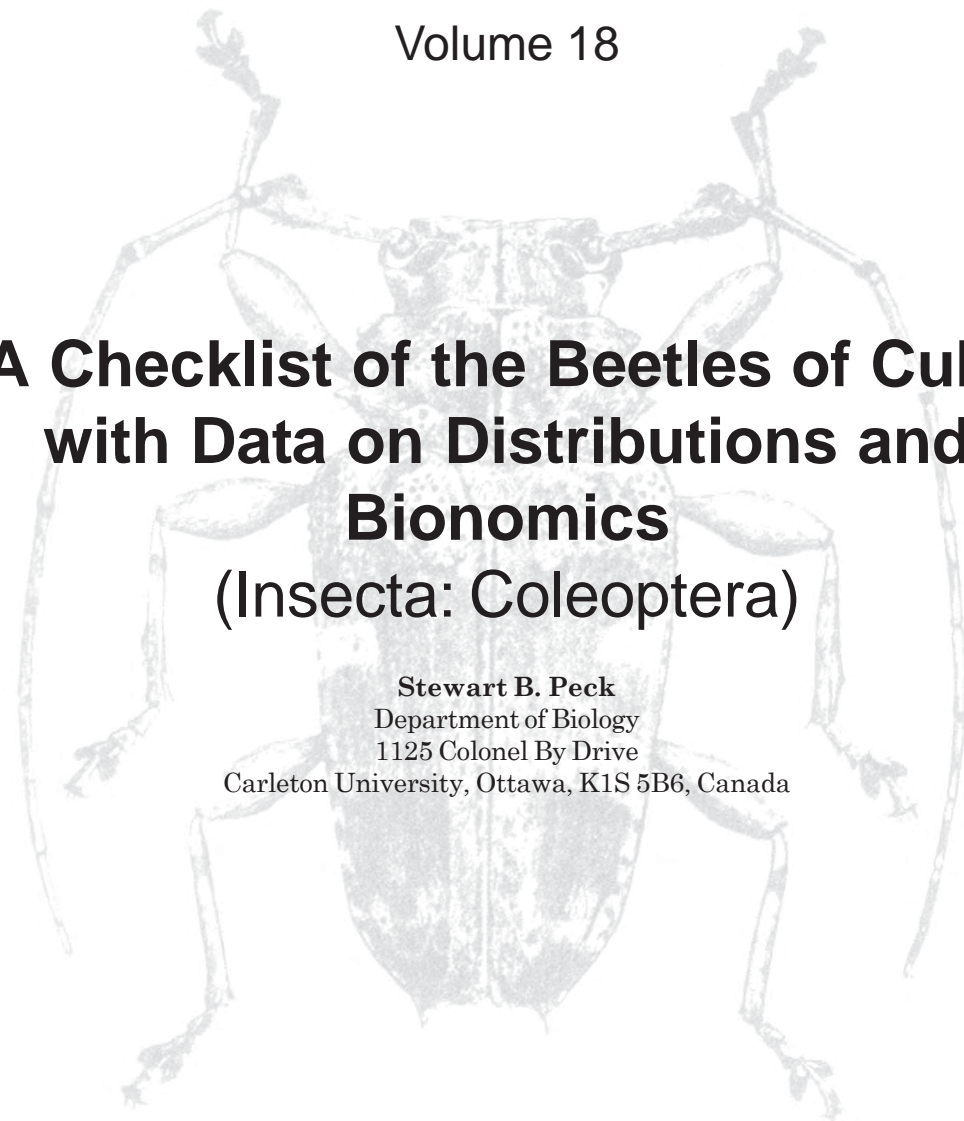
Florida Department of Agriculture and Consumer Services  
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P.O. Box 147100  
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**Stewart B. Peck**  
Department of Biology  
1125 Colonel By Drive  
Carleton University, Ottawa, K1S 5B6, Canada

Florida Department of Agriculture and Consumer Services  
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Richard Gaskalla, Director  
P.O. Box 147100  
Gainesville, FL 32614-7100



Fernando de Zayas (1912-1983), Entomologist, Cuban Academy of Sciences

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Superfamily Buprestoidea	
51. Buprestidae .....	
Superfamily Byrrhoidea	
53. Elmidae .....	
54. Dryopidae .....	
55. Lutrochidae .....	
56. Limnichidae .....	
57. Heteroceridae .....	
58. Psephenidae .....	
60. Ptilodactylidae .....	
61. Chelonariidae .....	

\* Families known to be present in Cuba, numbered following the world list of beetle families in Arnett and Thomas (2000).

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- 67. Eucnemidae .....
- 69. Elateridae .....
- 73. Lycidae .....
- 76. Lampyridae .....
- 78. Cantharidae .....

Series Bostrichiformia

Superfamily Bostrichoidea

- 81. Nosodendridae .....
- 82. Dermestidae .....
- 83. Bostrichidae (+Lyctinae) .....
- 84. Anobiidae (+Ptininae) .....

Series Cucujiformia

Superfamily Lymexyloidea

- 85. Lymexylidae .....

Superfamily Cleroidea

- 87. Trogossitidae .....
- 89. Cleridae .....
- 93. Melyridae (+Malachiinae) .....

Superfamily Cucujoidea

- 95. Sphindidae .....
- 97. Nitidulidae .....
- 98. Smicripidae .....
- 99. Monotomidae (+Rhizophaginae) .....
- 103. Silvanidae .....
- 104. Passandridae .....
- 106. Laemophloeidae .....
- 108. Phalacridae .....
- 111. Cryptophagidae .....
- 113. Languriidae .....
- 114. Erotylidae .....
- 116. Biphyllidae .....
- 117. Bothrideridae .....
- 118. Cerylonidae .....
- 120. Discolomatidae .....
- 121. Endomychidae .....
- 122. Coccinellidae .....
- 123. Corylophidae .....
- 124. Latridiidae .....

Superfamily Tenebrionoidea

- 125. Mycetophagidae .....
- 128. Ciidae .....
- 130. Melandryidae .....
- 131. Mordellidae .....
- 132. Rhipiphoridae .....
- 133. Colydiidae .....
- 134. Monommatidae .....
- 135. Zopheridae .....
- 140. Tenebrionidae (+Alleculinae and Lagriinae) .....
- 143. Oedemeridae .....
- 145. Meloidae .....
- 146. Mycteridae .....
- 151. Salpingidae .....
- 152. Anthicidae .....

- 153. Aderidae .....
- 154. Scaptiidae .....
- Superfamily Chrysomeloidea
- 155. Cerambycidae .....
- 156. Bruchidae .....
- 159. Chrysomelidae .....
- Superfamily Curculionoidea
- 161. Anthribidae .....
- 162. Belidae .....
- 163. Attelabidae .....
- 164. Brentidae .....
- 167. Curculionidae (+ Scolytinae and Platypodinae) .....

ORDER STREPSIPTERA .....

Suborder Stylopodia

- 2. Corioxenidae .....
- 4. Myrmecolacidae .....
- 5. Halictophagidae

## **Abstract**

This summary of the beetle fauna of Cuba lists 87 families, 954 genera, and 2,673 species plus three families, three genera, and three species of strepsipterans. Many families in Cuba are poorly or not at all studied and additional species will be found. The fauna contains 1,495 endemic species - species which are naturally limited to Cuba. There are 1,092 native species - these have natural distributions in adjacent or surrounding land masses (the Bahama Islands, Florida and the southeastern United States, Jamaica, the Cayman Islands, México and Central America, and Hispaniola and other Caribbean islands to the east). There are 86 species which are recognized to have been introduced by human activities and many of these are pests of agriculture, forestry, or stored products. The fauna is disharmonic (unbalanced), as is expected for an oceanic island fauna which has long been isolated by water. Several families that occur on the continental margins of the Caribbean are apparently not present in Cuba. Geological history suggests that Cuba has existed as an island and has been available for insect colonization for the past 35 million years. Species movement to and from Cuba may have been more frequent at times of past low sea levels during Pleistocene glacials, when the neighboring continental margins and Caribbean islands were more exposed and the water gaps between them and Cuba were smaller. Twenty-eight genera contain 10 or more species limited to Cuba and may represent island "species swarms."





Figure 1. Outline map of Cuba, showing present provinces.

## Introduction

A fundamental part of the patrimony or natural heritage of every nation is the diversity of its biological species. Cuba is a tropical island nation which is exceptionally well endowed with a rich array of plant and animal species in both marine and terrestrial environments. However, this island with the richest known biota in the West Indies remains little known by most entomologists, biologists, and conservationists outside of Cuba.

The Republic of Cuba includes more than 1,600 islands and covers an area of 110,922 km<sup>2</sup>. Cuba harbours the greatest species diversity of the West Indies (Woods 1989), with more than 6,000 species of plants, 552 species of terrestrial vertebrates, 778 species of fish, probably more than 15,000 species of insects, and an additional large number of myriapods, terrestrial crustaceans, land snails, and arachnids.

Genaro and Tejuca (1999) provide a count of 8,312 species of insects in the 29 insect orders now known in Cuba, and they provide an introduction to a review of Cuban insects in general. Cuba also has the highest amount of West Indian endemism (species unique to the country); more than 32% of its vertebrates (approximately 90% of the amphibians and 85% of the reptiles), and 50% of its flowering plants naturally occur only on this island. And many of the endemics are limited to only parts of the island. Of the some 6,000 species of flowering plants, 1,575 occur only in eastern Cuba (López Almirall 1998). Vales et al. (1998) estimate that some 30% of Cuba's insects are endemic.

Many groups, such as vascular plants and birds are now well known in Cuba. Less well known are the invertebrate animals, especially the insects. Of course there are exceptions to this. Some insects have received much study and their species and distributions are well known. Two such examples are the butterflies (Alayo and Hernandez 1987) and the plant-feeding aphids (Holman 1974) of Cuba. Reviews of various groups of terrestrial invertebrates are in the newsletter "Cocuyo", published since 1994 by the National Museum of Natural History, Havana, Cuba.

It is estimated that Cuba was about 60% covered by various kinds of forest formations at the time of its discovery by Columbus in 1492. Four hundred years of Spanish colonial occupation did not much change this. In the late 1800's forests still covered an estimated 56% of the island (Smith 1954). With the independence of Cuba from Spain in 1898, and the creation of a preferential tariff for the importation of sugar into the USA, the rate of clearing of native forest cover was greatly accelerated. By 1959 more than 4.4 million ha (hectares) of forests had been destroyed or greatly altered and forested areas had been reduced to only 14% of Cuba's land area. The deforestation process has now been reversed, and natural and plantation forest cover has increased to approximately 18% of the land area. The Food and Agriculture Organization of the United Nations identifies Cuba as now having the lowest annual deforestation rate (0.1%) in Latin America.

The first Cuban national park, Parque Nacional Pico Cristal, was established in 1930, and only five more had been established by 1959. Then, nine additional national parks were established under Public Law 239 in 1959. The first attempt to classify and preserve the country's remaining natural forests was that of Samek (1968). Later, Miller (1974) provided the basis for establishing the present system of protected areas. To insure adequate representation of all natural landscapes, geographers and biologists evaluated their protected status. These efforts resulted in a law establishing a National System of Protected Areas, which now has more than 200 protected areas that cover 12% of the country. However, only 1-2% of the country is strictly protected and some reserves appear to be too small to effectively preserve the biota they contain. It is estimated that Cuba now has about two million ha of forests, of which 1.7 million ha (85%) consist of natural forests and the remainder is forestry plantations. Of these forested lands, national parks cover 5.1%, wildlife conservation areas are 24.3%, watershed protection areas are 17.0%, coastal protection areas are 18.2%, production forests are 32.7%, and other categories are 2.7% (Santana 1991, Cuevas and García 1982).

The purposes of this checklist of Cuban beetles are several. It may be used to help evaluate possible pest status of beetles moving into and out of Cuba through human activities. The advantages of this are evident. Some beetles are pests of agricultural, horticultural, and forest plants; some are pests of stored agricultural products, or are destructive to man-made structures; and some are actual or potential vectors of diseases of livestock, crops, and humans. To unify information on these makes the data more accessible and useful to the benefit of human society. However, most beetles (as is also true for almost all insects) have little or no direct impact on human activities. These species comprise most of the richness of the vibrant natural communities of the island of Cuba.

This list may help to stimulate and encourage additional research activity in summarizing biodiversity information on the beetles of Cuba. All the species of Cuban insects have been shaped and formed by the biological and physical processes of evolution by natural selection. The geographic distributions of the species within and beyond Cuba have been shaped by their genetic adaptations to the ecological conditions of the local environments and physiography, and human changes to the landscape. All of this is a part of the patrimony of Cuba.

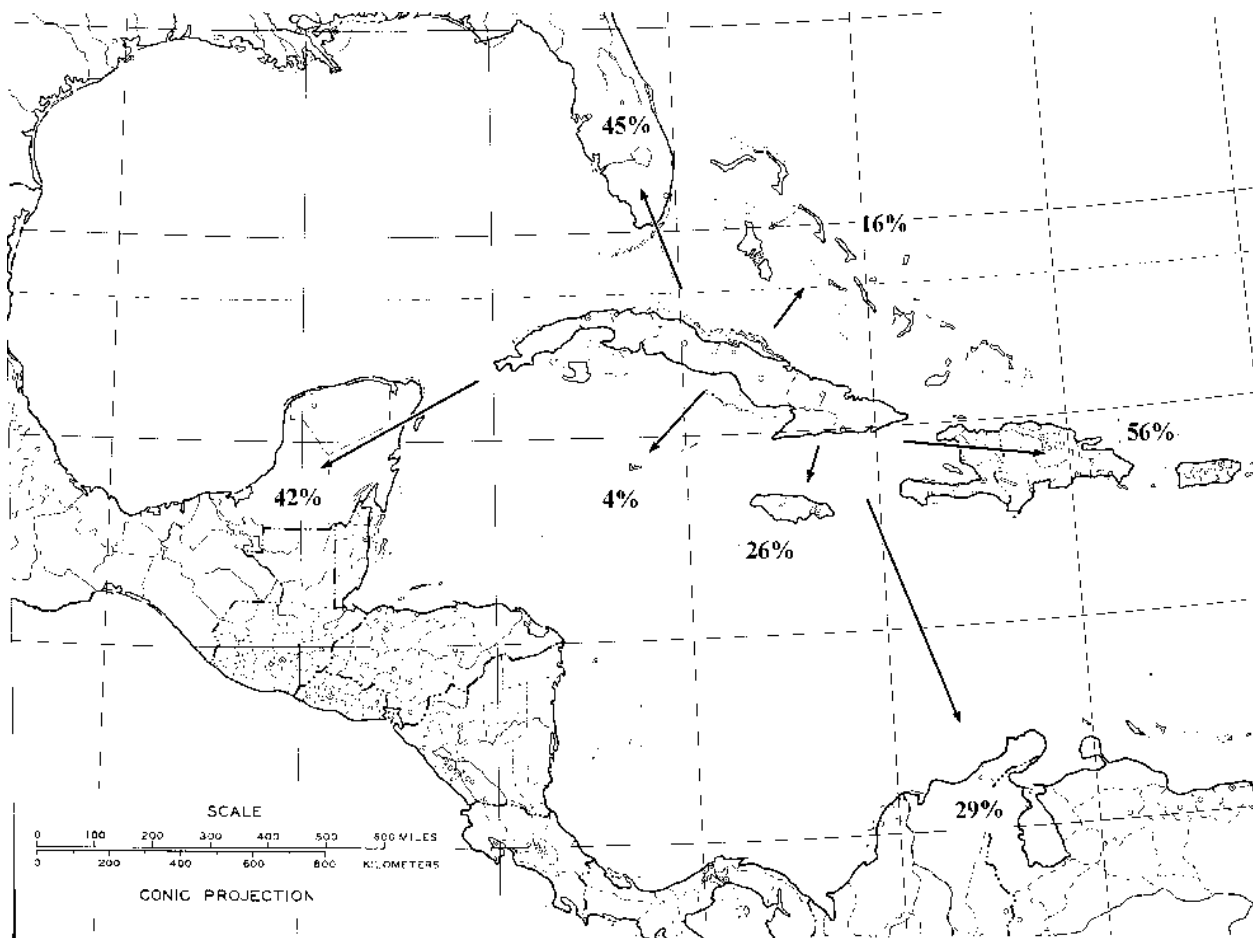
The history of study of insects (and especially of beetles) in Cuba is long and rich. The science of insect taxonomy in Cuba is the most highly developed of any nation in the Caribbean. An understand-

ing of the insect fauna is more advanced for Cuba than for any other island in the Caribbean.

Cuba is the natural biological and cultural crossroads of the Caribbean Basin. An understanding of the dynamics of insect movement into and out of Cuba over evolutionary and historical time is important for applied biology and management purposes. Knowledge of insect pests is important for their control. Knowledge of insects in general is an important part of the cultural heritage of all societies, because all these species are fellow occupants of the biosphere.

### References

- Alayo D., P. and Hernandez, L.R.** 1987. Atlas de las mariposas diurnas de Cuba (Lepidoptera: Rhopalocera). Editorial Científico-Técnica, La Habana, Cuba. 148 pp.
- Cuevas, J.R. and García, F.** 1982. Los recursos naturales y su conservación. Editorial Pueblo y Educación, La Habana, Cuba. 44 pp.
- Genaro, J. A. and Tejuca, A. E.** 1999. Datos cuantitativos, endemismo y estado actual del conocimiento de los insectos cubanos. Cucuyo 8: 24-28.
- Holman, J.** 1974. Los aphidos de Cuba. Instituto Cubano del Libro, La Habana, Cuba.
- López Almirall, A.** 1998. Algunas características del endemismo en la flora de Cuba Oriental. Pp. 47-82. In Halffter, G. (ed.). La diversidad biológica de Iberoamerica. Vol. 2. Acta Zoologica Mexicana, nueva series, volumen especial 1998.
- Miller, K.** 1974. Manejo y desarrollo integral de las áreas naturales y culturales. Centro de Investigaciones y Capacitación Forestal, La Habana, Cuba. 102 pp.
- Samek, V.** 1968. La protección de la naturaleza en Cuba. Serie Transformación de la Naturaleza. Academia de Ciencias de Cuba, La Habana, Cuba. No. 7. 23 pp.
- Santana, C.E.** 1991. Native conservation and sustainable development in Cuba. Conservation Biology 5: 13-16.
- Smith, E. E.** 1954. The forests of Cuba. Maria Moors Cabot Foundation Publ. 2, Cambridge Forest, Petersham, Massachusetts, and the Atkins Garden and Research Laboratory, Cienfuegos, Cuba. 98 pp.
- Vales, M. A., Montes, L. and Alayo, R.** 1998. Estado del conocimiento de la biodiversidad en Cuba. pp. 239-249. In Halffter, G. (ed.). La Biodiversidad biológica de Iberoamerica. Acta Zool. Mexicana.
- Woods, C.A.** 1989. Biogeography of the West Indies: past, present and future. Sandhill Crane Press, Gainesville, Florida.



**Figure 2.** Percentages of the total of 1,092 native Cuban beetle species shared with adjacent lands in and around the Caribbean. These are an indicator of the relative frequency of successful natural “over-water” colonizations to and from Cuba and other land masses. These numbers are subject to change as additional research on the identity and geographic distribution of Caribbean beetles continues. Number of native species shared only with one other geographic area are as follows: Bahamas, 17; Jamaica, 27; Cayman Islands, 1; Hispaniola, 175; Mexico, 46; USA, 120; South America, 15.

## Summary of the history of Cuban beetle studies

Numerous naturalists and entomologists contributed to the historical development of knowledge of the beetles of Cuba. Many of these were European taxonomists who first published the names and scientific descriptions of the species themselves. I here briefly introduce the most important people who actually did the field work and collecting of the specimens. This was the foundation activity in exploring and documenting the beetle fauna of Cuba. Data on the early European or American taxonomists who described the species can be found in sources such as Horn and Kahle (1935).

**Felipe Poey** y Aloy (1799-1891) is considered to be the father of Cuban zoology. The general study of insects and other animals in Cuba started with

the collecting activities of this most famous and influential Cuban naturalist. He published during the period from 1831 to 1868. His best known work is “Memorias sobre la Historia Natural de la Isla de Cuba” in two volumes (1851-1861) (Norman 1938). In this he treated some entomological taxa, especially butterflies and beetles. Chapter 25 in his “Memorias” (1851) is about beetles, listing what was known at that time but containing no new information.

Poey provided many of the specimens of beetle species described by Jacquelin du Val (1856-1857) in Sagra’s (1856-1857) “History of the Island of Cuba.” He is still honored in the name of the biological journal “Poeyana,” published by the Instituto

de Ecologia y Systematica of the Academia de Ciencias de Cuba. He exchanged an historically important collection of identified beetles and moths with the Academy of Natural Sciences of Philadelphia. The beetles are now incorporated into the general beetle collections in Philadelphia. The moths were exchanged with the Carnegie Museum of Pittsburgh. More data on Sagra and Poey and other naturalists mentioned below can be found in Alvarez (1958), Chardon (1949), and Papavero (1971: 179-185).

**Juan (Johannes) Gundlach** (1810-1896) contributed greatly to the foundations of a tradition of Cuban natural history studies (Reyes et al. 2002). He published from 1866 to 1894. He can be considered as the father of Cuban entomology. He was born in Marburg, Germany and attained a Ph.D. degree in Marburg in 1838. He was then invited to Cuba by Mr. Charles Booth of Fundador de Canimar on the Canimar River in Matanzas Province where he worked as a professional collector. In 1841 Booth and Gundlach left Canimar and moved to the estate "San Juan" near the town of Cárdenas, near the city of Matanzas. In 1846 he established a museum to hold his collections on the farm "El Refugio" near Cárdenas. From this he radiated throughout Cuba on many collecting trips. In 1864 he moved his museum to the Fermina sugar estate of the Cárdenas family. He continued to collect throughout the island until the "Ten Years Revolution" (starting in 1868), when it became too dangerous to do field work. In 1876 his collection was purchased by the Academy of Natural Sciences in Havana. In 1873, 1875 and 1881 he made prolonged field trips to Puerto Rico. He then formed a second Cuban collection, which was deeded to the Museum of Havana in 1892. More details of his life and bibliography are given by Ramsden (1915).

His major publication about beetles is volume 3 (404 pages) of his "Contribucion a la Entomologia Cubana" (Gundlach 1891). This summarizes the beetle fauna then known, and his 46 years of observations upon it. Apparently pages 259-344 were actually published in 1894 and are cited in some publications with this date. Unfortunately, this volume has many typographical errors, especially in the Latin names: these are attributable to Gundlach's failing eyesight and inability to correct proofs of the volume.

Gundlach was an exceedingly generous person. Many of the species first collected by him were described by others, especially in an important series of papers by Chevrolat (1838-1870) and Chevrolat and Fauvel (1863). The present Gundlach collec-

tion in Havana does not contain any designated type specimens of beetles, but is mostly composed of specimens compared to "types", or specimens which represent part of the series from which the "types" came. The specimens in the Gundlach collection bear no labels except for numbers which are coded to their identity as published in volume 3 of his "Contribucion." Ragués (1914) presented a catalogue of the collection, consisting of species names and their Gundlach code numbers.

The Gundlach insect collection is now housed in glass-topped drawers in large wooden cases in a dehumidified room in the Institute of Ecology and Systematics (IES) of the Cuban Academy of Sciences, located on Carretera de Varona km 3½, Capdevila, Boyeros, La Havana, Cuba. This is about 10 km SW of the old center of Havana. The Gundlach collection is kept separate from the Institute's general (non-historical) beetle collection. The entire insect collection of the Institute has a total of about 67,550 insect specimens (Reyes and Hernandez 1995). The many "syntypes" or "cotypes" of Cuban species described by Chevrolat and many other European taxonomists are scattered in many European museums. Their possible location can often be deduced by consulting Horn and Kahle (1935-1937). I have not tried to verify the existence or location of this early type material.

**E.A. Schwarz** (1844-1928) was perhaps the next most important beetle collector to work in Cuba. He was employed by the U.S. Department of Agriculture to investigate the status of the cotton boll weevil (*Anthonomus*) in Cuba in 1902, and from February 1903 to June 1904. He was stationed mostly at the plantation of La Magdalena, better known as "Cayamas", about 10 km WNW of Yaguaramas (N 22° 14'; W 80° 48'), about 40 km NW of Cienfuegos (Schwarz 1905). Schwarz did much general beetle collecting in the vicinity and Cayamas is the type locality for more Cuban beetle species than any other site. Type specimens of all or most of these should be in the U.S. National Museum of Natural History in Washington, D.C. A series of letters by Schwarz (1905, 1929) describes his Cuban localities and the often extremely unpleasant and taxing field conditions he experienced or endured. Howard et al. (1928) give a biography and bibliography of Schwarz. Holland and Schwarz (1917) give a list of beetles known from the collections of G.A. Link on the Isle of Pines (now Isla de la Juventud). The specimens are in the Carnegie Museum (Pittsburgh).

**Carlos (Charles) Ramsden** de la Torre (1876-1950) was a rancher and versatile amateur natu-



ralist. He became the colleague and then son-in-law of the influential naturalist Professor Carlos de la Torre of Santiago de Cuba (who knew Juan Gundlach well). Ramsden made an extensive natural history collection in eastern Cuba, especially around Guantánamo Bay, and this is now housed in the Museo Carlos Ramsden of the Universidad de Oriente in Santiago de Cuba, which was established in 1953. The museum houses a large insect collection, including 20 drawers (about 3000 specimens) of beetles. It is maintained as an historically important collection, and other more recent material is kept separate. Ramsden was a prolific correspondent with and host to visiting American naturalists. He provided beetles to many specialists in the United States, mostly collected around Guantánamo, especially at the family farm "Estancia San Carlos." Many of his specimens are in the American Museum of Natural History, New York City.

**Alexander Bierig** (1884?-1963) was born in Karlsruhe, Germany. As a student and young man he studied graphic arts in Germany and Paris. In the difficult economic times following WW I, Bierig moved to Havana in 1919, where he found good employment as a graphic artist. He taught drawing and natural science at the German School in Havana, as well as his own private art school. His previous insect interests became well developed at this time, and he published 27 papers on Neotropical staphylinid beetles by 1940. He collected mostly in western Cuba around Havana and in Pinar del Rio Province. He described more than 150 new beetle species, many of them from Cuba, and almost all were very attractively and accurately illustrated. In 1939 he moved to San José, Costa Rica, and became a professor of entomology at the University of Costa Rica. There he mostly specialized in the biology and control of insects injurious to tropical crops until 1954, when he stopped entomological work. After his death his collection, library, and collection of paintings suffered some damage and loss. His large and important collection of Staphylinidae and Pselaphidae from Cuba and other countries was moved in 1966 to the Field Museum of Natural History in Chicago. Co-types of at least some of his Cuban species were exchanged with R. E. Blackwelder at the U.S. National Museum, Washington. Additional data are in Genaro and Gutiérrez (1999).

**Philip J. Darlington, Jr.** (1904-1983) of the Museum of Comparative Zoology (MCZ), Harvard University, made four collecting trips to Cuba (in 1926, 1929, 1934, 1936), especially for carabid

beetles. He also collected many other beetles and other insects in the mountains of central Cuba around Cienfuegos and Trinidad, and in eastern Cuba (then called Oriente Province). He may have been the first foreign insect collector to work the summit areas of Pico Turquino, the highest point in Cuba, in the Sierra Maestra. The collections are in the Museum of Comparative Zoology and his field notes are preserved in the files of the Department of Entomology of the Museum of Comparative Zoology. He wrote several papers describing Cuban species, and the most important are Darlington (1934 and 1937). Ball (1985) is a source of information about the work and contributions of Darlington.

The center of activity of Darlington's Cuban trips was the Atkins Botanical Garden of Harvard University, at Soledad in the Arimao River Valley, 18 km E of Cienfuegos, at about N 22° 5', W 80° 18'. It was established as a biological laboratory in 1924 (Darlington 1938). Soledad is the type locality for many beetle species. Barbour (1945) gives descriptions of conditions when the Garden was operated as a field station. Many young American biologists first experienced tropical biology in the Soledad area from the 1930's to the 1950's. Of its 101 ha area, about 7 ha of the Garden are still preserved as a natural example of tropical lowland semi-deciduous forest. The site was still operated as a botanical garden and tourist attraction until it was extensively damaged by a hurricane in the mid-1990's.

**Stephen Cole Bruner** (1891-1953) was an American entomologist who became director of research at the Agronomic Experimental Station (EEA) at Santiago de las Vegas, some 12 km SW of the center of old Havana. This was once the main center for Cuban applied insect research. After the closure of the Experimental Station the collections were transferred to the Institute of Ecology and Systematics of the Cuban Academy of Sciences. Bruner, Scaramuzza and Otero (1975) provided a summary catalog of the insects which attack plants of economic importance in Cuba. This has been updated with a list by Vázquez et. al (1992).

**Fernando de Zayas** (1912-1983) is the last of the important founders of the study of beetles in Cuba. He worked as an entomologist for the Cuban Academy of Sciences, and traveled and collected widely throughout Cuba. He also published extensively on many orders of insects, and his major work is the 8 volume series "Entomofauna Cubana" (seemingly only volumes 3, 6, 7, 8 are published). Among his many works are a major revision of the Cerambycidae of Cuba (Zayas 1975) and descrip-

tions of about 200 new beetle species (Zayas 1988). These last descriptions were extracted from the very large manuscript for volume 4, on Cuban beetles, completed in 1965, for the Entomofauna Cubana series. Regrettably, this still remains unpublished. His very large collection is still at his old family home in Havana (Ivie 1991).

### Other Workers and Collections

In addition to the collectors and collections mentioned above there are others of lesser importance in the study of Cuban beetles. Additional information on past and present locations and conditions of insect and other zoological collections is in Aguayo (1950), Alvarez (1958), Chardon (1949), Hernández (1972) and Silva (1994). Working reference collections are in various applied research institutes such as The Forestry Institute in Havana.

The **Manuel Barro** collection contains about 2,500 insects of which 85% are chrysomelid beetles. It is held as an historical collection in the National Museum of Natural History, La Havana.

The Romanian and Cuban Academies of Sciences sponsored a joint series of expeditions to investigate the cave, litter, soil, groundwater and other invertebrate faunas of Cuba. The expeditions were from 9 March to 18 June, 1969; 3 November to 12 December, 1970; and 3 February to 4 June, 1973. The results were published in a series of four volumes by the Romanian Academy of Sciences (Orghidan et al. 1973, 1977, 1981, 1983), and volumes 1 and 2 provide lists and descriptions of the collecting sites. Several papers are on cave and non-cave collections of beetles. The cave beetles have been summarized by Peck et al. (1998). While many species of cave specialized arthropods occur in Cuba, no known cave-specialized species of beetles occur there. The beetle specimens from these expeditions are scattered in the collections of the authors of the papers describing the species or may be in Romania, at the "Emile Racovitza" Institute of Speleology in Bucharest. Not all collections from these expeditions have been studied and remain in Bucharest.

### References

- Aguayo, C.G.** 1950. Bosquejo historico de la zoología de Cuba. Boletín de Historia de la Sociedad "Felipe Poey" 1: 3-31.
- Alvarez C., J.** 1958. Historia de la Zoología en Cuba. Havana. 369 pp.
- Ball, G. E.** 1985. The contributions of Philip J. Darlington, Jr. to the study of carabid beetles in the Americas, and a bibliography of his publications, Pp. 17-30. *In*: G. E. Ball, (ed). Taxonomy, phylogeny and zoogeography of beetles and ants: A volume dedicated to the memory of Philip Jackson Darlington, Jr. (1904-1983). Series Entomologica, vol. 33. Dr W. Junk Publ., Dordrecht, The Netherlands.
- Barbour, T.** 1945. A Naturalist in Cuba. Little, Brown and Co., Boston.
- Bruner, S. C., Scaramuzza, L. C., and Otero, A. R.** 1975. Catalogo de los insectos que atacan a las plantas economicas de Cuba. Second edition, revised and augmented. Instituto de Zoología, Academia de Ciencias de Cuba, La Havana.
- Chardon, C.E.** 1949. Los naturalistas en la América Latina. Ciudad Trujillo (Santo Domingo), República Dominicana. 386 pp.
- Chevrolat, L.A.A.** 1838. Insectes coléoptères inédits, découverts par M. Lanier dans l'intérieur de l'île de Cuba. Rev. Zool., 1838: 279-286.
- Chevrolat, L.A.A.** 1858. Descriptions de coléoptères de la partie méridionale de l'île de Cuba. Rev. Mag. Zool., ser. 2, 10: 209-212.
- Chevrolat, L.A.A.** 1862. Coléoptères de l'île de Cuba. Notes, synonymies et descriptions d'espèces nouvelles. Familles des cérambycides et des parandrides. Ann. Soc. Ent. France, ser. 4, 2: 245-280.
- Chevrolat, L.A.A.** 1863. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Familles des cicindélètes, carabiques, dytiscides, gyridés et palpicornes. Ann. Soc. Ent. France, ser. 4, 3: 183-210.
- Chevrolat, L.A.A.** 1864a. [? 1865]. Description d'un nouveau genre et diverses espèces d'insectes coléoptères de l'île de Cuba. Rev. Mag. Zool., ser. 2, 16: 179-182
- Chevrolat, L.A.A.** 1864b. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Quatrième mémoire. Famille des histériens, phalacridés, nitidulaires, trogositaires, colydiens, rhyzodides, cucujipés, mycétophagides, dermestins, byrrhiens et chélonarides. Ann. Soc. Ent. France, ser. 4, 3: 589-620. [March 23, 1864]
- Chevrolat, L.A.A.** 1864c. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Cinquième mémoire. Famille des parnides, hétérocérides, passalides et lamellicornes (Tribus des coprides, aphodiides, hybosorides, géotrupides et

**Table 1.** Abbreviations used here for the presently recognized provinces of Cuba.

<b>Ca</b>	Provincia de Camagüey
<b>CA</b>	Provincia de Ciego de Ávila
<b>Ci</b>	Provincia de Cienfuegos
<b>Gr</b>	Provincia de Granma
<b>Gu</b>	Provincia de Guantánamo
<b>Ha</b>	Provincia de La Habana (including Provincia de Ciudad de la Habana)
<b>Ho</b>	Provincia de Holguín
<b>IJ</b>	Provincia de Isla de la Juventud (= Isla de Pinos, or Isle of Pines)
<b>LT</b>	Provincia de Las Tunas
<b>M</b>	Provincia de Matanzas
<b>Or</b>	Unknown locality in old "Oriente" province
<b>PR</b>	Provincia de Pinar del Rio
<b>SC</b>	Provincia de Santiago de Cuba
<b>SS</b>	Provincia de Sancti Spíritus
<b>VC</b>	Provincia de Villa Clara

trogides). *Ann. Soc. Ent. France*, ser. 4, 4: 405-418.

- Chevrolat, L.A.A.** 1865. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Sixième mémoire. Famille des lamellicornes (tribus des mélolonthides, rutélides, dynastides et cétonides, avec les indications des tribus, soustribus et groupes du genera de Lacordaire). *Ann. Soc. Ent. France*, ser. 4, 5: 21-36.
- Chevrolat, L.A.A.** 1867. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Septième mémoire. Famille des buprestides, throscides, eucnémides et élaterides. *Ann. Soc. Ent. France*, ser. 4, 7: 571-616.
- Chevrolat, L.A.A.** 1870. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Huitième mémoire. Famille des dasyllides et malacodermes. *Ann. Soc. Ent. France*, ser. 4, 10: 67-78.
- Chevrolat, L.A.A. and Fauvel, A.** 1863. Coléoptères de l'île de Cuba. (Suite) Notes, synonymies et descriptions d'espèces nouvelles. Troisième mémoire. Famille des staphyliniens. *Ann. Soc. Ent. France*, ser. 4, 3: 427-446.
- Darlington, P.J., Jr.** 1934. New West Indian Carabidae, with a list of the Cuban species. *Psyche* 41: 66-131.
- Darlington, P.J., Jr.** 1937. West Indian Carabidae III: new species and records from Cuba, with a brief discussion of the mountain fauna. *Mem. Soc. Cubana Hist. Natur. 'Felipe Poey'* 11: 115-136.
- Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. *Trans. R. Ent. Soc. London* 87: 681-695.
- Genaro, J. A. and Gutiérrez, E.** 1999. Alexander Bierig: biografía, su colección entomológica y publicaciones. *Cocuyo* 9: 27-29.
- Gundlach, J.** 1881-1891. Contribución a la Entomología Cubana. *Anales Acad. Cien. Med. Fis. Nat. (La Havana)*. [This runs through several years as supplements to the Anales]. Also published in book form in three vols., as follows: Vol. I, 1881, Lepidoptera; Vol. II, 1886, Hymenoptera, Neuroptera and Orthoptera; Vol. III, (in 5 parts) 1891, 404 pp., Coleoptera. (microfilm copy in MCZ Library, Harvard, University box 2, no. 78-3504)
- Hernández, O.J.** 1972. La zoología en Cuba (desde 1868 a 1968). *Academia de Ciencias de Cuba, Serie Biologica* 44: 1-77.
- Holland, W.J. and Schwarz, E.A.** 1917. List of the Coleoptera collected on the Isle of Pines by Gustav A. Link, Sr., 1912-1913. *Ann. Carnegie Mus. (Pittsburgh)* 11: 333-345.
- Horn, W. and I, Kahle.** 1935-1937. Über entomologische Sammlungen, Entomologen und Entomo-Museologie (ein Beitrag zur Geschichte der Entomologie). *Entomologische Beihefte, Band 2* (1935), 3 (1936), 4 (1937). Berlin-Dahlem, Berlin.
- Howard, L.O., Barber, H S., and Busck, A.** 1928. Dr. E. A. Schwarz. *Proc. Ent. Soc. Washington* 30: 152-183.
- Ivie, M.A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, *Entomofauna Cubana*. *Orden Coleoptera. Coleop. Bull.* 45: 399-401.
- Jacquelin du Val, P.N.C.** 1856-1857. *Insectes. Ordre des coléoptères, Lin. In: Sagra, Ramon de la (ed.). 1856-1857. Histoire physique, politique et naturelle de l'île de Cuba. vol. 7. Animaux articles, insectes, Coleoptera. pp. 1-136 published in 1856; pp. 137-328 published in 1857. Paris (French edition, in Special Collections, MCZ Library, Harvard University; Spanish edition published in Madrid, 20 September, 1857, pp. 1-136, in a larger page size and with a different pagination from the French edition).*
- Norman, J.R.** 1938. Notes on the dates, etc. of the 'Memorias', 'Repertorio', 'Synopsis', and

**Table 2. A summary list of important classical collecting sites** which are not easily found on most presently available maps. These are placed into present provinces with the use of the Atlas de Cuba (1978).

- Aguadores.** SC; a Darlington coastal locality east of the mouth of the bay at Santiago de Cuba.
- Almendraes.** Ha; a riverside locality of Bierig in Havana.
- Baragua.** CV; 20 km southeast of city of Ciego de Avila.
- Boniato.** SC; town north of Santiago de Cuba; contains Rio Frio and the Boniato Mountains to the north.
- Buenos Aires.** Probably SS; an unlocated Darlington and Zayas collecting site in the Trinidad Mts., about 800 m elev., maybe near Topes de Collantes.
- Caimito.** Ha; a village in Sierra de Anafe, also called Caimito del Guayabal. A Bierig and Zayas locality.
- Canimar.** M; a Gundlach locality on the Canimar river.
- Cárdenas.** M; the most important Gundlach locality.
- Cauto el Cristo.** Gr; on the Cauto River; a Darlington locality.
- Cayamas.** Ci; 40 km NW of Cienfuegos; the most important Schwarz locality; N 22° 15'; W 80° 48'.
- Central Baraguá.** see Baraguá.
- Central Fermina.** see Fermina.
- Central Jaronú.** CA; now the town of Jaronú.
- Ciénaga de Zapata.** M; a large partly flooded swampy region, with saw-grass, pinelands, and hardwood-hammock forest, similar to the region of the Everglades of southern Florida.
- Daiquiri.** SC; a playa (beach) below Gran Piedra; upstream is Vinent, another Darlington locality.
- Fermina.** M; a sugar mill (central) 10 km E of Jovellanos, south of Cardenas, a Gundlach locality.
- Gran Piedra.** SC; a mountain National Park, east of Santiago de Cuba, approached through the town of Caney.
- Hanabanilla Falls.** VC; up Hanabanilla. River, N slope Trinidad Mts.; a dam and lake are now at the site.
- Loma del Gato (= Cobre Peak).** SC; in Sierra del Cobre (3690' = 1097 m), the first mountain range west of Santiago de Cuba; Loma de San Juan is at the other end of the range.
- Mina Carlota.** Probably SS. an unlocated Zayas collecting site in the Trinidad Mountains.
- Península de Zapata;** see Ciénaga de Zapata.
- Pico Turquino.** SC; the highest peak in Cuba, in the Sierra Maestra. Ascents are from the south so collections were made in Santiago de Cuba Province, rather than Granma Province on the north slope.
- Rangel (Sierra de Rangel).** PR; a village in the Sierra del Rosario, NW of San Cristobal; an important Bierig locality and a Darlington locality; with a nearby peak at 655 m.
- San Blas.** Ci; on the west slope of the Trinidad Mts, northwest of Trinidad City; also a Zayas locality and village in Matanzas Province at the SE edge of the Ciénaga Zapata.
- Santa Clara.** VC; an important Zayas locality.
- Sierra del Cobre.** SC; See Loma del Gato above. sn important Zayas locality.
- Sierra Cristal.** Ho; a national park, and an important Zayas locality.
- Soledad.** Ci; the Atkins (or Harvard) Botanical Garden which is now a tourist locality; in Arimao River valley; Darlington locality; east of Cienfuegos. At about N 22° 5', W 80° 18'.
- Topes de Collantes.** SS; a Zayas locality at about 800 m elevation in the Trinidad Mountains.
- Trinidad.** usually referring to the mountains north and west of the City of Trinidad. The mountains are also called the Sierra Escambray, and are in Cienfuegos, Santa Clara and Sancti Spiritus Provinces. Most collecting sites were probably in Sancti Spiritus Province.
- Zapata Peninsula;** see Ciénaga de Zapata.

'Enumeratio' of Filipe Poey. J. Soc. Bibliog. Nat. Hist. 1: 135-137.

**Orghidan, T., Núñez Jiménez, A, Botosaneanu, L., Decou, V., Negrea, St., and Viña Bayes, N.** 1973-1981. Résultats des expéditions biospéologiques Cubano-Roumaines à Cuba. Editura Academiei Republicii Socialiste România, Bucuresti. Vol. 1, 1973; vol. 2, 1977; vol. 3, 1981.

**Papavero, N.** 1971. Essays on the history of Neotropical Dipterology. Vol. 1. Museu de Zoologia, Universidade de São Paulo, Brazil.

**Peck, S.B., Ruiz-Baliú, A.E., and Garcés González, G.F.** 1998. The cave-inhabiting beetles of Cuba (Insecta: Coleoptera): diversity, distribution, and ecology. J. Cave Karst Studies 60: 156-166.



- Poey, F.** 1851-1855. Ch. 25. *Conspectus familiarum Coleopterorum, aspecto de los familias de los insectos Coleopteros. Memorias sobre la historia natural de la Isla de Cuba. La Havana, vol. 1;* pp. 302-337 (seen). Reprinted 1975, Antiquariaat Junk, Lochem, Netherlands.
- Ragués, P. V.** 1914. *Catalogo general, Museo Cubana "Gundlach," Zoología. Instituto de Segunda Enseñanza de la Havana. Inprenta "Cuba Intellectual," La Havana.*
- Ramsden, C.T.** 1915. *Juan Gundlach. Ent. News* 26: 241-260.
- Reyes, E. and Hernández, L.M.** 1995. *Tipos de insecta depositados en la colección del Instituto de Ecología y Sistemática. Cocuyo* 3: 2-3.
- Reyes, E.E., M. Hidalgo-Gato, A.D. Alvarez.** 2002. *Juan Gundlach y su colección entomológica. Cocuyo* 12: 20-21.
- Sagra, Ramon de la.** 1856-1857. *Histoire physique, politique et naturelle de l'île de Cuba. Paris.*
- Schwarz, E.A.** 1905. *A letter from Cuba. Proc. Ent. Soc. Washington* 5: 286-289.
- Schwarz, E.A.** 1929. "Letters from Cuba". *J. New York Ent. Soc.* 37: 326-359.
- Silva Taboada, G.** 1994. *Zoological collections and collecting in Cuba during the Twentieth Century. Curata* 37: 90-98.
- Vázquez, L.L., Valdés, E., and Amor, J.C.** 1992. *New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri* 49: 41-52.
- Zayas, F. de.** 1975. *Revision de la familia Cerambycidae (Coleoptera, Phytophagoidea). Instituto de Zoología, Academia de Ciencias, La Havana, Cuba. 443 pp.*
- Zayas, F. de.** 1988. *Entomofauna Cubana. Orden Coleoptera. Separata. Descripción de nuevas especies. Editorial Científica-Technica. La Havana. 212 pp.*

## Construction of a checklist of Cuban beetles

This checklist is a summary of present knowledge of the diversity, habits, and distributions of the Cuban beetle fauna. It is designed to be a companion volume to the distributional checklist of the beetles of Florida (Peck and Thomas 1998). Much work remains to be done to completely establish the identity, validity, and accuracy of presently used names of Cuban beetles. Additionally, much more field and laboratory study is required to document the unreported or undescribed species, and their distributions and bionomics in Cuba.

### Methods and Materials

The body of this book is a species checklist, with summarized information on the distribution and bionomics of the beetles of Cuba. The list was constructed from two kinds of primary sources. The first was modern taxonomic revisions or summaries of the beetle fauna of Cuba or the West Indies, or adjacent land masses. These are mentioned where appropriate for each family unit, and are cited in full at the end of each family unit. If no modern literature is known to me, a preliminary list was constructed from Blackwelder's (1944, 1957) monumental checklist of the Beetles of Latin America and the update of this by Arnett (1983). Blackwelder's checklist was partly formed by building upon the earlier lists by Leng and Mutchler

(1914, 1917). Bruner (1951) contributed Cuban records missed by Blackwelder.

The beetle species described by the Cuban entomologist Fernando de Zayas (1988) are included here, as well as the suggested synonymies of Ivie (1991). Other general works on beetles of Cuba or the West Indies are few. An exception are the chapters on aquatic beetle families by Spangler (1982). Although these are a valuable entry to the literature, they contain little direct or new information about Cuban beetles. The Zoological Record has been searched from 1950-2003. I have also searched Biological Abstracts on CD-ROM (from 1989-1995), Cambridge Scientific Abstracts (1994 to 2000), AGRICOLA (from 1969 to 2000), and Entomology Abstracts (vol. 1 to 31, 2000). The primary key words in the searches were "Cuba" and "Coleoptera."

After I prepared preliminary lists, I then sought specialists in Cuba or elsewhere who could check their speciality families for accuracy and completeness. The contribution of each specialist is acknowledged for each family or section they reviewed.

When possible, data have been added from collections in Cuba, and some in North America such as the Field Museum (Chicago), and the Museum of Comparative Zoology (Harvard University). The list is intended to be as complete as I have been able to make it with the time and resources available. It is constructed so that it can serve the needs

of a multiplicity of users; from agronomists, to ecologists, land-use managers, taxonomists, quarantine entomologists, ecologists and biogeographers. Users can insert their own new data as they come upon it.

### Organization

The core of the work is a list of valid species names, synonyms, and the more recent references about these species in the scientific literature. The following explains the selection and organization of the included data.

**Higher classification.** The checklist generally follows the sequence and phylogenetic arrangement of the world list of beetle families, subfamilies, and tribes of Lawrence and Newton (1995 and at <http://www.coleopsoc.org/>). Arnett and Thomas (2000), and Arnett *et al.* (2002). Data on distribution and habits of beetles outside of Cuba are generally from Lawrence (1982). The families are numbered so that finding them in sequence is easier. Numbering from the world list is used because several families not now known from Cuba may be expected to be found in the future.

**Included species.** The list contains all species of beetles which are known or reported to occur in Cuba. If the known distribution of a species suggests that it very probably occurs in Cuba, but there are seemingly no records for it, its name and references are enclosed in parentheses ( ). Some lists or catalogues only vaguely give distributions as “West Indies” or “Antilles.” If the total distribution suggests that this includes Cuba I have conservatively included the species. The function of such additions is to alert future workers to species which are named but not yet explicitly recorded from Cuba. Such citations could undoubtedly be far more numerous than those I have included. If the species has been recorded in the past from Cuba, but the application of the name is now known to be an error, the name and references are enclosed in brackets [ ]. I ask that users of the catalogue bring errors of omission or inclusion to my attention.

**Citations.** The author, year of publication, and page of publication are given (when known) for each valid species. These data will help to locate the original references. When a species was originally placed in a different genus than now, I give this original genus name when it is known to me.

**Synonomies.** I list synonym names below the valid name of the species. I do not give complete lists of synonyms for the species in this checklist. My intention is to give synonomies only for names which have been applied to Cuban records.

**Catalogs.** I do not cite catalogs or lists of names if no new taxonomic, distributional, or bionomic information is given in them. I do not give citations to the older primary literature which is included in Blackwelder (1944, 1957; reprinted in 1982). The literature cited in Blackwelder is from 1944 and earlier. To include all these older references here would greatly increase the length of this listing.

**References.** It is my intention to give references for “younger” literature only; i.e., that published since Blackwelder (1944, 1957) which has contributed data on Cuban species. I have also tried to include references to recent faunal summaries or revisions which may not contain direct information on Cuban species but which may contain keys, descriptions, or illustrations or other information on species in Cuba or which may be expected in Cuba. Primary older literature not cited in Blackwelder can be found in appropriate issues of “Zoological Record” or in the several catalogues cited. The relevant family chapters in Arnett and Thomas (2000) and Arnett *et al.* (2002) are valuable references for all beetle families in Cuba, and are usually not cited for each family.

**Types.** Type status and depository are given (if known). Older species usually do not have designated types. Co-types or syntypes from which lectotypes may be designated may be in collections in Havana (the Gundlach collection), or in Paris (Chevrolat and Jaquelin du Val), or elsewhere (see table 3). Jacquelin du Val published new species names from specimens in both the Chevrolat and Guérin-Méneville collections, so those will probably have appropriate type material. Horn and Kahle (1935-1937) may be of help in locating historically important collections and specimens.

**Type localities.** I list published type localities (t.l.) only for endemic species. In many older works, no type localities were specified. In these cases “Cuba” can be seen to serve as a type area. If this is the case, I usually do not cite “Cuba.”

**Distributions.** Distributions of the species are presented in two ways.

(A). They are first summarized as Cuba and then as a list of the known major islands or countries outside of Cuba from where the species is known. Distribution within the USA is by abbreviations of states at the edges of the range in the USA. “*Endemic*” is used as a term to indicate that the species is naturally limited to Cuba. “*Intro-*

**Table 3.** Locations, available codens, addresses, and annotations for major collections known to have identified Cuban beetles. Codens for collections follow usage of Arnett et al. (1997).

- Amsterdam. **ZMAN**. Instituut voor Taxonomische Zoologie, Zoologisch Museum, Universiteit van Amsterdam, Plantage Middenlaan 64, 1018 DH, Amsterdam, The Netherlands.
- Aylmer. **CMNC**. Entomology Collections, Canadian Museum of Nature, Aylmer, Quebec, (P.O. Box 3443, Station D, Ottawa ON K1P 6P4), Canada.
- Basel. **NHMB**. Entomology Department, Naturhistorisches Museum, Augustinergasse 2, 4001, Basel, Switzerland. Especially containing the large collection of G. Frey and W. Wittmer.
- Berkeley. **EMEC**. Essig Museum of Entomology, Department of Integrative Biology, University of California, Berkeley, California, 94720. USA.
- Berlin. **ZMHB**. Museum für Naturkunde der Humboldt Universität zu Berlin, Bereich Zoologisches Museum, Invalidenstrasse 43, 1040, Berlin, Germany.
- Bozeman. **MTEC**. Montana State University Entomology Collection, Entomology Research Laboratory, Department of Biology, Montana State University, Bozeman, Montana, 59715, USA. Containing the important collection of West Indian insects of M. A. Ivie.
- Bruner. S.C. Bruner collection, from the Santiago de las Vegas Agriculture experiment station (EEA), supposedly now in Havana at the Institute of Ecology and Systematics (IES).
- Brno. **MMBC**. Department of Entomology, Moravské Museum, Preslova ul. 659 37, Brno, Czech Republic.
- Brussels. **ISNB**. Institut Royal des Sciences Naturelles de Belgique, 29 rue Vautier, B1040, Brussels, Belgium.
- Bucarest. Institute of Speologie “Emile Racovitza”, Str. Mikail Moxa 9, Bucarest 12, Romania. This may contain material from the Cuban-Roumanian cave biology expeditions.
- Cambridge. **MCZC**. Entomology Department, Museum of Comparative Zoology, Harvard University, 22 Oxford St., Cambridge, Massachusetts, 02138, USA. A collection strong in Cuban material from field work of P. J. Darlington, Jr, and others.
- Champaign. **INHS**. Illinois Natural History Survey Insect Collection, 607 E. Peabody Dr., Champaign, Illinois 61820, USA. With Cuba material collected by M. W. Sanderson.
- Chicago. **FMNH**. Insect Collection, Division of Insects, Field Museum of Natural History, Roosevelt Road and Lake Shore Drive, Chicago, Illinois, 60605, USA. Containing the important Bierig collection of Staphylinodea.
- Columbus. **OSUC**. Ohio State University Collection of Insects and Spiders, 1735 Neil Avenue, Columbus, Ohio, 43210, USA.
- Eberswalde. **DEIC**. Deutsche Entomologische Institut, Eberswalde Finow 1, 1300, Germany.
- Franz. H. Franz collection, Mödling, Austria. Now placed in the Vienna Museum, Austria.
- Geneva. **MHNG**. Department des Insectes, Museum d’Histoire Naturelle, CP 434, CH-1211, Geneva 6, Switzerland.
- Gundlach. J. Gundlach collection. Now a part of the collections of the Institute of Ecology and Systematics (IES) in Havana. The Gundlach code number relates the specimen to the name and locality as published in volume 3 of this “Contribucion a la Entomologia Cubana.”
- Garrido. Orlando Garrido, Havana, Cuba. A private collection specializing in Tenebrionidae.
- Gainesville. **FSCA**. Florida State Collection of Arthropods, Division of Plant Industry, 1911 34<sup>th</sup> St. SW, PO Box 147100, Gainesville, Florida, 32614, USA. The Strohecker collection of Endomychidae and other large collections from throughout the Caribbean are here. This institution also houses the important and large private collection of New World scarabs and other families of beetles of R. E. Woodruff
- Havana. **IZAC**. Collections of the Institute of Ecology and Systematics (IES) of the Academia de Ciencias de Cuba, at Carretera de Varona km 3 ½, Capdevila, Boyeros, La Habana, Cuba; containing the historically important Gundlach collection, and the former collection of the Instituto de Zoologia de la Academia de Ciencias de Cuba (IZAC), Havana. It may also contain some or all of (1) the former collections of the Estacion Experimental de Agronomia (EEA), once located at Santiago de las Vegas, near Havana, (2) the reference collections of the Cuban Sugar Club (CSC), (3) of the Department of Speleology, Academy of Sciences, with some of the specimens from the Cuban-Roumanian cave-biology expeditions, and (4) the tenebrionid collection of O. Garrido. Part or all of these collections may move to the National Museum of Natural History, located in downtown Old Havana (Habana Vieja).
- Halle. **MLUH**. Wissenschaftsbereich Zoologie, Sektion Biowissenschaften Martin-Luther Universität Halle, WB Zoologie, Domplatz 4, 4020 Halle (Salle), Germany. Possibly contains Cuban species in the large and important collections of Burmeister, Germar, and especially that of Suffrian.
- Helsinki. **MZHF**. Zoological Museum, Finnish Museum of Natural History, Universitets Helsinki, P. Rautienkatu 13, SF-00100, Helsinki 10, Finland .
- Howden. **HAHC**. Henry and Anne Howden Collection, Ottawa, Ontario, Canada. Placed in the Entomology Division, Canadian Museum of Nature, Aylmer, Quebec, (PO Box 3443, Station D, Ottawa, ON K1P 6P4), Canada.

**Table 3.** Continued.

- Lafayette. **PURC.** Entomology Research Collection, Department of Entomology, Perdue University, West Lafayette, Indiana, 47907, USA. Of special importance because of the W.A. Blatchley collection.
- Leiden. **RMNH.** Nationaal Natuurhistorische Museum, Raamsteeg 2, Leiden, 2311 P, The Netherlands.
- London. **BMNH.** Department of Entomology, The Natural History Museum (formerly the British Museum (Natural History)), London, SW7 5BD, United Kingdom.
- Medvedev. E.L. Medvedev collection (Chrysomelidae), Moscow, Russia.
- Miami. University of Miami, Miami, Florida, USA. Possibly contains parts of the Stroecker collection not at Gainesville.
- Munich. **ZSMC.** Zoologische Staatssammlungen, Munchhausenstrasse 21, D-8000 München 60, Bayern, Germany.
- New York. **AMNH.** Department of Entomology Collection, American Museum of Natural History, Central Park West at 79<sup>th</sup> St., New York City, NY, 10024, USA.
- O'Brien. **CWOB.** Charles W. O'Brien collection, of Tallahassee, FL; to be deposited in the collections of the California Academy of Sciences, San Francisco. See San Francisco below.
- Ottawa. **CNCI.** Canadian National Collection of Insects, ECORC, Biological Research Division, Central Experimental Farm, Agriculture Canada, Ottawa, Ontario, K1A 0C6, Canada.
- Paris. **MNHN.** National Collection of Insects, Museum National d'Histoire Naturelle, 45 rue Buffon, Paris 75005, France. Probably contains Cuban specimens in the important collections of Chevrolat and Jacquelin Du Val, and possibly others.
- Philadelphia. **ASNP.** Department of Entomology, Academy of Natural Sciences, 19<sup>th</sup> and the Parkway, Philadelphia, PA, 19103, USA. Poey exchange collection containing possible Chevrolat co-types
- Pittsburgh. **CMHN.** Section of Insects and Spiders, Carnegie Museum of Natural History, 900 Forbes Ave., Pittsburgh, Pennsylvania, 15213, USA.
- Prague. **NMPC.** Department of Entomology, National Museum (Natural History), 148 00 Praha 4, Kunratice 1, Czech Republic.
- Ramsden. Charles Ramsden collection, Museo de Carlos Ramsden de la Torre, Universidad de Oriente, Santiago de Cuba, Cuba.
- Ratcliffe. **BCRC.** Brett C. Ratcliffe collection, Systematic Research Collections, W436 Nebraska Hall, University of Nebraska, Lincoln, Nebraska, 68588-0514, USA
- Sacramento. **CDAE.** California State Collection of Arthropods, Analysis and Identification Unit, California Department of Food and Agriculture, 1220 N St., Rm. 340, Sacramento, California, 95814, USA.
- San Francisco. **CASC.** Department of Entomology, California Academy of Sciences, Golden Gate Park, San Francisco, California, 94118, USA.
- Sao Paulo. **MZSP.** Museu de Zoologia da Universidade de São Paulo, Biblioteca 7172, 01.051 São Paulo, SP, Brazil.
- Thérond. J. Thérond collection, Nimes, France. Histeridae.
- Verona. **MSNV.** Museo Civico di Storia Naturale, Lungadige Porta Vittoria 9, Verona, I-37129, Italy.
- Washington. **USNM.** United States National Entomological Collection, Department of Entomology, U.S. National Museum of Natural History, (formerly the United States National Museum), Washington, DC 20560, USA. Holding the important collections of E. A. Schwarz made around Cayamas, Cuba, and the many types resulting from this.
- Warsaw. **ZMPA.** Museum of the Institute of Zoology, Polish Academy of Science, Wilcza 64, 00-679, Warsaw, Poland.
- Zayas. Fernando de Zayas collection, La Habana, Cuba. A private collection, not presently available for study.

*duced*" is used as a term if the species occurs in Cuba because it was probably brought there through either accidental or intentional human activity. Many more species are probably introduced than are indicated here. I have indicated a species as introduced only when a publication has explicitly stated this. I have checked that the taxon and distribution data used here agree with that in the summary list of the beetles of Florida (Peck and Thomas 1998). Where distributional details are lacking, I may indicate this with a question mark.

Sometimes, only the imprecise words "Antilles, Caribbean or West Indies" have been given in earlier literature.

(B). Secondly, data are given on species distributions within Cuba. If a species is common and known from about 10 or more published localities, I usually indicate this with the term "widespread" and give no additional data. Province abbreviations only are given in some cases. Some catalogues (e.g., Blackwelder 1957, Arnett 1983, O'Brien and Wibmer 1982) or taxonomic papers indicate a spe-



cies presence in Cuba without listing specific localities or collections with voucher specimens. In such cases I cannot give these details.

Table 1 is a list of abbreviations for the presently recognized Provinces of Cuba. The First Congress of the Communist Party of Cuba in December 1975 increased the number of provinces from the former number of six to the present fourteen (figure 1). The six pre-1975 provinces were Pinar del Rio, Havana, Matanzas, Las Villas, Camagüey, and Oriente. For example, many older published records are from the former Province of Oriente, an area which is now composed of the provinces of Santiago de Cuba, Granma, Guantánamo, and Holguín. Thus, older literature or insect labels may use old province names which may not correspond to the present provinces. I have attempted to place the old locality records into the present provinces. When I have not been able to place a locality from the former Oriente Province into its present province I have left it as "Or."

**Localities.** Within a province, Cuban usage also can place localities within a municipality, which roughly corresponds to a county as used in the United States. I list localities within a province from larger (municipalities) down to smaller (town) geographic units, and separate them with a comma. Separate localities within a province are separated by a semicolon. Generally more than 10 localities are simply summarized as "widespread."

A frequently used Cuban word that can confuse non-Cubans is "Central." Labels may abbreviate this as "Cent." The term does not mean "in the middle of." Rather, in Cuba, a "Central" is a sugar mill or sugar refinery which was used as a place name for a collecting locality. Many of these are indicated on the most recent Atlas of Cuba (1978), but some names have been changed and the sites are no longer identifiable. Table 2 is a list of relatively obscure but important localities which may not be easily located by users outside of Cuba. Even if no precise localities are known to me, I insert the heading "Cuba localities" and leave a blank space so that notes or records can be added by users. Published localities which I have been unable to locate are indicated with "?"

**Bionomics.** After information on the distribution of a species within Cuba, I present notes on habitat, hosts, field biology, pest status, and references to the natural history or ecology and other important data when known. I use the term bionomics to be roughly equivalent to a summary of the natural history of the species. Full citation for

references on these topics is given at the end of each family. Data on insects of agricultural importance or status as a pest in other ways in Cuba are often drawn from Bruner et al. (1975), which is usually not specifically cited. Additions to this list are in Vázquez et al. (1992). I have cited host plant names as reported, either as common name or genus and/or species. Family names for genera and genera for English common names may be found in a botanical reference such as Heywood (1978) or Willis (1980).

**Collections.** Locations of voucher specimens documenting the distribution records are usually indicated by the name of the city or collection which contains the material (not by the now common practice of an abbreviation or coden). Table 3 is a list of these cities or collections as published or known to us or reviewing specialists which hold identified Cuban material. While there is a growing trend to use codens for identifying insect collections, I find these to be often confusing, not easily memorized, and not "user-friendly," especially to non-taxonomists and insect workers outside of Canada and the USA. I think my use of cities or collections to be more readily and immediately recognizable. Even if no repositories of specimens are known to me I insert the heading and leave space in which notes can be added by users.

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### References

- Arnett, R.H., Jr.** 1983. Checklist of the beetles of North and Central America and the West Indies. Florida and Fauna Publs., Gainesville, Fla. Vols. 1-10, 2173 pp., actually published in parts between 1977 and 1984.

- Arnett, R. H., Jr., Samuelson, G.A., and Nishida, G.M.** 1997. The insect and spider collections of the world. 2<sup>nd</sup> ed. Flora and Fauna Handbook no. 11. CRC Press, Boca Raton, FL. 310 pp.
- Arnett, R. H., Jr. and Thomas, M. C.** 2000. American Beetles: Archostemata, Myxophaga, Adephaga, Polyphaga: Staphyliniformia. Vol. 1. CRC Press, Boca Raton, FL. 443 pp.
- Arnett, R. H., Jr., Thomas, M. C., Skelley, P. E., and Frank, J. H.** 2002. American beetles, Polyphaga: Scarabaeoidea through Curculionidea. Vol. 2. CRC Press, Boca Raton, FL. 861 pp.
- Atlas de Cuba.** 1978. Instituto de Geodesia y Cartografia, La Havana, 143 pp.
- Blackwelder, R.E.** 1944. Checklist of the coleopterous insects of México, Central America, the West Indies, and South America. U.S. Natl. Mus. Bull. 185(1-5) I-XII, 1-925. Reprinted in 1982.
- Blackwelder, R.E.** 1957. Checklist of the coleopterous insects of México, Central America, the West Indies, and South America. U.S. Natl. Mus. Bull. 185(6): I-IV + 927-1492. Reprinted 1982.
- Bruner, S.C.** 1951. Algunas adiciones a la lista de Coleopteros de Cuba. Mem. Soc. Cubana Hist. Natur. 20: 81-88.
- Bruner, S.C., Scaramuzza, L.C., and Otero, A.R.** 1975. Catalogo de los insectos que atacan a las plantas economicas de Cuba. Second edition, revised and augmented. Instituto de Zoologia, Academia de Ciencias de Cuba, La Havana.
- Heywood, V.H. (ed.).** 1978. Flowering plants of the world. Mayflower Books, New York.
- Horn, W. and Kahle, I.** 1935-1937. Über entomologische Sammlungen, Entomologen und Entomo-Museologie (ein Beitrag zur Geschichte der Entomologie). Entomologische Beihefte, Band 2 (1935), 3 (1936), 4 (1937). Berlon-Dahlem, Berlin.
- Ivie, M.A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, Entomofauna Cubana. Orden Coleoptera. Coleop. Bull. 45: 399-401.
- Lawrence, J.F.** 1982. Coleoptera. pp. 482-533. In: S. Parker (ed.). Synopsis and Classification of Living Organisms, vol. 2. McGraw Hill, N.Y.
- Lawrence, J.F. and Newton, A.F.** 1995. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family group names), pp. 779-1006. In J. Pakaluk and S.A. Slipinski (eds.). Biology, phylogeny, and classification of Coleoptera: papers celebrating the 80th birthday of Roy A. Crowson.
- Leng, C.W., and Mutchler, A.J.** 1914. A preliminary list of the Coleoptera of the West Indies as recorded to January 1, 1914. Bull. American Mus. Nat. Hist. 33: 391-493.
- Leng, C.W. and Mutchler, A.J.** 1917. Supplement to preliminary list of the Coleoptera of the West Indies. Bull. American Mus. Nat. Hist. 37: 191-220.
- O'Brien, C.W., and Wibmer, G.J.** 1982. Annotated checklist of the weevils (Curculionidae *sensu lato*) of North America, Central America, and the West Indies (Coleoptera: Curculionidae). Mem. Amer. Ent. Inst. 34. 382 pp.
- Peck, S.B. and Thomas, M.C.** 1998. A distributional checklist of the beetles (Coleoptera) of Florida. Arthropods of Florida and neighboring land areas, vol. 16. 180pp.
- Spangler, P.J.** 1982. Coleoptera, pp. 328-397. In: Hurlbert, S.H., and Villalobos-Figueroa, A. (eds.). Aquatic biota of Mexico, Central America and the West Indies. San Diego State University, San Diego, CA.
- Vázquez, L.L., Valdés, E. and Amor, J.C.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.
- Willis, J.C.** 1980. A dictionary of the flowering plants and ferns. Eighth ed. (1973), revised by H.K. Airy Shaw. Cambridge University Press, New York.
- Zayas, F. de.** 1988. Entomofauna Cubana. Orden Coleoptera. Separata. Descripción de nuevas especies. Editorial Científica-Technica. La Havana. 212 pp.

**Table 4. Families, genera, and species numbers of beetles known to occur or probably occurring in Cuba.** The total number of genera and species known for the family in Cuba is given: followed by the number which are endemic (limited to Cuba), native (naturally occurring in Cuba and other countries), and introduced (whose presence in Cuba is because of accidental or intentional transport by human activities). Predicted species not yet documented for Cuba but are expected because of their distribution. Erroneous species are species names recorded in the past for Cuba but now known to be in error. Predicted and erroneous species are not included in the species totals. It is of interest to note the number of families known in Cuba from only one or a few genera and one or a few species. This is an indicator of the disharmonic nature of the island's fauna.

ORDER COLEOPTERA	Total Genera	Total Species	End. Species	Native Species	Intro Species	Predict. Species	Erroneous Species
Suborder Archostemata							
4. Micromalthidae	1	1	0	1	0	0	0
Suborder Adephaga							
9. Rhysodidae	2	5	5	0	0	0	0
10. Carabidae	69	186	73	111	2	0	4
11. Gyrinidae	3	6	2	4	0	0	0
12. Haliplidae	2	7	5	2	0	0	0
14. Noteridae	6	10	1	9	0	0	0
17. Dytiscidae	18	47	9	38	0	1	2
Suborder Polyphaga							
Staphyliniformia							
Hydrophiloidea							
18. Hydrophilidae	16	46	7	39	0	1	0
21. Histeridae	16	38	10	28	0	1	1
Staphylinoidea							
22. Hydraenidae	3	4	2	2	0	0	1
23. Ptiliidae	1	1	1	0	0	0	0
25. Leiodidae	5	6	6	0	0	0	0
26. Scydmaenidae	3	12	12	0	0	0	0
28. Staphylinidae	114	282	109	162	11	14	2
Scarabaeiformia							
Scarabaeoidea							
31. Passalidae	1	2	1	1	0	0	6
33. Trogidae	2	3	1	2	0	0	0
35. Geotrupidae	1	2	1	1	0	0	0
37. Ochodaeidae	1	1	0	1	0	0	0
38. Hybosoridae	2	2	0	1	1	0	0
39. Ceratocanthidae	1	4	4	0	0	0	0
41. Scarabaeidae	26	156	117	32	7	0	0
Elateriformia							
Scirtoidea							
47. Scirtidae	3	9	9	0	0	0	0
Buprestoidea							
51. Buprestidae	25	57	36	17	4	1	2
Byrrhoidea							
53. Elmidae	4	5	2	3	0	0	0
54. Dryopidae	1	1	0	1	0	0	0
55. Lutrochidae	1	1	0	1	0	0	0
56. Limmichidae	4	4	1	3	0	0	0
57. Heteroceridae	4	5	2	3	0	0	0
58. Psephenidae	1	1	1	0	0	0	0
60. Ptilodactylidae	1	7	7	0	0	0	0
61. Chelonariidae	1	6	5	1	0	0	0
Elateroidea							
67. Eucnemidae	8	16	10	6	0	0	0
69. Elateridae	25	68	34	34	0	2	1

Table 4. Continued.

ORDER COLEOPTERA	Total Genera	Total Species	End. Species	Native Species	Intro Species	Predict. Species	Erroneous Species
73. Lycidae	6	11	9	2	0	0	0
76. Lampyridae	8	37	29	8	0	0	0
78. Cantharidae	12	19	19	0	0	0	0
Bostrichiformia							
Bostrichoidea							
81. Nosodendridae	1	1	1	0	0	0	0
82. Dermestidae	5	8	1	7	0	7	0
83. Bostrichidae	13	18	0	14	4	3	0
84. Anobiidae	17	23	12	10	1	3	0
Cucujiformia							
Lymexyloidea							
85. Lymexylidae	1	1	0	1	0	0	0
Cleroidea							
87. Trogossitidae	5	10	3	6	1	6	0
89. Cleridae	11	20	17	0	3	2	1
93. Melyridae	5	8	7	1	0	0	0
Cucujoidea							
95. Sphindidae	2	2	2	0	0	0	0
97. Nitidulidae	15	32	1	28	3	3	0
98. Smicripidae	1	1	0	1	0	0	0
99. Monotomidae	2	4	3	1	0	0	0
103. Silvanidae	6	12	3	7	2	6	0
104. Passandridae	2	2	0	2	0	1	0
106. Laemophloeidae	6	7	2	5	0	3	0
108. Phalacridae	7	10	7	3	0	0	0
111. Cryptophagidae	1	1	0	1	0	0	0
113. Languriidae	3	4	1	3	0	0	0
114. Erotylidae	2	6	5	1	0	0	1
116. Biphyllidae	1	1	1	0	0	0	0
117. Bothrideridae	3	4	0	4	0	0	0
118. Cerylonidae	5	6	2	4	0	0	0
120. Discolomatidae	1	2	2	0	0	0	0
121. Endomychidae	1	1	0	1	0	0	0
122. Coccinellidae	31	43	19	22	2	0	1
123. Corylophidae	2	4	3	1	0	0	0
124. Latridiidae	5	6	3	3	0	1	0
Tenebrionoidea							
125. Mycetophagidae	3	3	0	3	0	1	0
128. Ciidae	4	20	7	13	0	1	0
130. Melandryidae	1	1	1	0	0	0	0
131. Mordellidae	3	10	8	2	0	0	0
132. Rhipiphoridae	2	5	0	4	1	1	0
133. Colydiidae	13	17	3	14	0	1	0
134. Monommatidae	2	2	0	2	0	0	0
135. Zopheridae	2	3	1	2	0	0	0
140. Tenebrionidae	48	174	104	63	7	4	0
143. Oedemeridae	5	8	3	5	0	2	0
145. Meloidae	4	7	3	4	0	0	0
146. Mycteridae	3	5	3	2	0	0	0
151. Salpingidae	1	1	0	1	0	0	0
152. Anthicidae	8	20	4	13	3	2	1
153. Aderidae	2	2	0	2	0	0	0
154. Scaptiidae	2	2	2	0	0	0	0



Table 4. Continued.

ORDER COLEOPTERA	Total Genera	Total Species	End. Species	Native Species	Intro Species	Predict. Species	Erroneous Species
Chrysomeloidea							
155. Cerambycidae	42	230	144	80	6	9	9
156. Bruchidae	13	36	8	24	4	0	0
159. Chrysomelidae	85	374	306	68	0	9	6
Curculionoidea							
161. Anthribidae	12	29	23	5	1	2	0
162. Belidae	1	1	1	0	0	0	0
163. Attelabidae	4	13	6	7	0	0	0
164. Brentidae	9	20	14	5	1	1	0
167. Curculionidae	134	385	232	131	22	12	0
Totals	954	2673	1495	1092	86	98	38
ORDER STREPSIPTERA							
Corioxenidae	1	1	0	1	0	1	0
Myrmecolacidae	1	1	0	1	0	0	0
Halictophagidae	1	1	0	1	0	0	0
Totals	3	1	0	3	0	1	0

## Summary and origins of the beetle fauna of Cuba

### Summary of diversity

The Cuban beetle fauna is now known to contain 87 families, 954 genera, and 2,673 species (Table 4). This diversity can be compared with the known beetle fauna of other areas, such as the United States with 131 families; Canada with 129 families, 3526 genera, and 25,160 species; Mexico with 114 families; Brazil with 104 families, 4,351 genera, and 26,755 species; and Australia with 113 families (Costa 2000, Marske and Ivie 2003, Navarrete-Heredia and Fierros-López 2001). It is clear that additional families, genera, and species remain to be discovered in Cuba. There are some evident patterns in the Cuban beetle fauna, as discussed below.

### An unbalanced fauna

The family, subfamily, tribal and generic composition of the Cuban beetle fauna is dissimilar in many ways from that found in the neighboring continental lands of the southern United States, Mexico, and Central America. The most conspicuous feature is that many taxonomic groups are absent. This comparative difference is called a dis-

harmonic or unbalanced fauna. It is a result of the long oceanic isolation of Cuba as an island. If there had been free and obstructed movement of faunas between all these regions and Cuba it would be expected that the higher-level taxonomic makeup of the beetles of Cuba would be similar to that of the neighboring continental lands.

The actual dissimilarity is strong evidence that Cuba has not had a direct land connection to these neighboring areas and, as a corollary, that Cuba has been long isolated from these lands by a significant oceanic barrier to beetle dispersal and colonization. Islands which have always been so isolated are called oceanic islands. Table 5 is a list of beetle families which are known in continental warm-temperate Nearctic and tropical Neotropical lands adjacent to Cuba and which might either be eventually discovered in Cuba, or whose absence helps to show the unbalanced nature of the Cuban fauna.

### Generic and specific endemism and species swarms

**Table 5. Beetle families with warm-temperate and tropical distributions in the Neotropical and Nearctic biogeographic realms and which are seemingly “absent” from Cuba, and the likelihood that they will be found to occur in Cuba.** The families predicted to be present show the incomplete family level knowledge of the Cuban beetle fauna, and the Neotropical families which are absent help to show the history of isolation of the island.

Archostemata	
1. Cupedidae	in USA, Brazil and Argentina; a relict group, really absent
2. Ommatidae	in Brazil and Argentina; a relict group, really absent
Myxophaga	
5. Lepiceridae	México to S. America; probably absent
6. Microsporidae	North and Central America; probably absent
7. Hydroscaphidae	México to Brazil; probably absent
8. Torridinicolidae	se Brazil; probably absent
Polyphaga	
Staphyloidea	
24. Agyrtidae	North America; a relict group, probably absent
27. Silphidae	N. to S. America, in Hispaniola; really absent
Hydrophiloidea	
20. Syntellidae	México; probably absent
Scarabaeoidea	
30 Lucanidae	widespread Neotropical; probably absent
Scirtoidea	
45. Eucinetidae	Neotropical; probably present
46. Clambidae	Neotropical; probably present
Dascilloidea	
48. Dascillidae	arid Neotropical; really absent
49. Rhipiceridae	Neotropical; really absent
Byrrhoidea	
52. Byrridae	mostly temperate; really absent
55. Lutrochidae	USA to Brazil; really absent
63. Callirhipidae	Neotropical; really absent
Elateroidea	
64. Armatopidae	Neotropical; maybe present
65. Brachypsectridae	Known from Tertiary amber in Hispaniola; possibly present
66. Cerophytidae	Neotropical; really absent
74. Telegeusidae	sw USA to nw South America; probably absent
75. Phengodidae	Neotropical, <i>Acladocera</i> in Hispaniola; probably present
Bostrichoidea	
79. Jacobsoniidae	Neotropical; probably present
81. Nosodendridae	Neotropical; poorly studied, really absent
Tenebrionoidea	
126. Archeocrypticidae	Neotropical; possibly present
149. Pythidae	<i>Ischyomius</i> is Neotropical; possibly present
150. Pyrochroidae	questionable Neotropical, mostly temperate; probably absent
Curculionoidea	
153. Nemonychidae	temperate Neotropical; relict group, probably absent

If oceanic islands have been in isolation long enough, some ancient colonists have had opportunity to evolve into genera which are endemic (limited) to the island. Table 6 is a list of the 18 genera presently thought to be Cuban endemics. However, most beetle genera in Cuba also occur elsewhere. Most of these genera arrived at some time in the

past, and if the colonization was sufficiently long ago, one or more colonizing species of each genus developed species level differences of its own, producing one or more species endemic to Cuba.

Additionally, some genera, possibly ones which colonized the island relatively early in its history, have developed a great many species, often as an

**Table 6. A. Beetle genera thought to be endemic to Cuba.** There are some 190 beetle endemic genera in the entire West Indies.

Cerambycidae	<i>Calliclytus</i> Fisher 1932 <i>Cubaecola</i> Lameere 1912 <i>Cupeyalia</i> Zayas 1975 <i>Enodes</i> Fisher 1926 <i>Fisherostylus</i> Gilmour 1963. <i>Lethes</i> Zayas 1975 <i>Maisi</i> Zayas 1988 <i>Pygmaeptostylus</i> Gilmour 1963 <i>Trinoplion</i> Zayas 1975
Coccinellidae	<i>Geodimmockius</i> Chapin 1930 <i>Neotina</i> Gordon 1977
Curculionidae	<i>Doleropus</i> Buchanan 1947 <i>Nesolordops</i> Marshall 1934 <i>Pseudocaecocossonus</i> Osella 1977
Heteroceridae	<i>Filiolus</i> Pacheco 1964
Tenebrionidae	<i>Garridoa</i> Marcuzzi 1985: 180 <i>Orgidania</i> Ardoin 1977 <i>Trimytantron</i> Ardoin 1977 (= <i>Bielawskia</i> Marcuzzi 1985)

**B. Beetle genera previously thought to be endemic to Cuba,** and which are now known to occur elsewhere.

Curculionidae	<i>Decouanellus</i> Osella 1977: 399, now known in Bahamas, Puerto Rico, Virgin Islands.
Scarabaeidae	<i>Planophileurus</i> Chapin 1932, now known in Bahamas.
Staphylinidae	<i>Cubanotyphlus</i> Coiffait and Decou 1972, now known in Florida.

adaptive and evolutionary response to ecological opportunity and the presence of “unfilled” niches. These assemblages can be called “species swarms,” and they are excellent groups for further study, to either verify their taxonomic status or to gain insights into the origin and action of speciation processes and the morphology and ecology of adaptive radiation. Table 7 lists the 28 genera which are presently recognized as having 10 or more Cuban species apiece.

### A mixing of Neotropical and Nearctic faunas

Cuba shares with Mexico the property of being an important mixing zone of Nearctic and Neotropical beetle faunas at the level of genera and higher taxa. Some Nearctic genera and tribes are at their southern distributional limits in the Caribbean in Cuba. Likewise, some Neotropical genera and tribes are at their northern distributional limits in the Caribbean in Cuba. Both these patterns suggest older (Tertiary) north and south faunal movements,

probably between the southeastern USA and Cuba, and between Mexico and Cuba. But even though the affinities of the Cuban beetle fauna are a mixture, it is still mostly Neotropical in its overall composition.

### Native species in adjacent land masses

Many species which originated on Cuba may have naturally dispersed to other lands, or other species from other lands have naturally moved into Cuba. These species naturally shared between Cuba and other lands are called native species. Figure 2 shows relative proportions of the 1092 native species which are shared with other neighboring land masses. All these species must have moved to or from Cuba at some time in the past (in the Pleistocene or Recent) by crossing the barriers of the oceanic water gaps which isolated Cuba.

It is sometimes possible to deduce which direction the movement has been by studying the other members of the genus. The movements may have

**Table 7.** Genera with 10 or more endemic species, showing significant speciation within Cuba.

Family	Genus	number of Species
Carabidae	<i>Platynus</i>	14
Staphylinidae	<i>Osorius</i>	15
Scarabaeidae	<i>Phyllophaga (Cnemarachis)</i>	68
	<i>Anoplosiagum</i>	15
Lampyridae	<i>Callopisma</i>	12
	<i>Photinus</i>	11
Tenebrionidae	<i>Diastolinus</i>	20
	<i>Lobopoda</i>	18
	<i>Cyrtosoma</i>	13
	<i>Strongylium</i>	11
Cerambycidae	<i>Elaphidion</i>	29
	<i>Leptostylus</i>	10
Chrysomelidae	<i>Lema</i>	18
	<i>Cryptocephalus</i>	62
	<i>Pachybrachis</i>	16
	<i>Chlamisius</i>	12
	<i>Metachroma</i>	28
	<i>Leucocera</i>	11
	<i>Oedionychus</i>	12
	<i>Stoiba</i>	11
Anthribidae	<i>Tropideres</i>	15
Curculionidae	<i>Lachnopus</i>	30
	<i>Exophthalmus</i>	20
	<i>Conotrachelus</i>	10
	<i>Anthonomus</i>	20
	<i>Acalles</i>	12
	<i>Pseudomus</i>	11
	<i>Cryptorhynchus</i>	37

been through the air by wind and flight, on the sea surface by rafting on floating materials, and by being transported by other animals such as birds. Such movements were likely most frequent in the past during times of Pleistocene continental glaciation, when sea levels were lower than at present, and the margins of surrounding islands and continents were closer to Cuba than now.

#### Introduced species.

A significant number of species of beetles (86 are presently recognized) have undoubtedly been brought to Cuba through either the intentional or

accidental actions of humans. Table 8 lists the species presently thought to be introduced to Cuba. Many of these originate in the Old World, and many are important pests of agricultural crops, trees, and stored products. The number of introductions of such pests will continue to grow without efforts to prevent this.

#### Caribbean Insect Biogeography

The West Indies are among the world's biologically most important island groups. Cuba is the largest island in the West Indies. It lies in the midst of other islands or island groups (Bahamas,

**Table 8. Beetles recognized in the scientific literature as introduced by human activities (adventive) to Cuba, and approved English common name (from the list of approved common names of insects, Entomological Society of America).**

Carabidae	<i>Leichenum canaliculatum variegatum</i> Klug
<i>Perigona nigriceps</i> (Dejean)	<i>Palorus ratzeburgii</i> (Wissmann). The small-eyed flour beetle
<i>Plochionus pallens</i> (Fabricius)	<i>Palorus foveicollis</i> Blair
Staphylinidae	<i>Taurocerus cornuta</i> Fabricius
<i>Anotylus tetracarinatus</i> (Block)	<i>Tribolium castaneum</i> (Herbst). The red flour beetle
<i>Anotylus vinsoni</i> (Cameron)	<i>Tribolium confusum</i> Jacquelin du Val. The confused flour beetle
<i>Carpelimus corticinus</i> (Gravenhorst)	Anthicidae
<i>Carpelimus politus</i> Kiesenwetter	<i>Omonadus floralis</i> (Linnaeus). The narrow necked grain beetle
<i>Gabronthus maritimus</i> (Motschulsky)	<i>Sticticomus tobias</i> (Marseul)
<i>Oxytelus incisus</i> Motschulsky	<i>Vacusus vicinus</i> (Laferté-Sénéctère)
<i>Phacophyllus parumpunctatus</i> (Gyllenhal)	Cerambycidae
<i>Philonthus discoideus</i> (Gravenhorst)	<i>Eburia quadrigeminata</i> (Say)
<i>Philonthus varians</i> (Paykull)	<i>Monochamus titillator</i> (Fabricius). The southern pine sawyer beetle
<i>Philonthus ventralis</i> (Gravenhorst)	<i>Neoclytus acuminatus</i> (Fabricius). The redheaded ash borer
<i>Remus pruinosus</i> Erichson	<i>Neoptychodes trilineatus</i> (Linnaeus)
Hybosoridae	<i>Philematum femorale</i> (Olivier)
<i>Hyposorus illigeri</i> Reiche	<i>Stromatium fulvum</i> (Villers)
Scarabaeidae	Bruchidae
<i>Aphodius lividus</i> Olivier	<i>Acanthoscelides obtectus</i> Say. The bean weevil
<i>Ataenius stercorator</i> Fabricius	<i>Bruchus pisorum</i> (Linnaeus). The pea weevil.
<i>Cyclocephala notata</i> (Illiger)	<i>Bruchus rufimanus</i> (Boheman). The broadbean weevil
<i>Onthophagus gazella</i> Fabricius. The brown dung beetle	<i>Zabrotes subfasciatus</i> (Boheman). The Mexican bean weevil
<i>Phyllophaga (Cnemarachis) analis</i> (Burmeister)	Anthribidae
<i>Phyllophaga (Cnemarachis) bruneri</i> Chapin	<i>Araecerus coffeae</i> Fabricius. The coffee bean weevil
<i>Pseudataenius waltherhorni</i> (Balthasar)	Brentidae
Buprestidae	<i>Cylas formicarius</i> (Fabricius). The sweetpotato beetle
<i>Buprestis (Sterosa) apricans</i> Herbst. The turpentine borer	Curculionidae
<i>Chalcophora virginiana</i> (Drury)	<i>Caulophilus oryzae</i> (Gyllenhal). The broadnosed grain weevil
<i>Dicerca tuberculata</i> Laporte and Gory	<i>Euscepes postfasciatus</i> (Fairmaire). The West Indian sweetpotato weevil
<i>Melanophila acuminata</i> (Degeer)	<i>Sitophilus granarius</i> (Linnaeus). The granary weevil
Bostrichidae	<i>Sitophilus oryzae</i> (Linnaeus). The rice weevil
<i>Apate monacha</i> Fabricius	<i>Sitophilus zeamais</i> Motschulsky. The maize weevil.
<i>Dinoderus minutus</i> (Fabricius). The bamboo powderpost beetle	<i>Stenommatum musae</i> Marshall
<i>Heterobostrycus aequalis</i> (Waterhouse)	Scolytinae. Bark and ambrosia beetles.
<i>Minthea obstita</i> (Wollaston)	<i>Cocotrypes advena</i> Blandford
Anobiidae	<i>Cocotrypes carpophagus</i> (Hornung)
<i>Gibbium aequinoctiale</i> Boieldieu	<i>Cocotrypes dactyliperda</i> (Fabricius)
Trogossitidae	<i>Cocotrypes robustus</i> Eichhoff
<i>Tenebriodes mauritanicus</i> (Linnaeus). The cadelle beetle	<i>Hypothenemus birmanus</i> (Eichhoff). The kiawe scolytid
Cleridae	<i>Hypothenemus columbi</i> Hopkins
<i>Necrobia ruficollis</i> Fabricius. The redshouldered ham beetle	<i>Hypothenemus crudiae</i> (Panzer)
<i>Necrobia rufipes</i> Degeer. The redlegged ham beetle	<i>Hypothenemus javanus</i> (Eggers)
<i>Thanoclerus buquet</i> (Lefebvre)	<i>Hypothenemus mangiferae</i> (Stebbing). The mango bark beetle
Nitidulidae	<i>Hypothenemus setosus</i> (Eichhoff)
<i>Carpophilus fumatus</i> Boheman	<i>Pagiocerus frontalis</i> (Fabricius)
<i>Omosita colon</i> (Linnaeus)	<i>Premnobius cavipennis</i> Eichhoff
<i>Urophorus humeralis</i> (Fabricius)	<i>Scolytogenes knabi</i> (Hopkins)
Silvanidae	<i>Trischidius atoma</i> (Hopkins)
<i>Ahasverus advena</i> (Waltl). The foreign grain beetle	<i>Xyloborinus andrewesi</i> (Blandford)
<i>Oryzaeophilus surinamensis</i> (Linnaeus). The saw-toothed grain beetle	<i>Xylosandrus compactus</i> (Eichhoff). The black twig borer
Coccinellidae	
<i>Catana clauseni</i> Chapin	
<i>Rhodalda cardinalis</i> (Mulsant). The vedalia beetle	
Rhipiphoridae	
<i>Rhipidius pectinicornis</i> Thunberg	
Tenebrionidae	
<i>Epitragus arulentus</i> Kirsch	



Hispaniola, Jamaica, Caymans) and near continental land of North America (Florida) and Central America (Yucatan peninsula). Most study of the patterns and processes in Caribbean biogeography have been based on vertebrates and plants (Woods 1989). Only recently have insects been used to help understand the history of the Caribbean, and the impact of the Caribbean on the evolution of insects.

Examples of biogeographic analyses of Caribbean insect groups are butterflies (Millere and Miller 1989; Scott 1972), lygaeid bugs (Slater 1988), auchenorhynchous bugs (Ramos 1988), scaritine and platynine carabid beetles (Nichols 1988, Liebherr 1988), caddis flies (Hamilton 1988), drosophilid flies (Grimaldi 1988), ants (Wilson 1988) and sweat bees (Eichwort 1988). Genaro and Tejuca (2001) provide a discussion of patterns in the Cuban insect fauna in general.

A variety of biogeographic patterns exists beyond those noted by Darlington (1957) for vertebrates. There are no fossil beetles to help in a reconstruction of their history in Cuba. Only a recent dytiscid and a scarab have been recovered from asphalt tar seeps in Matanzas Province (Iturralde-Vinent et al. 2000; Valdés 1999).

### Biogeographic History of Cuba

The biogeographic history of Cuba has long stimulated interest, speculation, and investigation. The basics of Cuban zoogeography, with data drawn from the vertebrate animals, were summarized by Darlington (1957), who categorized the West Indies as a "fringing archipelago." The vertebrate fauna is unbalanced in its diversity. The absence of strictly fresh-water fishes, the limited diversity of amphibians and reptiles, and the virtual absence of land mammals is evidence that Cuba has always been isolated by oceanic water gaps, just as is the case for the rest of the Greater Antilles (Hedges 2001).

There is also a distributional structure or pattern in the vertebrate fauna. There is a primary pattern in relict-endemic vertebrate groups (with small distributional ranges) which shows an eastward diminution in overall species diversity, suggesting colonization primarily from the Yucatan Peninsula of Mexico directly into Cuba. There is a secondary pattern suggesting dispersal to Cuba through Jamaica. Some of these groups then moved from Cuba into the islands further to the east (Hispaniola and Puerto Rico). A full understanding of the historical development of distributional patterns requires some knowledge of the geological history of Cuba.

### Geological History of Cuba

The Greater Antilles (and Cuba) were formerly thought to be composed of blocks of continental rock and to be relatively fixed in their location through geological time. The islands are composed of a complex of volcanic rocks and marine limestones. It is now known that the islands have had a complex history of location, submergence, and emergence. Donnelly (1988, 1989) has summarized the modern understanding of the geological history of the Caribbean, but the Caribbean Basin remains one of the most controversial areas in the world for a reconstruction of its past history. The best modern overview, from the point of biogeography, is that of Iturralde-Vinent and MacPhee (1999). These references have been used to construct the following summary.

Cuba seems to be composed mainly of a terrane of slivers of oceanic material stacked by compressive deformation of linear masses of sufficient thickness to achieve emergence. This seems to be the result of lateral compression at the edge of the Caribbean tectonic plate as it moved from an eastern Pacific location into a location between the North and South American plates in late Cretaceous and early Tertiary (Eocene) times. Cuba also seems to include parts of the Florida-Bahamas continental margin, and possible fragments of continental margin derived from the south (the Chortis block).

All these fragments, island arc sediments, and volcanics seem to have been consolidated in the late Cretaceous with renewed compressive deformation in the Eocene. Thus, Cuba possibly provides a small exception to the strictly non-continental origin of the Greater Antilles. But there is no evidence for any direct, emergent, continental land connection at any time. However, there is evidence that there were very early but limited land connections to what is now Hispaniola and Puerto Rico, but not Jamaica.

After its origin by consolidation, the history of Cuba was probably one of isolation from the rest of the Greater Antilles. From 40 Ma (million years ago) to 10 Ma it lay north of the east-west strike-slip faults that continued to juxtapose different slivers of the other islands (especially Hispaniola).

Cuba is presently composed of three connected blocks: Western Cuba, West Central Cuba, and Eastern Cuba. Available evidence suggests that these have existed separately as subaerial land since the Eocene-Oligocene boundary, at about 35 Ma, and that the three blocks have been joined into the present island since the mid-Miocene (after 8 Ma).

In summary, Cuba has had a complex geological origin and history. It is partly derived from two former continental margins. It has mostly been submerged. It may have had potential terrestrial (or smaller water gap) connections to the Yucatan. These geological potentials, in combination with the zoogeographic data, are consistent with a Tertiary emergent history, with continued isolation by water gaps, with the greatest source of over-water colonists being Central America (directly with Yucatan and via Jamaica from Honduras). The closing of the Central American (Panamanian) isthmus in the Pliocene modified oceanic circulation and formed the Gulf Stream, which must have altered over-water colonization processes. Lower glacial sea-levels exposed vastly greater areas of land, and diminished the size of the isolating water gaps. The Pleistocene changes of climate in the Caribbean are poorly understood, but seemingly lower sea levels were coincident with increased aridity, and this decreased the dispersal and colonization potential of mesic terrestrial biotas.

### References

- Costa, C.** 2000. Estado de conocimiento de los Coleoptera Neotropicales. Pp. 99-114. *In*: Martín-Piera, F., Morrone, J. J., and Melic, A. (eds). Hacia un proyecto CYTED para el inventario y estimación de la diversidad entomológica en Iberoamérica: PrIBES-2000. M3m: Monografías Tercer Milenio, vol. 1, SEA, Zaragoza, Spain.
- Darlington, P.J., Jr.** 1957. Zoogeography. John Wiley and Sons, New York.
- Donnelly, T.W.** 1988. Geologic constraints on Caribbean biogeography. Pp. 15-37. *In*: Lieberr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Donnelly, T.W.** 1989. History of marine barriers and terrestrial connections: Caribbean paleogeographic inference from pelagic sediment analysis. Pp 103-118. *In*: Woods, C.A. (ed.). Biogeography of the West Indies; Past, Present and Future, Sandhill Crane Press, Gainesville, FL.
- Eichwort, G.C.** 1988. Distribution patterns and biology of West Indian sweat bees (Hymenoptera: Halictidae). Pp. 231-253. *In*: Lieberr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Genaro, J.A. Tejuca, A.E.** 2001. Patterns of endemism and biogeography of Cuban insects. Pp. 77-83. *In*: Woods, C.A. and F.E. Sergile (eds.), Biogeography of the West Indies; patterns and perspectives. CRC Press, Boca Raton, FL.
- Grimaldi, D.A.** 1988. Relicts in the Drosophilidae (Diptera). Pp. 183-213. *In*: Lieberr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Hamilton, S.W.** 1988. Historical biogeography of two groups of Caribbean *Polycentropus* (Trichoptera: Polycentropidae). Pp. 153-182. *In*: Lieberr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Hedges, S.B.** 2001. Biogeography of the West Indies: an overview. Pp. 15-33. *In*: Woods, C.A. and F.E. Sergile (eds.), Biogeography of the West Indies; patterns and perspectives. CRC Press, Boca Raton, FL.
- Iturralde-Vinent, M. A., and MacPhee, R. D. E.** 1999. Paleogeography of the Caribbean Region: implications for Cenozoic biogeography. Bull. American Museum of Natural History no. 238, 95 pp.
- Iturralde-vinent, M. A., MacPhee, R. D. E., Díaz-Franco, S., Rojas-Consuegra, R., Suárez, W. and Lomba, A.** 2000. Las Breas de San Felipe, a Quaternary fossiliferous asphalt seep near Martí (Matanzas Province, Cuba). Caribbean Journal of Science 36: 300-313.
- Lieberr, J.K.** 1988. Biogeographic patterns of West Indian *Platynus* carabid beetles. Pp. 121-152. *In*: Lieberr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Marske, K.A. and Ivie, M.A.** 2003. Beetle fauna of the United States and Canada. Coleopterists Bulletin 57: 495-503.
- Miller, L.D. and Miller, J.Y.** 1989. The biogeography of West Indian butterflies (Lepidoptera: Papilionoidea: Hesperioidea): a vicariance model. Pp. 229-262. *In*: Woods, C.A. (ed.), Biogeography of the West Indies: Past, Present and Future. Sandhill Crane Press, Gainesville, FL.
- Navarrete-Heredia, J. L. and Fierros-López, H. E.** 2001. Coleoptera de México: situación actual y perspectivas de estudio. Pp. 1-21. *In*: Navarrete-Heredia, J. L., Fierros-López, J. L., and Burgos-Soloria, A. (eds.). Tópicos sobre Coleoptera de Mexico. Universidad de Guadalajara-Universidad Autónoma del Estado de Morelos, Guadalajara, Mexico.
- Nichols, S.W.** 1988. Kaleidoscopic biogeography of West Indian Scaritinae (Coleoptera: Carabidae). Pp. 71-120. *In*: Lieberr, J.K. (ed.).

- Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Ramos, J.A.** 1988. Zoogeography of the auchenorrhynchous Homoptera of the Greater Antilles (Hemiptera). Pp. 61-70. *In*: Liebherr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Scott, J.A.** 1972. Biogeography of Antillean butterflies. *Biotropica* 4: 32-45.
- Slater, J.A.** 1988. Zoogeography of the West Indian Lygaeidae (Hemiptera). Pp. 38-60. *In*: Liebherr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Valdés, P.** 1999. Primero insectos fósiles cubanos (Coleoptera: Scarabaeidae: Dytiscidae). *Cocuyo* 9: 17-18.
- Wilson, E.O.** 1988. The biogeography of the West Indian ants (Hymenoptera). Pp. 214-230. *In*: Liebherr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, New York.
- Woods, C.A. (ed.)**. 1989. The biogeography of the West Indies: Past, Present and Future. Sandhill Press, Gainesville, FL.



# An Annotated Distributional Checklist of the Beetles of Cuba

## ORDER COLEOPTERA

### SUBORDER ARCHOSTEMATA

Only one species in this small suborder occurs in Cuba.

#### 1. FAMILY CUPEDIDAE

This family occurs in North and South America, Asia, Africa, and Australia. None are known from the West Indies. The larvae live in rotten wood.

#### 2. FAMILY OMMATIDAE

This family occurs in southern Brazil and northern Argentina, and eastern Australia.

#### 3. FAMILY CROWSONIELLIDAE

This family is known only from a minute, wingless, small eyed, soil dwelling species from central Italy.

#### 4. FAMILY MICROMALTHIDAE

The telephone-pole beetles

This family contains only one species which is native to and widespread in the southeastern USA; larvae bore in partly rotted damp wood, such as pine logs, or in rotten structural timber. It is now widely introduced to many parts of the world. Since larvae are known as amber fossils from the Dominican Republic (Philips 2001) the family may be a natural component of the Cuban fauna.

#### *Micromalthus* LeConte 1878: 613

*M. debilis* LeConte 1878: 613; Silvestri 1941: 2; Lawrence 1982: 486; Philips 2001: 159

**Distribution.** Cuba, México to Brazil, Hawaii, Hong Kong, Africa. Native to se USA

**Cuba localities.** M: Grotta (cueva) Bellamar, larvae in wooden table

**Collections.**

## REFERENCES

- Philips, T. K.** 2001. A record of *Micromalthus debilis* (Coleoptera: Micromalthidae) from Central America and a discussion of its distribution. Florida Ent. 84: 159-160.
- Silvestri, F.** 1941. Distribuzione geografica del *Micromalthus debilis* LeConte (Coleoptera Micromalthidae). Boll. Soc. Ent. Italiana 73: 2.

## SUBORDER MYXOPHAGA

This suborder does not occur in Cuba or elsewhere in the West Indies. Arce Pérez (1997, Dugesiana 4: 41-50) gives a summary of the fauna of México with notes and references on the Neotropical fauna.

#### 5. FAMILY LEPICERIDAE

Two species are known from flood debris along streams, from México to northern South America.

#### 6. FAMILY MICROSPORIDAE

This family contains the single genus *Microsporus* Kolenati, known from North and Central America, Europe, Asia Minor, southeast Asia, Africa, Madagascar, and Australia. Adults and larvae occur in mud, gravel and leaf litter on stream edges, or in moss in bogs.

#### 7. FAMILY HYDROSCAPHIDAE

This family occurs in western North America, México, Panamá, Brazil, Eurasia, North Africa, southeast Asia, and Madagascar. Larvae live in streams, where they feed on algae.

#### 8. FAMILY TORRIDINCOLIDAE

About 6 genera are known from Brazil, southern Africa, and Madagascar. Larvae live on wet rock surfaces.

## SUBORDER ADEPHAGA

### 9. FAMILY RHYSODIDAE

#### The wrinkled bark beetles

Adults and larvae occur deep within the damp interior of logs and rotten wood. Adults force their way between layers of heartwood and seemingly feed on slime molds. A key to the Cuban species is in Bell and Bell (1995). Bell (2001) discusses the biogeography of the West Indian fauna.

## TRIBE OMOGLYMMINI

#### *Plesioglymmius* Bell & Bell 1978: 70

*P. compactus* Bell & Bell 1979: 437; 1995: 187

*Rhysodes cubanus* Zayas 1988: 9 (synonymy by Ivie 1991: 400); Ho: Altiplano de Mayari (t.l.), Zayas (type)

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu. Mte. Iberia, (t.l. not specified). Ho: altiplano de Mayari  
**Collections.** Pittsburgh. Cambridge (type)

#### TRIBE CLINIDIINI

##### *Clinidium* Kirby 1830: 6

*C. (Protainoa) extrarium* Bell and Bell 1978: 63; 1995: 189

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Lomas del Rio. (t.l.)

**Collections.** Pittsburgh

*C. (Tainao) curvicosta* Chevrolat 1873: 215; Bell and Bell 1995: 190

*C. guildingi* Kirby, Chevrolat 1864: 611; Gundlach 1891: 116

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: N of Imias, 3-4000'. SC: Cobre Range; Gran Piedra, 6 km NE Siboney, Rio Juragua; Loma del Gato 8000' (t.l.)

**Collections.** Gatineau. Pittsburgh. Gundlach no. 1181. Cambridge (type)

*C. (T.) chevrolati* Reitter 1880: 30; Bell and Bell 1995: 191

*C. (T.) turquinense* Bell 1970: 318; SC: Pico Turquino, 3-5000' (t.l.), Cambridge (type)

**Distribution.** Cuba. Endemic

**Cuba localities.** "New Granada" (t.l.). SC: Pico Turquino; Broche; Palma Mocha. Gu: Nibujon, Gu: Baracoa

**Collections.** Cambridge. Pittsburgh. San Francisco

*C. (C.) humeridens* Chevrolat 1873: 215; Bell and Bell 1995: 193

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### REFERENCES

- Bell, R.T.** 1970. The Rhysodini of North America, Central America, and the West Indies (Coleoptera, Carabidae or Rhysodidae). Misc. Publ. Ent. Soc. Amer. 6: 289-324.
- Bell, R.T.** 2001. Rhysodine beetles in the West Indies. Pp. 117-125. In: Woods, C.A. and F.E. Sergile (eds.), Biogeography of the West Indies; patterns and perspectives. CRC Press, Boca Raton, FL.
- Bell, R. T. and J. R. Bell.** 1978. Rhysodini of the world. Part I. A new classification of the tribe, and a synopsis of *Omoglymmius*, subgenus *Nitiglymmius*, new subgenus (Coleoptera: Carabidae or Rhysodidae). Quaest. Ent. 14: 43-88.

**Bell, R. T. and J. R. Bell.** 1979. Rhysodini of the world. Part II. Revisions of the smaller genera (Coleoptera: Carabidae or Rhysodidae). Quaest. Ent. 15: 377-446.

**Bell, R.T. and J.R. Bell.** 1995. The Rhysodini (Insecta; Coleoptera; Carabidae) of Cuba. Ann. Carnegie Mus. 64: 185-195.

**Ivie, M. A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, Entomofauna Cubana. Order Coleoptera. Coleop. Bull. 45: 399-401.

#### 10. FAMILY CARABIDAE

##### The ground beetles

Reviewed by G. E. Ball, March, 2001

These are mostly active predators on plant surfaces, and in litter. Some Harpalini are phytophagous. The larvae are usually liquid-feeding predators. Larvae of Lebiini and Brachiniinae are ectoparasitic. The main reference and introduction to the West Indian carabid fauna is the list by Erwin and Sims (1984). This is a most important paper because it gives keys to the genera known in Cuba. Keys to all Neotropical genera are in Reichardt (1977). Darlington (1937) is an itemization of Cuban carabids known to him, and includes several keys for identification. Mateu (1977) has provided a list of carabids found in Cuban caves, but none of the species are cave limited (Peck et al. 1998). Valdés (1999) provides a list of Cuban Cicindelinae. The higher classification used here follows that in Bousquet and Laroche (1993). Ball (1992a) provides an excellent framework by which to analyze the entire Cuban carabid beetle fauna.

#### SUBFAMILY PAUSSINAE

##### TRIBE OZAENINI

##### *Pachyteles* Perty 1830: 3

*P. gyllenhali* (Dejean) 1825: 436 (*Ozaena*); Chevrolat 1863: 190 (*Goniotropis*); Gundlach 1891: 18; Ball and McCleve 1990: 94

*Goniotropis pallida* Chevrolat 1863: 190

**Distribution.** Cuba, México, Colombia, Surinam, Brazil, sw USA (AZ)

**Cuba localities.** Ci: Cayamas

**Collections.** Cambridge

#### SUBFAMILY CARABINAE

##### TRIBE CARABINI

##### *Calosoma* Weber 1801: 20

*C. (Castrida) sayi* Dejean 1826: 198; Gidaspow 1963: 300

*C. alternans* Fabricius; Jacquelin du Val 1856: 19; Chevrolat 1863: 186; Gundlach 1891: 12  
**Distribution.** Cuba, Bahamas?, Jamaica, Hispaniola, Puerto Rico, México, Guatemala, USA (CA-ND-FL)

**Cuba localities.** Widespread. Ci: Cienfuegos. Gu: Guantánamo. Ho: Holquin. LT: Jobabo. PR: Guanahacabibes

**Collections.**

*C. (Calodrepa) splendidum* Dejean 1831: 558; Jacquelin du Val 1856: 19; Chevrolat 1863: 186; Gundlach 1891: 12.; Gidaspow 1963: 283

**Distribution.** Cuba, Hispaniola, USA (GA, FL).

**Cuba localities.** Gu: Guantánamo. LT: Jobabo. At lights

**Collections.**

#### SUBFAMILY CICINDELINAE

(see Freitag 1992)

#### TRIBEMEGACEPHALINI

#### *Megacephala* Latreille 1802: 79

*M. acutipennis* Dejean 1825: 13; Jacquelin du Val 1856: 4; Gundlach 1891: 9

*M. a. adonis* Laporte 1834: 83; Jacquelin du Val 1856: 4; Chevrolat 1863: 184 (*Tetracha*)

**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.** Widespread

**Collections.**

*M. carolina* Linné 1766: 657; Jacquelin du Val 1856: 3

*M. occidentalis* Klug 1829: 11; Chevrolat 1863: 184 (*Tetracha*); Gundlach 1891: 9

**Distribution.** Cuba, Jamaica, Bahamas, Grand Cayman, México, Guatemala, Nicaragua, USA (CA-TX-VA-FL)

**Cuba localities.** Widespread

**Collections.**

[*M. rutilans* Thomson 1857a: 35; see Valdés 1999: 13]

*M. r. infuscata* Mannerheim 1837: 6; Jacquelin du Val 1856: 3; Chevrolat 1863: 184 (*Tetracha*)

**Distribution.** Cuba record an error?, Hispaniola, Puerto Rico, St. Thomas, St. John, St. Croix, St. Martin, St. Barthélemy, USA(?)

#### TRIBE CICINDELINI

#### *Cicindela* Linné 1758:407

*C. acuniae* Mutchler 1924: 1; Barreto 1924: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Sierra Cubitas (t.l.)

**Collections.** New York (type)

*C. boops* Dejean 1831: 258; Jacquelin du Val 1856: 5; Chevrolat 1863: 185; Gundlach 1891: 11

**Distribution.** Cuba, Hispaniola, Puerto Rico, Caicos Islands, Jamaica, Virgin Islands

**Cuba localities.** M: Cárdenas

**Collections.**

*C. cardini* Leng and Mutchler 1916: 689

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. cubana* Leng and Mutchler 1916: 698

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

[*C. dorsalis* Say 1817: 20; see Valdés 1999: 13]

**Distribution.** Cuba in error; México, eastern USA

*C. marginata* Fabricius 1775: 226; Gundlach 1891: 11

**Distribution.** Cuba, Bahamas, widespread eastern USA

**Cuba localities.** M: between Matanzas and Punta de Jeacos, on beaches

**Collections.**

*C. olivacea* Chaudoir 1854: 118; Chevrolat 1863: 185; Gundlach 1891: 10

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ha: Havana, on coast

**Collections.**

*C. trifasciata* Fabricius 1781: 286

*C. tortuosa* Dejean 1825: 87; Jacquelin du Val 1856: 5; Chevrolat 1863: 185; Gundlach 1891: 10

**Distribution.** Cuba, Bahamas, Grand Cayman, Jamaica, Hispaniola, Puerto Rico, St. Thomas, St. John, St. Martin, Bermuda, Antigua, Guadeloupe, St. Barthélemy, Anguilla, St. Croix, Virgin Islands, USA (TX-NJ-FL)

**Cuba localities.** Widespread. On beaches

**Collections.** Carnegie (as *tortuosa*)

*C. viridicollis* Dejean 1831: 265; Jacquelin du Val 1856: 6; Chevrolat 1863: 185; Gundlach 1891: 11

*C. v. carbonaria* Zayas 1988: 11 (Zayas, type)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Ha: Havana. SC: Gran Piedra. SS: Buenos Aires. ; Mina Carlota; San Blas; Trinidad Mts. On sandy roads and at lights

**Collections.** Zayas

#### SUBFAMILY SCARITINAE

(see Nichols 1988a, 1988b)

#### TRIBE CLIVININI

***Ardistomis* Putzeys 1846: 637**

*A. elongatulus* Putzeys 1866: 208

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Marsh and swamps in lowlands; winged

**Collections.** Cambridge

*A. nitidipennis* Darlington 1934: 70.

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). SC: Cauto El Cristo; Cauto River; Cruces. PR: Sierra del Rangel. VC: Hanabanilla Falls. Mesophile

**Collections.** Cambridge (type)

*A. ramsdeni* Darlington 1937: 120

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.), 1800 m. Vestigial wings; wet forest humicole

**Collections.** Cambridge (type)

***Aspidoglossa* Putzeys 1846: 626**

*A. mexicana* Chaudoir 1837:18

*A. vulnerata* Putzeys 1846: 633; Jacquelin du Val 1856: 17 (Not Cuba, but Puerto Rico, South America)

*A. comma* Putzeys 1846: 634; Jacquelin du Val 1856: 18; Chevrolat 1863: 193; Gundlach 1891: 24

**Distribution.** Cuba, Bahamas, México

**Cuba localities.** Ca: Central Jaronú. CA: Baraguá. Ci: Cayamas; Soledad. Gu: Maisi. Ha: Almendares; Sierra de Anafe, Caimito. .PR: Sierra de Rangel. SC: Calabazas; coast below Pico Turquino

**Collections.** Cambridge

***Clivina* Latreille 1802: 96**

*C. (Isoclivina) limbipennis* Jacquelin du Val 1857: 16

*C. simplex* Chevrolat 1863: 192

**Distribution.** Cuba, Hispaniola, Puerto Rico

**Cuba localities.** Ci: Cienfuegos; Soledad. Gr: Guane. Ha: Coama. PR: San Vicente. SC: Aquadores

**Collections.**

*C. (Paraclivina) biguttata* Putzeys 1866: 155.

*C. bisignata* Putzeys 1846: 624; Chevrolat 1863: 193

**Distribution.** Cuba, Jamaica

**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. Ha: Almendares. IJ. SC: Aguadores. Eurytopic hygrophile; agricultural associate; winged

**Collections.**

*C. (P.) bipustulata* Fabricius 1801: 125 (*Scarites*); Jacquelin du Val 1856: 17; Gundlach 1891:24 (*Aspidoglossa*)

**Distribution.** Cuba, Jamaica, Cayman Islands, Hispaniola, México, eastern USA, Canada (ON)

**Cuba localities.** Widespread. Ca: Central Jaronú. Ci: Soledad. Ha: Almendares. PR: San Vicente. SC: Aguadores

**Collections.**

*C. (P.) fasciata* Putzeys 1846: 624

*Dyschirius insularis* Jacquelin du Val 1857: 13; Chevrolat 1863: 191; Gundlach 1891: 21

**Distribution.** Cuba, Bahamas, Jamaica, Cayman Islands, Hispaniola, Puerto Rico, Lesser Antilles, Yucatan, México to South America, USA (FL)

**Cuba localities.** CA: Baraguá. Ci: Cayamas. Gr: Cauto El Cristo. Ha: Havana. M: Cárdenas. Common at lights

**Collections.** Cambridge

*C. (Semiclivina) cubae* Darlington 1934: 68

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguéy. CA: Baraguá. Ci: Cayamas; Soledad (t.l.). SC: Aguadores. In river gravels

**Collections.** Cambridge (type)

*C. (S.) dentipes* Dejean 1825: 415; Jacquelin du Val 1856: 15; Chevrolat 1863: 192

**Distribution.** Cuba, Jamaica, México, se USA

**Cuba localities.** CA: Baraguá. Ci: SS: Buenos Aires; Soledad. Gr: Cauto El Cristo. Ha: Camoa; La Lisa; Sierra de Anafe, Caimito. PR: San Diego. Winged hygrophile

**Collections.**

***Dyschiriodes* Jeannel 1941: 300**

*D. larochellei* (Bousquet) 1988: 374 (*Dyschirius*)

*D. erythrocerus* Leconte, Mateu 1977: 377

**Distribution.** Cuba, Bahamas, Hispaniola, Yucatan, México, USA (FL)

**Cuba localities.** Ha: mud of Lago Marianao. PR: Hoyo de Fania. Halobiontic, flightless

**Collections.** Bucharest?

*D. sublaevis* (Putzeys) 1846: 562 (*Dyschirius*)

**Distribution.** Cuba, México (Yucatan), USA (FL)

**Cuba localities.** Ha: Havana, on saline mud flats. Halobiontic. A probable predator on *Bledius* staphylinids (Thayer and Purrington 2004: 441)

**Collections.**



***Halocoryza* Allaud 1919: 100***H. arenaria* (Darlington) 1939: 84**Distribution.** Cuba, Bahamas, Jamaica, Cayman Islands, Virgin Islands, Lesser Antilles, México, Central America, South America, Africa, USA (s FL, Keys). Intertidal, winged**Cuba localities.****Collections.*****Oxydrepanus* Putzeys 1866: 103***O. cristalensis* Zayas 1988: 13**Distribution.** Cuba. Endemic**Cuba localities.** Ho: Sierra Cristal (t.l.)**Collections.** Zayas (type)*O. cubanus* Zayas 1988: 12**Distribution.** Cuba. Endemic**Cuba localities.** SC: Pico Cuba (t.l.)**Collections.** Zayas (type)*O. rufus* (Putzeys) 1846: 564 (*Dyschirius*); Jacquelin du Val 1856: 14; Chevrolat 1863: 191; Mateu 1977:377*Dyschirius brevicarinatus* Putzeys 1846: 571; Jacquelin du Val 1856: 15; Chevrolat 1863: 192**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, Puerto Rico, Yucatan, México, USA (FL)**Cuba localities.** Ci: Soledad. Ha: Almendares; Marianao; Sierra de Anafe, Caimito. M: Matanzas. PR: Lago Canoa; Cabañas. SC: edge of Laguna de Juragua; Aquadores. Winged, at lake and swamp edges**Collections.** Bucharest?***Schizogenius* Putzeys 1846: 649***S. arimao* Darlington 1934: 71**Distribution.** Cuba, Jamaica, Hispaniola**Cuba localities.** Ci: Santa Clara, Cumanayagua; Soledad (t.l.). Riparian in gravel on shorelines**Collections.** Cambridge (type)***Semiardistomis* Kult 1850: 301***S. cyaneolimbatus* (Chevrolat) 1863: 194*Ardistomis gundlachi* Gundlach 1891: 25; Leng and Mutchler 1914: 395**Distribution.** Cuba, Cayman Islands, Hispaniola, México.**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. IJ. Gu: Maisi. Gr: Cauto El Cristo. SC: Aguadores; Santiago de Cuba. Riparian**Collections.**

## TRIBE SCARITINI

***Scarites* Fabricius 1801: 123***S. (S.) alternans* Chaudoir 1843: 729; Jacquelin du Val 1856: 13; Chevrolat 1863: 191; Gundlach 1891:20**Distribution.** Cuba. Endemic in highlands (disjunct distribution?)**Cuba localities.** Ci: Soledad. Gu: San German. Ho: Aguayo. SC: Aguadores; Santiago. Or: Central Palma. Winged**Collections.***S. (S.) illustris* Chaudoir 1880: 66**Distribution.** Cuba, México, Swan Island (Honduras), Panamá and south**Cuba localities.****Collections.***S. (S.) marinus* Nichols 1986: 258**Distribution.** Cuba, Yucatan, Bahamas, USA (FL)**Cuba localities.** Ha: Havana (t.l.). Brachypterous, intertidal halobiont of seaweed wash-up on sandy beaches**Collections.** Cambridge (type)*S. (S.) subterraneus* Fabricius 1775: 249; Jacquelin du Val 1856: 12; Chevrolat 1863: 191; Gundlach 1891:21*S. (S.) patruelis* LeConte 1845: 207**Distribution.** Cuba, Yucatan, México, USA (GA, FL)**Cuba localities.** Widespread. Winged, halophobic, hygrobiontic; subtropical moist and dry lowlands**Collections.** Cambridge*S. (Taeniolobus) cubanus* Bänninger 1937: 321**Distribution.** Cuba. Endemic**Cuba localities.** Ci: SS: Buenos Aires, Trinidad Mts., c. 1000 m, (t.l.). Flightless halophobic hygrobiont; lower montane wet forest**Collections.** Cambridge (type)

## SUBFAMILY TRECHINAE

## TRIBE TRECHINI

***Perileptus* Schaum 1860: 663***P. columbus* Darlington 1934: 86**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.). PR: Sierra de Rangel. In gravel bars**Collections.** Cambridge (type)

## TRIBE BEMBIDIINI

***Bembidion* Latreille 1802: 82**

*B. affine* Say 1823: 86; Jacquelin du Val 1856: 23; Chevrolat 1863: 198; Gundlach 1891: 32

**Distribution.** Cuba, USA (AL-TX-OH-DE)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 413

*B. cubanum* Darlington 1937a: 121

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Sierra Rangel (t.l.); SC: Gran Piedra; Sierra de Cobre, 1000 m. Winged, at streamsides

**Collections.** Cambridge (type)

*B. (Emphanes) darlingtoni* Mutchler 1934: 3; Mateu 1977: 377

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** SS: Sierra de Trinidad. Ci: Soledad (t.l.). Ha: Laguna de Ariguanabo. Winged hygrophile

**Collections.** Cambridge (type). Bucharest?

*B. (Notaphus) sparsum* Bates 1882: 151; Mateu 1977: 377

**Distribution.** Cuba, Hispaniola, Puerto Rico, México to Nicaragua, South America

**Cuba localities.** Ha: Laguna de Ariguanabo (lake edge)

**Collections.** Bucharest?

*B. turquineum* Darlington 1937: 122.

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino, c. 1600 m (t.l.). Along mountain brooks, wings vestigial

**Collections.** Cambridge (type)

*B. viridicolle* (Laferté-Sénéctère) 1841: 48

*B. apicale* Jacquelin du Val 1856: 23; Chevrolat 1863: 198; Gundlach 1891: 32

**Distribution.** Cuba, Puerto Rico, México, widespread eastern North America

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 413 (*B. apicale*)

***Elaphropus* Motschulsky 1839: 73**

*E. yunax* (Darlington) 1939: 87 (*Tachys*); Mateu 1977: 377

**Distribution.** Cuba, Hispaniola

**Cuba localities.** SC: Baconao, in rotting algae on beach

**Collections.** Cambridge (type from Hispaniola). Bucharest?

***Lymnastis* Motschulsky 1862: 27**

*L. americana* Darlington 1934: 83

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad (t.l.). Mesophile

**Collections.** Cambridge (type)

***Micratopus* Casey 1914a: 42**

*M. parviceps* Darlington 1934: 85

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Jatibonico (t.l.). In field soils

**Collections.** Cambridge (type)

***Mioptachys* Bates 1882: 144**

*M. autumnalis* (Bates) 1882: 137

**Distribution.** Cuba, Montserrat, Guadeloupe, México, Guatemala, Nicaragua, Panamá

**Cuba localities.** Gu: Sierra de Purial. SC: Sierra de Cobre. SS: Sierra de Trinidad. Winged hygrophile

**Collections.**

***Paratachys* Casey 1918a: 174**

*P. abruptus* (Darlington) 1934: 80 (*Tachys*); Mateu 1977: 378

**Distribution.** Cuba, Hispaniola, Guadeloupe, Dominica

**Cuba localities.** SC: Cueva Jibara; Pico Turquino (t.l.); Sierra de Cobre. Winged; hygrophile

**Collections.** Cambridge (type). Bucharest?

*P. cubax* (Darlington) 1934: 78 (*Tachys*); Mateu 1977: 377

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad (t.l.). Gu: San Carlos Estancia. SC: Cueva Atabex; Cueva Jibara. SS: Jatibonico; Sierra de Trinidad

**Collections.** Cambridge (type). Bucharest?

*P. filax* (Darlington) 1934: 83.

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Santa Clara. SS: Sierra de Trinidad

**Collections.** Cambridge (type)

*P. paulax* (Darlington) 1934: 80

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Santa Clara

**Collections.** Cambridge (type)

*P. striax* (Darlington) 1934: 82 (*Tachys*); Mateu 1977: 378

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad (t.l.). Ho; Cueva Bariay (many in guano)

**Collections.** Cambridge (type)

*P. vorax* (LeConte) 1852: 194 (*Tachys*); Mateu 1977: 378

**Distribution.** Cuba, Puerto Rico, México, USA (CA-AZ-NM-TX)

**Cuba localities.** Ha: Laguana de Ariguanabo. PR: Hoyo de Fania. SC: Laguna Juragua. SS: Sierra de Trinidad

**Collections.**

***Pericompsus* LeConte 1851: 191**

*P. elegantulus* Laferté-Sénéctère 1841: 46; Mateu 1977: 377

*P. blandulus* Schaum 1860: 202; Chevrolat 1863: 198; Gundlach 1891:33 (*Bembidion*); Mateu 1977: 377

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Gu: Rio Sabana-la-mar at San Antonio. SC: Laguana Juragua

**Collections.**

*P. immaculatus* Bates 1871b: 246

**Distribution.** Cuba, México, Honduras, Costa Rica, Panamá, South America

**Cuba localities.** Ci: Cayamas; Soledad

**Collections.**

*P. jamcubanus* Erwin 1974b: 57

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Soledad; San Blas (Trinidad Mts.). Gr: Cauto El Cristo. Gu: Maisi

**Collections.**

***Polyderis* Motschulsky 1862: 27**

*P. ridiculus* Schaufuss 1879: 552

*Limnastis capito* Bates 1884: 287; Mateu 1977: 378

**Distribution.** Cuba, St. Thomas, Virgin Islands, Guatemala

**Cuba localities.** PR: Quemado de Pineda

**Collections.**

***Tachys* Stephens 1828b: 4**

*T. bradycellinus* Hayward 1900: 224

**Distribution.** Cuba, Haiti, Jamaica, USA (TX-LA-FL)

**Cuba localities.**

**Collections.**

*T. translucens* Darlington 1937: 123

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo, Boquerón (t.l.)

**Collections.** Cambridge (type)

TRIBE POGONINI

***Diplochaetus* Chaudoir 1871: 43**

*D. rutilus* (Chevrolat) 1863: 197 (*Pogonus*); Gundlach 1891: 25, 3l; Bousquet and Laplante 1997: 708

**Distribution.** Cuba, Cayman Islands, Hispaniola, México, Colombia, Venezuela, USA (NJ-FL-AZ)

**Cuba localities.** Gu: Baitiquiri; Guantánamo Bay; Savana 1a Mar. On saline mudflats or saline soil

**Collections.** Cambridge. Gainesville

SUBFAMILY HARPALINAE

TRIBE MORIONINI

***Morion* Latreille 1810: 159**

*M. monilicornis* (Latreille) 1806: 206 (*Harpalus*); Chevrolat 1863: 190; Gundlach 1891: 20

**Distribution.** Cuba, South America, widespread in e and se USA

**Cuba localities.**

**Collections.**

TRIBE LOXANDRINI

***Loxandrus* LeConte 1852: 250. See Allen and Ball 1980**

*L. celeris* Dejean 1828: 246; Mateu 1977: 378

*L. cruentatus* Chevrolat 1858: 209

**Distribution.** Cuba, Bahamas, Puerto Rico, México, se USA (TX-SC-FL)

**Cuba localities.** Ha: Laguna de Ariguanabo

**Collections.** Bucharest?

*L. crenatus* LeConte 1852: 252

**Distribution.** Cuba, se USA (LA-SC-FL)

**Cuba localities.**

**Collections.**

*L. cubanus* Tschitschérine 1903: 60

**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, México, Costa Rica

**Cuba localities.** Ci: Soledad

**Collections.**

*L. nocticolor* Darlington 1934: 91

**Distribution.** Cuba. Endemic Sister species of *L. rectangulus* of México, Grand Cayman, and USA (FL)

**Cuba localities.** Ci: Soledad (t.l.). In flood debris

**Collections.** Cambridge (type)

(*L. rectangulus* LeConte 1878: 377)

**Distribution.** Hispaniola, Grand Cayman, México, USA (TX, FL)

**Cuba localities.**

**Collections.**

## TRIBE PTEROSTICHINI

***Poecilus Bonelli* 1810: synoptic table***P. chalcites* Say 1823: 56**Distribution.** Cuba, widespread USA**Cuba localities.****Collections.*****Pterostichus Bonelli* 1810: synoptic table***P. cubensis* Darlington 1937: 123.**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Santa Clara, near Buenos, 3000'. (t.l.); Trinidad Mts. Winged mesophile**Collections.** Cambridge (type)

## TRIBE HARPALINI

***Acupalpus Latreille* 1829: 291***A. convexulus* Darlington 1934: 112**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Camagüey (t.l.). CA: Baraguá**Collections.** Cambridge (type)*A. iridens* Motschulsky 1864: 201**Distribution.** Cuba. Endemic**Cuba localities.****Collections.*****Amblygnathus Dejean* 1829: 62***A. puncticollis* Putzeys 1878: 34**Distribution.** Cuba, Hispaniola, Cayman Islands, Jamaica, Puerto Rico**Cuba localities.** CA: Baraguá**Collections.*****Bradycellus Erichson* 1837: 64***B. cubanus* Darlington 1934: 110**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Cambridge (type)*B. festinans* Casey 1914: 257**Distribution.** Cuba, USA (TX-AR-SD-WY)**Cuba localities.** Ci: Cayamas (t.l.); Cumanayagua; Santa Clara; Soledad**Collections.** Washington (type)*B. velatus* Darlington 1934: 111**Distribution.** Cuba, Puerto Rico**Cuba localities.** Ci: Soledad (t.l.); in flood debris**Collections.** Cambridge (type)***Discoderus LeConte* 1835: 381 (see Ball 1992a)***D. beauvoisi* (Dejean) 1829: 98**Distribution.** Cuba, Bahamas (Mayaguana), Cayman Islands, Jamaica, Hispaniola, Puerto Rico, Central America**Cuba localities.** Gu: Guantánamo Bay. SC: Santiago, Roig Botanical Gardens**Collections.** Gatineau. Gainesville*D. cinctus* (Putzeys) 1878: 45**Distribution.** Cuba. Endemic**Cuba localities.****Collections.*****Selenophorus Dejean* 1829: 80 (see Ball 1992a)***S. alternans* Dejean 1829: 86**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, Guadeloupe, South America, México**Cuba localities.****Collections.***S. chalybaeus* Dejean 1829: 110; Jacquelin du Val 1856: 22; Chevrolat 1863: 196; Gundlach 1891: 29; Mateu 1977: 378**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, Antigua, Guadeloupe**Cuba localities.** Widespread. Ci: Soledad. Ho: Cueva de Jagüey IJ: Nueva Gerona. Or: Guardalavaca. PR: Cueva del Indio. SC: Matias. At lights**Collections.** Bucharest? Pittsburgh*S. flavilabris* Dejean 1829: 97; Ball 1992a: 96*S. flavilabris cubanus* Darlington 1935: 203 (= *S. cubanus cubanus* Darlington)**Distribution.** Cuba, Bahamas (Mayaguana), Jamaica**Cuba localities.** SS: Sierra de Trinidad (t.l. of subspecies). Winged mesophile**Collections.** Cambridge (type)*S. discopunctatus* Dejean 1829: 92; Jacquelin du Val 1856: 22; Chevrolat 1863: 196; Gundlach 1891: 30*S. cuprinus* Dejean 1829: 96; Chevrolat 1863: 196; Gundlach 1891: 29; Blackwelder 1944: 49**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, Hispaniola, Puerto Rico, Antigua, Central and South America, USA (FL)**Cuba localities.** Widespread. IJ: Nueva Gerona**Collections.** Gatineau. Pittsburgh*S. integer* (Fabricius) 1801: 196 (*Harpalus*)**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico**Cuba localities.****Collections.***S. nonseriatus* Darlington 1934: 109**Distribution.** Cuba, Jamaica, Hispaniola



- Cuba localities.** Gu: Guantánamo Bay. PR: Sierra de Rangel. Winged hygrophile.  
**Collections.** Gainesville
- S. pyritosus* Dejean 1829: 84; Jacquelin du Val 1856: 21; Chevrolat 1863: 195; Gundlach 1891: 28; Mateu 1977: 378  
**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, México, Panamá, South America  
**Cuba localities.** Widespread. Ci: Soledad; Gu: Guantánamo Bay. Ha: Cueva Cinco Cuevas; IJ: Nueva Gerona; Sierra de las Casas. SC: Siboney, caves  
**Collections.** Bucharest? Gainesville. Pittsburgh
- S. sinuatus* Gyllenhal 1806: 203  
*S. parumpunctatus* Gundlach 1891: 29; Blackwelder 1944: 50; Mateu 1977: 378  
**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, Hispaniola, Puerto Rico, Antigua, Guadeloupe  
**Cuba localities.** Ci: Soledad. Gu: Guantánamo Bay  
**Collections.** Bucharest? Gainesville
- S. solitarius* Darlington 1934: 106  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas; Santa Clara. SS: Zaza del Medio (t.l.)  
**Collections.** Cambridge (type)
- S. striatopunctatus* Putzeys 1878: 33  
**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, Hispaniola, Puerto Rico, México, Leeward and Windward Islands, South America, se USA (FL)  
**Cuba localities.**  
**Collections.**
- Stenolophus* Stephens 1827: 67**  
*S. cruentatus* Chevrolat 1858: 209; 1863: 197; Gundlach 1891: 30  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.**
- S. infuscatus* Dejean 1829: 54  
**Distribution.** Cuba, e USA (FL)  
**Cuba localities.**  
**Collections.**
- S. ochropezus* Say 1825: 54  
*S. cruentatus* Chevrolat 1858: 209  
**Distribution.** Cuba, Puerto Rico, México (Baja), USA (CA)  
**Cuba localities.**  
**Collections.**
- Stenomorphus* Dejean 1831: 696.** See Ball et al. 1991: 932  
*S. cubanus* Darlington 1937: 135  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cauto El Cristo (t.l.); in wet ditch  
**Collections.** Cambridge (type)
- TRIBE LICININI
- Badister* Clairville 1806: 90** (see Ball 1992b; 377)  
*B. (Baudia) reflexus* LeConte 1880: 165  
**Distribution.** Cuba, Jamaica, Cayman Islands, Bahamas, Hispaniola, Mexico, eastern USA  
**Cuba localities.** CA: Baraguá. Ci: Soledad.  
**Collections.**
- Diplocheila* Brullé 1834: 407**  
*D. major* LeConte 1848: 418  
*D. m. melissisa* Ball 1959: 78 Cuba, USA (FL-AL-LA-TX)  
**Distribution.** Cuba, widespread southeastern USA  
**Cuba localities.** Ha: Camoa; Somorrostro  
**Collections.**
- TRIBE PANAGAEINI
- Coptia* Brullé 1835: 433**  
*C. effeminata* Darlington 1934: 89  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguëy; Central Jaronú. Ci: Soledad. (t.l. CA: Baraguá. At lights  
**Collections.** Cambridge (type)
- C. quadrisignatus* Chevrolat 1835: 187  
**Distribution.** Cuba, Puerto Rico, St. Thomas, México  
**Cuba localities.**  
**Collections.**
- C. sauricollis* Darlington 1934: 88  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.). In flood debris  
**Collections.** Cambridge (type)
- TRIBE CHLAENINI
- Chlaenius* Bonelli 1810: synoptic table**  
*C. cubanus* Chaudoir 1876a: 238  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

- C. gundlachi* Chaudoir 1876a: 148; Gundlach 1891: 26  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** USA (NY to TX)  
**Cuba localities.** Ci: Soledad. Ha: Camoa. IJ: Punta Pedernales  
**Collections.** Bucharest?
- C. niger* Randall 1838: 34; Gundlach 1891: 26  
**Distribution.** Cuba, widespread USA  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** [*S. gilvipes* Chaudoir 1883: 504]. Replacement name for *S. pallipes* Reiche 1846 (not Brullé 1838). Not cited by Bousquet (1996) as a northern Neotropical-southern Nearctic species. Cuba record in Blackwelder 1944: 45
- C. perplexus* Dejean 1831: 655  
*Chalaenius poeyi* Chevrolat 1863: 194; Gundlach 1891: 25  
*C. circumcinctus* Say, Gundlach 1891: 26; Leng and Mutchler 1914: 395  
**Distribution.** Cuba, Puerto Rico, Hispaniola, México, USA (TX-FL)  
**Cuba localities.** Ci: Soledad. M: Cárdenas; Cienaga de Zapata  
**Collections.** **Distribution.** Not Cuba. Northern South America  
*S. insulana* (Jacquelin du Val) 1856: 20 (*Oodes*); Chevrolat 1863: 195; Gundlach 1891: 28; Bousquet 1996: 481  
**Distribution.** Cuba, Grand Cayman, México, Trinidad, French Guiana, USA (TX)  
**Cuba localities.** Ci: Santa Clara; Soledad. Ha: Camoa  
**Collections.** Cambridge
- TRIBE OODINI (see Bousquet 1996)
- Anatrichius LeConte 1853:391**
- A. oblonga* Horn 1891: 37; Bousquet 1996: 457  
**Distribution.** Cuba, México, USA (TX)  
**Cuba localities.** Ci: Soledad.  
**Collections.** Cambridge
- Oodinus Motschulsky 1865: 353**
- O. darlingtoni* Bousquet 1996: 465.  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad. Gr: Cauto El Cristo. (t.l.).  
**Collections.** Cambridge (type).
- O. pseudopiceus* Bousquet 1996: 462  
[*O. mexicanus* Chaudoir 1882: 323 (misidentification for Cuba)]  
**Distribution.** Cuba, Hispaniola, Bahamas, USA (FL).  
**Cuba localities.** Gr: Cauto El Cristo.  
**Collections.** Cambridge. Washington
- Oodes Bonelli 1810: synoptic table**
- O. amaroides* Dejean 1831: 674; Gundlach 1891: 27; Bousquet 1996: 471  
**Distribution.** Cuba, eastern USA  
**Cuba localities.** Gr: Cauto El Cristo  
**Collections.**
- Stenocrepis Chaudoir 1857: 39**
- S. duodecimstriata* (Chevrolat) 1835: 173; Mateu 1977: 378; Bousquet 1996: 485  
**Distribution.** Cuba, Hispaniola, Jamaica, Bahamas. México, Nicaragua, Guatemala, se
- S. metallica* (Dejean) 1826: 379; Mateu 1977: 378  
*S. agilis* Laferté-Sénéctère 1851: 273  
**Distribution.** Cuba, Puerto Rico, México to Guyana and Brazil  
**Cuba localities.** Gu: Rio Sabana la Mar, San Antonio  
**Collections.** Bucharest?
- S. olivacea* (Bates) 1878: 589; Bousquet 1996: 489  
**Distribution.** Cuba, Hispaniola, México, Puerto Rico  
**Cuba localities.** Ci: Soledad. Gr: Cauto El Cristo. Gu: Maisi; Sabana la Mar. Ho: Holguín  
**Collections.** Cambridge. New York
- S. mexicana* (Chevrolat) 1835: 102; Bousquet 1996: 486  
*S. sulcatus* Chevrolat 1863: 195; Leng and Mutchler 1914: 395; Gundlach 1891: 28  
**Distribution.** Cuba, México, USA (NJ-TX)  
**Cuba localities.** Widespread  
**Collections.**
- S. tibialis* (Chevrolat) 1834: 46 (*Amara*); Chevrolat 1863: 194 (*Stenous*); Bousquet 1996: 493  
*Stenous pallipes* Brullé 1838: 32; Gundlach 1891: 27  
**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, México, Guatemala, South America  
**Cuba localities.** Widespread  
**Collections.** Cambridge. Carnegie
- TRIBE PENTAGONICINI
- Pentagonica Schmidt-Goebel 1846: 47** (see Bell 1985)

- P. flavipes* (LeConte) 1853: 377; Gundlach 1891: 19 (*Rhombodera*); Mateu 1977: 378  
*Rhombodera bicolor* Gundlach 1891: 20  
**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, Puerto Rico, Guadeloupe, Belize, Costa Rica, Panamá, South America, USA (SC-FL-LA)  
**Cuba localities.** Widespread  
**Collections.** Gatineau. Bucharest? Gundlach no. 42.
- P. nigricornis* Darlington 1934: 121.  
**Distribution.** Cuba, Cayman Islands, Central America, Colombia, USA (FL); in flood debris  
**Cuba localities.** Ci: Soledad (t.l.). Gu: N of Imias; Sierra de Purial. PR: Sierra Rangel. SC: Gran Piedra. Winged  
**Collections.** Cambridge (type)
- TRIBE PLATYNINI
- Agonum Bonelli 1810: synoptic table**
- A. decorum* (Say) 1823: 53  
*A. (Anchomenus) extensicolle* Say 1825: 54; Chevrolat 1863: 197; Gundlach 1891: 31  
*A. extensicolle cubanum* Darlington 1934: 97; Mateu 1977: 378  
*A. n.sp.* Zayas 1988: 14  
**Distribution.** Cuba, Grand Cayman, Jamaica, Hispaniola, México, USA (widespread, FL)  
**Cuba localities.** Ca: Camagüey. CA: Baraguá. Ci: Cayamas; Cumanayagua; Marcata, Rio Bayamo; Santa Clara; Soledad. Gr: Cauto El Cristo. Ha: Laguna Ariguanabo; Camoa. At lights, in river gravel  
**Collections.**
- Platynus Bonelli** (see Liebherr 1987, 1992)  
*baragua* group
- P. baragua* (Darlington) 1935: 197 (*Colpodes*); Mateu 1977: 378  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá (t.l.). Ci: Cienfuegos; Soledad; Sumidero de Vega Alta at Topes de Collantes. Ha: Havana. SS: Buenos Aires. , Trinidad Mts. Hygrophile; winged.  
**Collections.** Bucharest? Cambridge (type)
- P. bruneri* (Darlington) 1937: 132  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Cobre Range, Loma del Gato, 3000-3600' (t.l.). Mesophile; vestigial wings  
**Collections.** Cambridge (type)
- P. bucheri* (Darlington) 1937: 130  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mts. north of Imias (t.l.); Sierra de Purial. SC: Gran Piedra. Hygrophile; winged  
**Collections.** Gatineau. Cambridge (type)
- P. carabiai* (Darlington) 1937: 129 (*Colpodes*); Mateu 1977: 378  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mts. north of Imias; Sierra de Purial (t.l.). Ho: Cueva Bariay. SC: Cueva Jibara. Gu: Maisi; above Los Llanos. Hygrophile  
**Collections.** Bucharest? Cambridge (type)
- P. fratrorum* (Darlington) 1937: 129  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Cobre Range, Loma del Gato (t.l.). Hygrophile; winged  
**Collections.** Cambridge (type)
- P. mediopterus* (Darlington) 1937: 130  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino, 1000-2000 m (t.l.). Hygrophile, wings vestigial  
**Collections.** Cambridge (type)
- P. medius* (Darlington) 1937: 130 (*Colpodes*); Mateu 1977: 378  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Laguna Ariguanabo. SC: Gran Piedra (t.l.)  
**Collections.** Bucharest? Cambridge (type)
- P. pinarensis* (Darlington) 1937: 128  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rio Taco Taco; Sierra de Rangel, 500 m (t.l.). Hygrophile; winged  
**Collections.** Cambridge (type)
- P. subangustus* (Darlington) 1937: 131  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino, 4500-5500' (t.l.). Hygrophile; wings vestigial  
**Collections.** Cambridge (type)
- P. turquinensis* (Darlington) 1937: 131  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino, 1000-2000 m (t.l.). Hygrophile; wings vestigial  
**Collections.** Cambridge (type)
- degallieri* group (not *ovatulus* group)
- P. coptoderoides* (Darlington) 1937: 134  
**Distribution.** Cuba; Bahamas (Andros, Greater Exuma, Nassau, S. Bimini)  
**Cuba localities.** Gu: Cabo Maisi, Maya River (t.l.). PR: Pinar del Rio SC: Rio Turquino; Sierra del Cobre. Mesophile; winged  
**Collections.** Cambridge (type)

*jaegeri* group*P. acuniai* (Darlington) 1937: 133**Distribution.** Cuba. Endemic**Cuba localities.** SC: Pico Turquino (t.l.), 1600 m. Wings vestigial**Collections.** Cambridge (type)*P. cubensis* (Darlington) 1937: 132**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Trinidad Mts., SS: Buenos Aires (t.l.), 650-1200 m. Wings vestigial**Collections.** Cambridge (type)*memnonius* group*P. aequinoctialis* (Chaudoir) 1850: 382*Colpodes silviae* Zayas 1988: 15; Ivie 1991: 400**Distribution.** Cuba, Jamaica, Hispaniola, México, Central and South America**Cuba localities.** None given**Collections.** Zayas (type)*Sericoda* Kirby 1837:14*S. montana* Liebherr 1991**Distribution.** Cuba. Endemic**Cuba localities.** SC: Sierra Maestra (t.l.), 1200-1300 m**Collections.** Cambridge (type)

## TRIBE PERIGONINI

*Perigona* Laporte 1835: 151*P. laevigata* Bates 1872: 200**Distribution.** Cuba, México, Central America**Cuba localities.****Collections.***P. nigriceps* (Dejean) 1831: 44; Mateu 1977: 378**Distribution.** Cuba (introduced), Puerto Rico, Guadeloupe, Martinique, widespread USA; cosmopolitan, introduced from Old World**Cuba localities.** IJ: Santa Fe. At lights**Collections.** Bucharest? Cambridge*P. picea* Darlington 1934: 98**Distribution.** Cuba, Hispaniola, Guadeloupe**Cuba localities.** Ci: Cayamas; Santa Clara.

Gu: San Carlos Estancia; Sierra de Purial; Yateras. SC: Pico Turquino; Sierra de Cobre.

Winged, mesophile

**Collections.** Cambridge

## TRIBE LACHNOPHORINI (see Liebherr 1988)

*Anchonoderus* Reiche 1843: 38*A. subtilis* Bates 1871: 33; Darlington 1934: 98; 1941: 13; Liebherr 1988: 27**Distribution.** Cuba, Jamaica, México, Guatemala**Cuba localities.** Ci: Soledad; Trinidad Mts., San Blas, 300-1000 m. Gr: Cauto El Cristo. Gu: Baracoa; Imias; Maisi; upper Ovando River. PR: Sierra Rangel. SC: Aguadores; Daiquiri; coast below Turquino**Collections.** Cambridge*Eucaerus* LeConte 1853: 386*E. insularis* Darlington 1934: 120; Liebherr 1988: 22**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad. (t.l.); in flood debris**Collections.** Cambridge (type)*Euphorticus* Horn 1881: 144*E. pubescens* Dejean 1831: 30; Darlington 1941: 13; Liebherr 1988: 28*E. p. aeneolus* Bates 1883: 156. Cuba, México, Guatemala, South America**Distribution.** Cuba, Jamaica, México, Guatemala, Honduras, Colombia, Trinidad, se USA (LA-OH-SC-FL)**Cuba localities.** CA: Baraguá. Ha: Santiago de las Vegas. IJ: Nueva Gerona**Collections.** Cambridge. Warsaw*Lachnophorus* Dejean 1831: 28; Darlington 1934: 98; 1941: 13; Liebherr 1988: 34*L. leucopterus* Chevrolat 1863: 198; Gundlach 1891: 37 (*Anchonoderus*); Liebherr 1988: 34**Distribution.** Cuba, Puerto Rico, Jamaica, Hispaniola**Cuba localities.** Ci: Soledad, gravel bar; SS: Trinidad Mts. Gr: Cauto El Cristo; Bayamo. Gu: Baracoa; Maisi. PR: San Diego; Sierra Rangel. SC: Aguadores; Daiquiri; Imias. VC: Hanabanillo Falls**Collections.** Cambridge

## TRIBE ODACANTHINI

*Colliuris* DeGeer 1874: 79*C. gundlachi* Darlington 1934: 122**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.); in damp places**Collections.** Cambridge (type)*C. noah* Darlington 1934: 123**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad. (t.l.), in flood debris



- Collections.** Cambridge (type)  
*C. picta* Chaudoir 1843: 697; Gundlach 1891: 18  
 (*Casnonia*)  
*C. p. concluda* Liebke 1930: 689  
*C. p. extrema* Liebke 1930: 689  
**Distribution.** Cuba, México, USA (AZ, TX)  
**Cuba localities.** Gu: between Manati and Los Canos  
**Collections.**

***Leptotrachelus* Latreille 1829: 371**

- L. compressus* Zayas 1988: 20  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata (t.l.)  
**Collections.** Zayas (type)  
*L. cubanus* Zayas 1988: 19  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucia (t.l.)  
**Collections.** Zayas (type)  
*L. dorsalis* Fabricius 1801: 220; Gundlach 1891: 19  
**Distribution.** Cuba, e USA  
**Cuba localities.**  
**Collections.**

TRIBE CYCLOSOMINI

- Aephnidius* MacLeay 1825: 23.** Data from Ball, in litt.  
*A. (Aephnidius) ciliatus* Mutchler 1934: 130  
**Distribution.** Cuba, Cayman Islands, Bahamas (Mayaguana Island) Hispaniola, Puerto Rico, Panama to Argentina  
**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad. Gu: Maisi. SC: 10 km NE Caney  
**Collections.** Gatineau  
*A. (Macracanthus) sericatus* (Chaudoir) 1846: 541 (*Aephenidius*)  
*A. brevicillus* (Chevrolat) 1863: 189 (*Masoreus*); Gundlach 1891: 17; Mateu 1977: 378  
**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.** Ci: Soledad. Ha: Cueva Mariana Quivican. Ho: Cueva de los Santos. M: Cárdenas. PR: Viñales, San Vicente. SC: 10 km NE Caney, Arroyo Grovert, 300 m; Vista Alegre. Often in caves, winged  
**Collections.** Gatineau. Bucharest? Cambridge

TRIBELEBIINI

- Apenes* LeConte 1851: 174** (see Ball 1992a)  
*A. coriacea* Chevrolat 1863: 188; Gundlach 1891: 15

**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica

**Cuba localities.** M: Cárdenas. SS: Trinidad  
**Collections.**

- A. d. delicata* Darlington 1934: 118  
*A. strandi* Liebke 1939: 119 (Ball in litt.)  
**Distribution.** Cuba, Hispaniola; *A. d. cayman* in Cayman Islands  
**Cuba localities.** Ci: Cayamas; Santa Clara; Soledad (t.l.). SC: Santiago, Roig Botanical Garden; 6 km NE Siboney. Sifting and in fields  
**Collections.** Gatineau. Cambridge (type)  
*A. lata* Darlington 1934: 119  
**Distribution.** Cuba, Bahamas, Hispaniola  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Cambridge (type)  
*A. parallela* Dejean 1825: 218 (*Cymindis*); Jacquelin du Val 1856: 7; Chevrolat 1863: 187; Gundlach 1891: 15  
**Distribution.** Cuba, Bahamas (not Puerto Rico, México)  
**Cuba localities.** M: Cárdenas. SS: Trinidad  
**Collections.**  
*A. scobifera* Darlington 1953: 12; Mateu 1977: 378  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** SC: Siboney; at lights  
**Collections.** Bucharest?  
*A. sulcicollis* Jacquelin du Val 1857: 8; Chevrolat 1863: 188; Gundlach 1891: 15  
**Distribution.** Cuba, Bahamas  
**Cuba localities.** M: Cárdenas  
**Collections.**  
***Apristus* Chaudoir 1846: 12**  
*A. sericeus* Darlington 1934: 116  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.). On hot river sand banks  
**Collections.** Cambridge (type)  
***Calleida* Dejean 1825: 220**  
*C. rubricollis* Dejean 1825: 225; Jacquelin du Val 1856: 9  
*C. elegans* Chaudoir 1844: 469; Chevrolat 1863: 187; Gundlach 1891: 14  
**Distribution.** Cuba. Endemic not USA  
**Cuba localities.** Ci: Soledad. SC: Sierra de Cobre; Santiago, Roig Botanical Gardens. SS: Sierra de Trinidad. Mesophile; winged, at lights  
**Collections.** Gatineau  
*C. tinctula* Darlington 1934: 117  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.); Santa Clara. SC: Sierra de Cobre. Winged mesophile

**Collections.** Cambridge (type)**Coptodera Dejean 1825: 173** (see Shpeley and Ball 1993)

*C. festiva* Dejean 1825: 174; Jacquelin du Val 1856: 11; Chevrolat 1863: 189; Gundlach 1891: 18; Shpeley and Ball 2000: 146

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, México to Panamá, Venezuela, Ecuador, Peru, Brazil, USA (FL)

**Cuba localities.** Ci: Soledad.; Trinidad Mts. M: Cárdenas. SC: Boniato Mts., Rio Frio; Gran Piedra

**Collections.** Cambridge

*C. picea* Dejean 1826: 458

*C. unicolor* Chevrolat 1834: 40; Gundlach 1891: 18

**Distribution.** Cuba, México to Panamá, widespread South America, USA (FL)

**Cuba localities.** Ca: Camaguëy. SC: Santiago de Cuba

**Collections.**

**Euproctinus Leng and Mutchler 1927: 14** (see Shpeley 1986)

*E. trivittatus* LeConte 1878: 373; Shpeley 1986: 295-300

**Distribution.** Cuba, USA (FL) (dispersed from Cuba to FL)

**Cuba localities.** Ha: Santa Maria del Mar; Santaiaigo de las Vegas

**Collections.**

**Galerucidia Chaudoir 1872: 416**

*G. dimidiata* Chaudoir 1872a: 420

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**Lebia Latreille 1802: 85**

*L. abdominalis* Chaudoir 1843: 704; Gundlach 1891: 16

**Distribution.** Cuba, Nicaragua to e USA

**Cuba localities.**

**Collections.**

*L. bitaeniata* Chevrolat 1834: fascicle 2; Gundlach 1891: 16

**Distribution.** Cuba, Costa Rica to s USA (s TX)

**Cuba localities.**

**Collections.**

*L. darlingtoni* Zayas 1988: 17

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Ciudadamar (t.l.)

**Collections.** Zayas (type)

*L. dorsovittata* Zayas 1988: 16

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: costera de Juraguá (t.l.)

**Collections.** Zayas (type)

*L. esurialis* Casey 1920: 257; Mateu 1977: 378

**Distribution.** Cuba; USA (TX, SD)

**Cuba localities.** SC: Siboney. At lights

**Collections.**

*L. marginicollis* Dejean 1825: 271

*L. cyanea* Dejean 1831: 386; Jacquelin du Val 1856: 11; Chevrolat 1863: 188; Gundlach 1891: 16

**Distribution.** Cuba, México, Guatemala, Nicaragua, widespread USA

**Cuba localities.** M: Cárdenas

**Collections.**

**Microlestes Schmidt-Goebel 1846: 41**

*M. poeyi* (Jacquelin du Val) 1857: 10 (*Dromius*); Chevrolat 1863: 188 (*Blechrus*); Gundlach 1891: 16

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas. SC: Aguadores

**Collections.** Cambridge

**Phloeoxena Chaudoir 1869: 145**

*P. costata* Darlington 1937: 135

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra del Cobre (t.l.); Loma del Gato. Mesophile; winged

**Collections.** Cambridge (type)

*P. dealata* Darlington 1937: 136

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.), 1000-2000 m. Wings vestigial

**Collections.** Cambridge (type)

*P. imitatrix* Darlington 1934: 114.

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Santa Clara. SC: Sierra de Cobre. SS: Sierra de Trinidad. Mesophile; winged

**Collections.** Cambridge (type)

*P. plagiata* Darlington 1934: 114

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantamano (t.l.)

**Collections.** Cambridge (type)

*P. schwarzi* Darlington 1934: 115

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. (t.l.); Santa Clara

**Collections.** Cambridge (type)



***Plochionus* Latreille & Dejean 1824: 150***P. bicolor* Notman 1919: 234**Distribution.** Cuba, USA (FL)**Cuba localities.****Collections.***P. pallens* (Fabricius) 1775: 244; Chevrolat 1863: 189; Gundlach 1891: 17*Plochionus bonfilsii* Dejean, Jacquelin du Val 1856: 10**Distribution.** Cuba (introduced), Bahamas, México, Central America, South America, USA (FL, MA, PA); cosmopolitan, native to Old World**Cuba localities.** M: Cárdenas**Collections.***P. rubrofasciatus* Zayas 1988: 18**Distribution.** Cuba. Endemic. Probably conspecific with *P. bicolor*, but not established (G. Ball *in litt.*)**Cuba localities.** SC: Pico Turquino (t.l.)**Collections.** Zayas (type)

## TRIBE ZUPHIINI

***Pseudaptinus* Laporte 1835: 56***P. cubanus* Chaudoir 1877: 252**Distribution.** Cuba, USA (FL)**Cuba localities.** Ci: Soledad**Collections.***P. deceptor* Darlington 1934: 128**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.). Flood debris**Collections.** Cambridge (type)*P. insularis* Mutchler 1934a: 4**Distribution.** Cuba, Puerto Rico, Trinidad, Brazil**Cuba localities.** Ci: Soledad**Collections.***P. salebrosus* Liebke 1934: 375**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Santa Clara, Cruces (t.l.)**Collections.** Liebke? (type)***Thalpius* LeConte 1851: 174***T. apicalis* (Darlington) 1934: 125**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type)*T. arrogans* Liebke 1934: 385**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Havana (t.l.)**Collections.** Liebke? (type)*T. bierigi* Liebke 1934: 387**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Havana (t.l.)**Collections.** Liebke? (type)*T. dorsalis* Brullé 1834: 181**Distribution.** Cuba, Jamaica, USA (wide-spread)**Cuba localities.****Collections.***T. marginicollis* (Darlington) 1934: 126 (*Pseudaptinus*): Mateu 1977: 378**Distribution.** Cuba, Hispaniola**Cuba localities.** CA: Baraguá. Ci: Soledad (t.l.). PR: Sierra de Rangel; Arroyo de los Guineos. SC: 6km ne Siboney. In flood debris, at lights; winged**Collections.** Gatineau. Bucharest? Cambridge (type)*T. pygmaeus* (Dejean) 1826: 460**Distribution.** Cuba, USA (LA-AR-SC-FL)**Cuba localities.****Collections.*****Zuphium* Latreille 1806: 198***Z. bierigi* Liebke 1933: 467**Distribution.** Cuba. Endemic**Cuba localities.** LT?: Lago de Canoa (t.l.)**Collections.** Liebke? (type)*Z. cubanum* Liebke 1933: 470**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Santa Clara; Cruces (t.l.)**Collections.** Liebke? (type)*Z. mexicanum* Chaudoir 1862: 314**Distribution.** Cuba, México, Costa Rica**Cuba localities.****Collections.**

## TRIBE GALERITINI

***Galerita* Fabricius 1801: 214***G. lecontei tenebricosa* (Klug) 1834: 65; Reichardt 1967: 36; Ball and Nimmo 1983: 318*G. vetula* Chevrolat 1863: 186; Gundlach 1891: 13**Distribution.** Cuba, Cayman Islands, Hispaniola, not Honduras**Cuba localities.****Collections.***G. ruficollis* Dejean 1825: 191; Reichardt 1967: 61*G. erthrodera* Brullé 1834b: 103; Jacquelin du Val 1856: 7; Chevrolat 1863: 186; Gundlach 1891: 13**Distribution.** Cuba, México to Panamá, Jamaica

**Cuba localities.** Ci: Soledad. SS: Trinidad Mts  
**Collections.** Cambridge

[*G. unicolor* Latreille & Dejean 1823: 117;  
Reichardt 1967: 106]

**Distribution.** Not Cuba (misabeled). South  
America

#### SUBFAMILY BRACHININAE

##### ***Brachinus* Weber 1801: 22**

*B. adustipennis* Erwin 1970: 81

*B. lateralis* Dejean, Jacquelin du Val 1856: 127;  
Chevrolat 1863: 187; Gundlach 1891: 13

**Distribution.** Cuba, México, Panamá, east-  
ern USA (including FL)

**Cuba localities.** Ci: Soledad. Ha: Camoa. M:  
Cárdenas. SC: Santiago de Cuba

**Collections.** Cambridge

*B. brunneus* Laporte 1835: 59

*B. gilvipes* Mannerheim, Gundlach 1891: 14

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
Virgin Islands, Costa Rica, French Guiana

**Cuba localities.** CA: Baraguá. M: Cárdenas.  
Colon

**Collections.** Cambridge

#### REFERENCES

- Allen, R.T. and G.E. Ball.** 1980 (1979). Synopsis of Mexican taxa of the *Loxandrus* series (Coleoptera: Carabidae: Pterostichini). Trans. Amer. Ent. Soc. 105: 481-576.
- Ball, G.E.** 1959. A taxonomic study of the North American Licinini with notes on the Old World species of the genus *Diplocheila* Brullé (Coleoptera). Mem. Amer. Ent. Soc. No. 16, 258 pp.
- Ball, G.E.** 1992a. Geographical distribution and evolution of the Selenophorini (Harpalini) and *Apenes* LeConte (Lebiini) in the Antilles (Coleoptera: Carabidae). pp 79-121. In: G.R. Noonan, G.E. Ball, and N.E. Stork (eds). The biogeography of ground beetles (Coleoptera: Carabidae) of mountains and islands. Intercept Ltd., Andover, Hants, UK.
- Ball, G.E.** 1992b. The tribe Licinini (Coleoptera: Carabidae); a review of the genus-groups and of the species of selected genera. J. New York Entomol. Soc. 100: 325-380.
- Ball, G.E. and S. McCleve.** 1990. The Middle American genera of the tribe Ozaenini, with notes about the species in southwestern United States and selected species in México. Quaest. Ent. 26: 30-116.
- Ball, G.E. and A.P. Nimmo.** 1983. Synopsis of the species of subgenus *Progaleritina* Jeannel, including reconstructed phylogeny and geographical history (Coleoptera: Carabidae: *Galerita* Fabricius). Trans. Amer. Ent. Soc. 109: 295-356.
- Ball, G. E., D. Shpeley, and D.C. Currie.** 1991. The New World genus *Stenomorphus* Dejean (Coleoptera: Carabidae: Harpalini); classification, allometry, and evolutionary considerations. Canadian Ent. 123: 933-988.
- Bell, R.T.** 1985. *Pentagonica* of the West Indies (Coleoptera: Carabidae). Coleop. Bull. 39: 321-327.
- Bousquet, Y.** 1996. Taxonomic revision of Nearctic, Mexican, and West Indian Oodini (Coleoptera: Carabidae). Canadian Ent. 128: 433-537.
- Bousquet, Y. and S. LaPlante.** 1997. Taxonomic review of the New World Pogonini (Coleoptera: Carabidae). Canadian Ent. 129: 699-731.
- Bosquet, Y. and A. Laroche.** 1993. Catalogue of the Geadephaga (Coleoptera: Trachypachidae, Rhysodidae, Carabidae including Cicindelini) of America north of México. Mem. Ent. Soc. Canada 167, 397 pp.
- Darlington, P.J., Jr.** 1934. New West Indian Carabidae, with a list of the Cuban species. Psyche 41: 66-131.
- Darlington, P.J., Jr.** 1937. West Indian Carabidae III: new species and records from Cuba, with a brief discussion of the mountain fauna. Memorias de la Sociedad Cubana de Historia Natural 'Felipe Poey' 11: 115-136.
- Darlington, P.J., Jr.** 1939. West Indian Carabidae. V. New forms from the Dominican Republic and Puerto Rico. Memorias de la Sociedad Cubana de Historia Natural 'Felipe Poey' 13: 79-101.
- Darlington, P.J., Jr.** 1941. West Indian Carabidae. VI. The Jamaican species, and their wings. Psyche 48: 10-15.
- Darlington, P. J., Jr.** 1953. West Indian Carabidae (IX). More about the Jamaican species. Occ. Pap. Mus. Institute Jamaica (Kingston) no. 8, 1-14.
- Erwin, T.L. and L.L. Sims.** 1984. Carabid beetles of the West Indies (Insecta: Coleoptera): a synopsis of the genera and checklists of tribes of Caraboidea, and of the West Indian species. Quaest. Ent. 20: 341-466.
- Freitag, R.** 1992. Biogeography of West Indies tiger beetles (Coleoptera, Cicindelidae), pp. 123-157. In: G.R. Noonan, G.E. Ball, and N.E. Stork

- (eds.). The biogeography of ground beetles of mountains and islands. Intercept Ltd., U.K.
- Gidaspow, T.** 1963. The genus *Calosoma* in Central America, the Antilles, and South America (Coleoptera, Carabidae). Bull. Amer. Mus. Nat. Hist. 124 (7): 275-314.
- Ivie, M. A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, Entomofauna Cubana. Order Coleoptera. Coleop. Bull. 45: 399-401.
- Liebherr, J.K.** 1987. A taxonomic revision of the West Indian *Platynus* beetles (Coleoptera: Carabidae). Trans. Amer. Ent. Soc. 112: 289-368.
- Liebherr, J. K.** 1988. Redefinition of the supertribe Odacanthitae, and revision of the West Indian Lachnophorini (Coleoptera: Carabidae). Quaest. Ent. 24: 1-24.
- Liebherr, J.K.** 1991. Phylogeny and revision of the *Anchomenus* clade: the genera *Tetraleucus*, *Anchomenus*, *Sericoda*, and *Elliptoleus* (Coleoptera; Carabidae; Platynini). Bull. Amer. Mus. Nat. Hist. 202: 1-163.
- Liebherr, J.K.** 1992. Phylogeny and revision of the *Platynus degallieri* species group (Coleoptera: Platynini). Bull. Amer. Mus. Nat. Hist. 214, 114 pp.
- Mateu, J.** 1977. Carabiques récoltés par les expéditions biospéologiques cubano-roumaines à Cuba (1969 et 1973). Resultats des expéditions biospéologiques Cubano-Roumaines à Cuba. 2: 376-379.
- Nichols, S. W.** 1988a. Systematics and biogeography of West Indian Scaritini (Coleoptera: Carabidae). Doctoral thesis, Cornell University. UMI Disserttion Services, Order no. 8804612, Ann Arbor, Michigan xiii + 193 pp.
- Nichols, S.W.** 1988b. Kaleidoscopic biogeography of West Indian Scaritinae (Coleoptera: Carabidae), pp. 71-120. In: Liebherr, J.K. (ed.). Zoogeography of Caribbean Insects. Cornell Univ. Press, Ithaca, NY.
- Peck, S.B., A.E. Ruiz-Baliú, and G.F. Garcés González.** 1998. The cave-inhabiting beetles of Cuba (Insecta: Coleoptera): diversity, distribution, and ecology. J. Cave Karst Studies 60: 156-166.
- Reichardt, H.** 1967. A monographic revision of the American Galeritini (Coleoptera, Carabidae). Arquivos de Zoologia (Sao Paulo) 15: 1-176.
- Reichardt, H.** 1977. A synopsis of the genera of Neotropical Carabidae (Insecta: Coleoptera). Quaest. Ent. 13: 346-493.
- Shpeley, D.** 1986. Genera of the subtribe Metallicina and classification, reconstructed phylogeny and geographical history of the species of *Euproctinus* Leng and Mutchler (Coleoptea: Carabidae: Lebiini). Quaest. Ent. 22: 261-349.
- Shpeley, D. and G.E. Ball.** 1993. Classification, reconstructed phylogeny, and geographical history of the New World species of *Coptodera* Dejean (Coleoptera: Carabidae; Lebiini). Proc. Ont. Ent. Soc. 124: 1-182.
- Shpeley, D. and G.E. Ball.** 2000. A taxonomic review of the subtribe Pericalina (Carabidae: Lebiini) in the Western Hemisphere, with descriptions of new species and notes about classification and zoogeography. Insecta Mundi 14: 1-185
- Thayer, M.K., F.F. Purrington.** 2004. *Bledius beattyi* Blackwelder (Coleoptera: Staphylinidae: Oxytelinae), new to the United States, and co-occurrences of some *Bledius* Leach and *Dyschiriodes* Jeannel (Coleoptera: Carabidae: Scaratinae) species in south Florida. Coleop. Bull. 589: 439-442.
- Valdés R., P.** 1999. Lista anotada de los escarabajos tigres (Coleoptera: Carabidae) de Cuba. Cocuyo 8: 13-14.

## 11. FAMILY GYRINIDAE

### The whirligig beetles

Adults are commonly seen swimming rapidly in circles on surfaces of ponds. They prey on organisms falling on the water surface. The genus *Gyretes* is nocturnal and species are hidden by day.

## SUBFAMILY GYRININAE

### TRIBE GYRININI

#### *Dineutus* Macleay 1825: 30

*D. americanus* (Linnaeus) 1767: 568; Spangler 1981: 147

*D. metallicus* Aubé, Chevrolat 1863: 203; Gundlach 1891:41

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola to Virgin Islands, USA (FL)

**Cuba localities.** Widespread

**Collections.** Cambridge. Washington

*D. longimanus* Olivier 1792: 11; Jacquelin du Val 1856: 30; Chevrolat 1863: 203; Gundlach 1891: 40; Spangler 1973: 353; 1981: 147

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Costa Rica. Cuban specimens are the subspecies *D. l. cubensis* Ochs 1926:87

**Cuba localities.** Widespread

**Collections.** Cambridge. Washington

TRIBE OREOTOCHILINI

**Gyretes Brullé 1834: 241**

*G. cubensis* Régimbart 1883: 392; Spangler 1981: 168

*G. vulneratus* Aubé 1838: 752; Chevrolat 1863: 203; Gundlach 1891: 41

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Arroyo la Talega. M: Cárdenas; Cienaga Zapata

**Collections.** Cambridge

*G. darlingtoni* Ochs 1938: 90; Spangler 1981: 168

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Sierra Imias (1-1300 m) (t.l.); upper Ovando River; SC: Cobre Range

**Collections.** Cambridge (type)

**Gyrinus Geoffroy 1862: 193**

*G. elevatus* LeConte 1868: 368; Spangler 1981: 147

*G. cubensis* Régimbart 1883: 151; synonymy by Spangler 1981: 147

**Distribution.** Cuba, USA (TX-FL)

**Cuba localities.** IJ: Laguna Base; Represa La Fé

**Collections.** Washington

*G. rugifer* Régimbart 1883: 179; Spangler 1973: 353  
? *G. lateralis* Aubé, Gundlach 1891: 42

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe

**Cuba localities.** Ci: Soledad.; San Blas. LV: Arroyo Vegas Grandes. SS: Buenos Aires. . VC: Mataguá

**Collections.** Cambridge. Washington

REFERENCES

**Spangler, P.J.** 1973. Aquatic Coleoptera collected by the Biospeological expeditions. Resultats des expeditions biospéologique Cubano-Roumaines à Cuba 1: 353-358.

**Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba 3: 145-171.

**12. FAMILY HALIPLIDAE**

The crawling water beetles

Haliplid beetles live among aquatic vegetation at the edges of ponds, lakes, and streams. The adults are slow moving, and the larvae feed by sucking on algal cells.

**Halipus Latreille 1802: 77**

*H. bierigi* Guignot 1936: 115; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Gr: Cauto El Cristo. Ha: Playa Marianao (t.l.)

**Collections.** Guignot (type)

*H. carinatus* Guignot 1936: 116; Spangler 1981: 146

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad Ha: Playa Marianao (t.l.). SC: Siboney

**Collections.** Guignot (type). Washington

*H. cubensis* Chapin 1930: 10; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*H. havanensis* Wehncke 1880: 74; Spangler 1981:

167. There is a note on specimens in Gainesville and Cambridge by F. Young; to the effect that *H. havaniensis* is a senior synonym of *H. confluentus* Roberts [USA:SC to FL & Keys]

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

*H. nanus* Guignot 1936: 115; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Guignot (type)

*H. tumidus* LeConte 1880: 166; Spangler 1981: 146

**Distribution.** Cuba, Bahamas (Cat. Island); USA (TX)

**Cuba localities.** Ho: Arroyo Jarahueca; Mayari Arriba

**Collections.** Washington

**Peltodytes Régimbart 1878: 450**

*P. darlingtoni* Young 1961: 221; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Candelaria (t.l.)

**Collections.** Cambridge (type)

REFERENCE

**Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba 3: 145-171.

**13. FAMILY TRACHYPACHIDAE**

These beetles live in the Holarctic region and southern South America.

**14. FAMILY NOTERIDAE**

The burrowing water beetles



This family inhabits shallow margins of stagnant or slow-running pools or streams. The larvae live in mud and feed on algae.

#### SUBFAMILY NOTERINAE

##### *Hydrocanthus* Say 1825: 105

*H. advena* Sharp 1882: 281; Young, 1985: 96

*H. iricolor* Say 1825: 105; Spangler 1981: 148

**Distribution.** Cuba, Hispaniola, Puerto Rico, Guadeloupe, widespread eastern USA.

**Cuba localities.** Gu: Arroyo Landivar at Finca Pozon. IJ: Laguna, Represa La Fé. PR: Viñales

**Collections.** Washington

*H. oblongus* Sharp 1882: 280; Spangler 1981: 167; Young 1985: 97

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** Ci: Soledad. PR: Candelaria

**Collections.** Cambridge

##### *Mesonoterus* Sharp 1882: 4

*M. laevicollis* Sharp 1882a: 4; Spangler 1981: 148

**Distribution.** Cuba, Hispaniola, Puerto Rico, Virgin Islands, México to Panamá, Ecuador, Brazil

**Cuba localities.** Ci: Soledad. Gu: Arroyo Landivar at Finca Pozon. IJ: Laguna; Represa La Fé

**Collections.** Washington

##### *Notomicrus* Sharp 1882: 260

*N. sharpi* Balfour-Browne 1939: 98; Spangler 1981: 148 (replacement name for *N. politus* Sharp.)

**Distribution.** Cuba, Bahamas, Jamaica, Puerto Rico, Dominican Republic, Virgin Islands, México to Costa Rica, Trinidad, Ecuador, USA (FL)

**Cuba localities.** Ca: Estacion Experimental Club Azucarero. Gu: Arroyo Jarahueca at Mayari Arribab; Rio Ceiba. IJ: Laguna Base. PR: Quemado de Pineda

**Collections.** Washington

##### *Pronoterus* Sharp 1882: 263

*P. addendus* (Blatchley) 1920: 261; Spangler 1981: 167

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ci: Soledad

**Collections.** Cambridge (labeled *P. punctipennis* Sharp, F. Young)

##### *Suphis* Aubé 1836: 209

*S. inflatus* (LeConte) 1863: 22; Young 1954: 126

**Distribution.** Cuba, Hispaniola, Bahamas (Cat Island), USA (SC-FL-LA)

**Cuba localities.** M: Playa Larga; Palpite

**Collections.** Washington

##### *Suphisellus* Crotch 1873: 187

*S. binotatus* (Fleutiaux & Sallé) 1889: 398; Spangler 1981: 149

**Distribution.** Cuba, Hispaniola, Guadeloupe

**Cuba localities.** Ci: Soledad. IJ: Laguna

**Collections.** Washington

*S. insularis* Sharp 1882: 270; Spangler 1981: 167

**Distribution.** Cuba, Hispaniola, Puerto Rico, México, USA (FL)

**Cuba localities.** Ci: Soledad

**Collections.**

*S. nigrinus* (Aubé) 1838: 411; Spangler 1981: 149

**Distribution.** Cuba, Guadeloupe, Colombia, Brazil, Argentina, Paraguay

**Cuba localities.** Gu: Arroyo Landivar at Finca Pozon. IJ: Laguna

**Collections.** Washington

*S. tenuicornis* (Chevrolat) 1863: 199 (*Hydrocanthus*); Spangler 1981: 149

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Arroyo Landivar at Finca Pozon

**Collections.** Washington

#### REFERENCES

- Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba 3: 145-171.
- Young, F.** 1985. A key to the American species of *Hydrocanthus* Say, with descriptions of new taxa (Coleoptera: Noteridae). Proc. Acad. Nat. Sci. Philadelphia 137: 90-98.

#### 15. FAMILY AMPHIZOIDAE

These beetles occur in northwestern North America, and Tibet. They crawl on submerged rocks, logs, and vegetation, and are presumed predators.

#### 16. FAMILY HYGROBIIDAE

These occur in Europe, China, and Australia. They are predacious bottom dwellers in muddy stagnant water.

#### 17. FAMILY DYTISCIDAE

The predacious diving beetles

This family of predaceous water beetles lives in a variety of aquatic habitats, especially lakes

and ponds. Both adults and larvae are good swimmers and active predators.

#### SUBFAMILY COPELATINAE

##### *Copelatus* Erichson 1832: 18

[*C. anastomosans* Guignot 1952: 30. (Rev. Fr. Ent. 19: 17-31)]

**Distribution.** Brazil (t.l.). Cuba record needs verification

**Cuba localities.** No locality data with description

**Collections.**

*C. barboursi* Young 1942: 88; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Mts. n of Imias (3-4000') (t.l.)

**Collections.** Cambridge (type)

*C. caelatipennis angustatus* Chevrolat 1863: 201; Young 1963: 62, 73; Spangler 1981: 153

*C. angustatus* Chevrolat; Gundlach 1891: 37 (placed as a subspecies by Young, 1963)

**Distribution.** Cuba; other subspecies in Bahamas, Central and South America, USA

**Cuba localities.** Ci: Soledad. Gu: Matias

**Collections.** Washington

*C. cubaensis* Schaeffer 1908: 18; Young 1963: 75

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ci: Cayamas (t.l.). Soledad

**Collections.** Washington (type)

*C. darlingtoni* Young 1942: 87; Young 1942: 87; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Rangel Mts. (t.l.), 1500'

**Collections.** Cambridge (type). Washington

*C. glyphicus* Say 1825a: 99; Young 1963: 62; Spangler 1981: 167

*C. decemstriatus* Aubé 1838: 374

**Distribution.** Cuba, Guadeloupe, Central America, USA (CA-NY-FL)

**Cuba localities.**

**Collections.**

*C. insolitus* Chevrolat 1863: 201; Gundlach 1891: 37; Young 1942: 83; Spangler 1981: 153

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Gr: Bayamo. SC: Cabezada de Rio Baconao; Loma del Gato; Gran Piedra, 2000-3000'

**Collections.** Washington

*C. montivagus* Young 1942: 89; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: upper Ovando River (300-600 m). SC: Pico Turquino (500 m)

**Collections.** Cambridge. Washington

*C. posticatus* (Fabricius) 1801: 268; Chevrolat 1863: 200; Gundlach 1891: 36; Spangler 1981: 153

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, Central and South America

**Cuba localities.** Ci: Soledad. Gu: Rio Baracoa at Tinta; upper Ovando River (300-600 m). PR: Entronque de Manuel Sanguili; Hoyo de Fania; Quemado de Pineda. SS: Buenos Aires (1000 m)

**Collections.** Washington

#### SUBFAMILY LACCOPHILINAE

##### *Laccodytes* Régimbart 1895: 345

*L. pumilio* (LeConte) 1878: 596; Spangler 1981: 150

**Distribution.** Cuba, Hispaniola, USA (FL)

**Cuba localities.** IJ: Laguna. CA: Baraguá

**Collections.** Washington

##### *Laccophilus* Leach 1818: 69

*L. bifasciatus* Chevrolat 1863: 200; Gundlach 1891: 35; Spangler 1973: 354; 1981: 150

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Gu: Cabezas de Rio Indio; Arroyo de la Poa at Sabonilla; Arroyo de la Idalia, Gran Piedra.; Yunque de Baracoa (300-600 m); upper Ovando River. SC: Pico Turquino. (3000 m); Loma del Gato (1000 m)

**Collections.** Washington

*L. gentilis suavis* Sharp 1882: 13; Zimmerman 1970: 229; Spangler 1981: 150

**Distribution.** Cuba, Hispaniola, México to Panamá, Bahamas. *L. g. gentilis* LeConte is in USA (FL)

**Cuba localities.** CA: Baraguá. Ci: Cayamas. Gu: Arroyo de los Berros; Laguna la Chanco Redondo

**Collections.** Washington

*L. ovatus zapotecus* Zimmermann 1970: 231; Spangler 1981: 150

**Distribution.** Cuba, México to Panamá (nominated subspecies in SA)

**Cuba localities.** IJ: Laguna; Represa de la Fé. PR: Hoyo de Fania

**Collections.** Washington

*L. proximus* Say 1823: 101; Chevrolat 1863: 149; Gundlach 1891: 35; Zimmerman 1970: 91; Spangler 1973: 353; 1981: 149

*L. americanus* Aubé; Jacquelin du Val 1856: 27

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, Virgin Islands, Barbados, México, USA (FL and widespread to Canada)



**Cuba localities.** Widespread

**Collections.** Washington

*L. quadrivittatus* Aubé 1838: 428

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Ci: Soledad. Gu: Baracoa

**Collections.** Gainesville

*L. vacaensis* Young 1953: 31; Zimmerman 1970: 158

**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, México, Guatemala, USA (AZ-TX-FL)

**Cuba localities.** SC: Vista Alegre

**Collections.** Washington

*L. venustus* Chevrolat 1863: 200; Gundlach 1891: 35; Spangler 1973: 354; 1981: 150

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad; San Blas. LV:

Arroyo Vegas Grandes; Rio Caburny. PR:

Quemado de Pineda; Sierra de Rangel. Gu:

Cueva Jibera; Pozo Caliente; Sierra de Imias;

upper Ovando River. SC: Daiquiri. SS: Buenos

Aires. VC: Hanabanillo Falls

**Collections.** Washington

#### SUBFAMILY HYDROPORINAE

##### TRIBE VATELLINI

#### *Derovatellus* Sharp 1882: 286

*D. lentus* (Wehncke) 1876: 357; Spangler 1981: 151

**Distribution.** Cuba, Hispaniola, Jamaica, Trinidad, South America, USA (FL)

**Cuba localities.** CA: Cueva de los Lagos

**Collections.** Washington

##### TRIBEMETHLINI

#### *Celina* Aubé 1836: 219

*C. angustata* Aubé 1838: 447; Young 1979: 823

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

*C. cubensis* Guignot 1947: 222; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Rio Almendares. (t.l.)

**Collections.** Guignot (type). Washington

*C. grossula* (LeConte) 1863: 22; Young 1979: 821; Spangler 1981: 167

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ci: Soledad

**Collections.**

*C. imitatrix* Young 1979: 824

**Distribution.** Cuba, USA (TX-IN-VA-FL)

**Cuba localities.** Ci: Soledad. CA: Baraguá

**Collections.** Cambridge. Washington

*C. palustris* Young 1979: 830

**Distribution.** Cuba, USA (AL, NC, FL)

**Cuba localities.** Ci: Soledad (the record is based on 1 female)

**Collections.** Cambridge

*C. slossoni* Mutchler 1918: 85; Young 1979: 823

**Distribution.** Cuba, Mexico, USA (FL-AR-MD)

**Cuba localities.**

**Collections.**

##### TRIBE HYDROVATINI

#### *Hydrovatus* Motschulsky 1855: 82

*H. horni* Crotch 1873: 378; Spangler and Vega 1982: 37

**Distribution.** Cuba, México, Guatemala, USA (TX)

**Cuba localities.** PR: Viñales

**Collections.** Havana. Washington

*H. pustulatus compressus* Sharp 1882: 324; Spangler 1981: 151

**Distribution.** Cuba, Dominica, USA (FL)

**Cuba localities.** SC: Laguna de Juragua

**Collections.** Washington

##### TRIBE HYPHYDRINI

#### *Desmopachria* Babington 1841: 18. See Young 1980 for subgenera.

*D. aspera* Young 1981: 4

**Distribution.** Cuba, Bahamas, USA (AL?, FL)

**Cuba localities.** CA: Baraguá. Ci: Soledad

**Collections.** Cambridge. Gainesville. New York. San Francisco. Washington

["*D. cuspidatus* Kunze": Gundlach 1891: 34; in lagoons at Cárdenas and Trinidad; Gundlach no. 567; species identity not known]

*D. darlingtoni* Young 1989: 307

**Distribution.** Cuba, Jamaica, Hispaniola, Colombia

**Cuba localities.** Gu: Baracoa

**Collections.** Cambridge

*D. glabella* Young 1981: 7

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Laguna Base (t.l.)

**Collections.** Washington (type)

(*D. striola* Sharp 1887: 752; Young 1990b: 226.)

**Distribution.** Widespread South and Central America, and USA (FL including Keys)

**Cuba localities.**

**Collections.**

*D. tarda* Spangler 1973: 354; Spangler 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Cabezadas de Rio Indio; Gran Piedra (t.l.)  
**Collections.** Cambridge. Gainesville. Washington (type)

***Pachydrus* Sharp 1882: 338**

*P. obniger* (Chevrolat) 1863: 199 (*Hyphydrus*); Gundlach 1891: 33; Spangler 1981: 168  
**Distribution.** Cuba, Bahamas, Puerto Rico, USA (FL)  
**Cuba localities.** Ci: Soledad (as *P. princeps* Blatchley)  
**Collections.** Cambridge

TRIBE BIDESSINI

***Anodocheilus* Babington 1838: 132**

*A. exiguus* (Aubé) 1838: 490; Young 1974: 10; Spangler 1981: 152  
**Distribution.** Cuba, USA (TX-FL)  
**Cuba localities.** Ho: Arroyo Landivar at Finca Pozon. PR: Quemada de Pineda. SC: Laguna de Juragua  
**Collections.** Washington

***Bidessonotus* Régimbart 1895: 331**

*B. browneanus* Balfour-Browne 1947: 441; Spangler 1981: 152; Young 1990a: 376  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico  
**Cuba localities.** Widespread  
**Collections.** Washington  
*B. caraibus* (Chevrolat) 1863: 199 (*Hydroporus*); Gundlach 1891: 34; Spangler 1981: 167; Young 1990: 360 (indicating possible conspecificity with *B. pulicarius* (Aubé))  
**Distribution.** Cuba, Belize, USA (FL?)  
**Cuba localities.** Ci: Cayamas. M: Zapata Swamp  
**Collections.** Washington  
*B. fallax* Balfour-Browne 1947: 429; Young 1990: 373  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Zapata Swamp. PR: Pinar del Rio. Ha: Havana. Ci: Cayamas (t.l.)  
**Collections.** Washington (type)

***Brachyvatus* Zimmermann 1919: 134**

*B. apicatus* (Clark) 1862: 184; Spangler 1981: 152  
**Distribution.** Cuba, Hispaniola, México, Central America, USA (FL)  
**Cuba localities.**  
**Collections.**

***Liodesus* Guignot 1939: 53**

*L. affinis* (Say) 1823: 104; Spangler 1981: 152  
**Distribution.** Cuba, Bahamas, North, Central and South America  
**Cuba localities.** Ho: Pinares de Mayari  
**Collections.** Washington

***Neobidessus* Young 1967: 79**

*N. pullus floridanus* (Fall) 1917: 168; Spangler 1981: 152  
**Distribution.** Cuba, Hispaniola?, Jamaica?, Bahamas, USA (FL). Notes: Nominate subspecies from western FL to México  
**Cuba localities.** IJ: Laguna  
**Collections.** Washington

SUBFAMILY COLYMBETINAE

TRIBE COLYMBETINI

***Rhantus* Boisduval and Lacordaire 1835: 309**

*R. calidus* (Fabricius) 1792: 193 (*Dytiscus*); Chevrolat 1863: 200 (*Colymbetes*); Gundlach 1891: 36; Spangler 1981: 168  
**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, México, Central and South America, Lesser Antilles, USA (NY-TX-FL)  
**Cuba localities.** Gu: upper Ovando River. M: Cárdenas; Cienaga de Zapata. PR: Candelaria. SS: Buenos Aires  
**Collections.** Cambridge

SUBFAMILY DYTISCINAE

TRIBE HYDATICINI

***Hydaticus* Leach 1817: 69**

*H. bimarginatus* (Say) 1834: 442  
**Distribution.** Cuba, Bahamas, USA (TX-AR-NY-FL)  
**Cuba localities.** Ci: Soledad. CA: Baraguá. Gr: Cauto El Cristo  
**Collections.** Cambridge  
*H. riehli* Wehncke 1876: 195; Spangler 1981: 167  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*H. rimosus* Aubé 1838: 182; Chevrolat 1863: 202; Gundlach 1891: 40; Spangler 1981: 167  
**Distribution.** Cuba, México, Hispaniola, Central America, Guadeloupe  
**Cuba localities.** CA: Baraguá. Gr: Cauto El Cristo. Gu: upper Ovando River. M: Cárdenas. PR: Rangel Mts. SS: Buenos Aires  
**Collections.** Cambridge

## TRIBE ACILIINI

***Thermonectus* Dejean 1833: 53**

- T. basillaris* (Harris) 1829: 1; Spangler 1981: 154  
*Acilius incisus* Aubé, Gundlach 1891: 39  
**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, México, Guatemala, Lesser Antilles, South America, USA (CA- OK-NY-FL)  
**Cuba localities.** Ci: Soledad. Ha: Havana. IJ: Laguna. M: Cárdenas; Cienaga de Zapata. PR: Candelaria  
**Collections.** Washington
- T. circumscriptus* (Latreille) 1809: 223 (*Acilius*); Jacquelin du Val 1856: 27; Chevrolat 1863: 202; Gundlach 1891: 38; Spangler 1981: 154  
*Hydaticus insularis* Laporte 1834: 96  
*Hydaticus havaniensis* Laporte 1834: 96  
**Distribution.** Cuba, Bahamas, Jamaica, Puerto Rico, Lesser Antilles, México to Brazil  
**Cuba localities.** Widespread  
**Collections.** Washington
- T. marginoguttatus* Aubé 1838: 149; Gundlach 1891: 39; Spangler 1981: 154  
**Distribution.** Cuba, Hispaniola, Puerto Rico, México to Brazil, Lesser Antilles, South America  
**Cuba localities.** CA: Baraguá. Ci: Soledad. Gr: Cauto El Cristo. .M: Cárdenas; Cienaga de Zapata  
**Collections.** Washington

## TRIBE CYBISTRINI

***Cybister* Curtis 1827: 151**

- C. occidentalis* Aubé 1838: 67; Jacquelin du Val 1856: 26; Chevrolat 1863: 202; Gundlach 1891: 38; Spangler 1981: 154  
*C. laevigatus* Fabricius, Gundlach 1891: 38.  
**Distribution.** Cuba, Bahamas, USA (FL)  
**Cuba localities.** Ci: Soledad Ha: Havana. SS: Buenos Aires; Trinidad Mts  
**Collections.** Washington

***Megadytes* Sharp 1882: 704**

- M. fraternus* Sharp 1882b: 708; Spangler 1981: 154  
**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, Guatemala, Panamá, Lesser Antilles, USA (FL)  
**Cuba localities.** IJ: La Fé  
**Collections.** Washington
- M. gigantea* Laporte 1835: 99; Spangler 1981: 154

*Cybister lherminieri* Guérin, Jacquelin du Val 1856: 25; Chevrolat 1863: 201; Gundlach 1891: 37

**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, México to Argentina, Lesser Antilles

**Cuba localities.** Ci: Soledad

**Collections.** Washington

## REFERENCES

- Note:** The extensive bibliography of Spangler (1981) is not repeated here and should be consulted for additional sources.
- Spangler, P.J.** 1973. Aquatic Coleoptera collected by the biospeleological expeditions to Cuba by the Academies of Science of Cuba and Romania. Résultats des expéditions biospéologiques Cubano-Roumaines à Cuba 1: 353-358.
- Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Résultats des expéditions biospéologiques Cubano-Roumaines à Cuba 3: 145-171.
- Spangler, P.J. and A. Vega.** 1982. First record of *Hydrovatus horni* Crotch from the Antilles with notes on its known distribution and status (Coleoptera: Dytiscidae). Ent. News 93: 37-41.
- Young, F.N.** 1974. Review of the predaceous water beetles of genus *Anodocheilus* (Coleoptera: Dytiscidae: Hydroporinae). Occ. Pap. Mus. Zool. Univ. Michigan 670, 28 pp.
- Young, F.** 1979. A key to the Nearctic species of *Celina* with descriptions of new species (Coleoptera, Dytiscidae). J. Kansas Ent. Soc. 52: 820-830.
- Young, F.** 1980. Predaceous water beetles of the genus *Desmopachria* Babington: the subgenera with descriptions of new taxa (Coleoptera: Dytiscidae). Rev. Biol Trop. 28: 305-321.
- Young, F.N.** 1981. Predaceous water beetles of the genus *Desmopachria*: the *convexa-grana* group (Coleoptera: Dytiscidae). Occ. Pap. Florida St. Colln. Arthrop. 2: 1-9.
- Young, F. N.** 1989. A new species of *Desmopachria* (s.str.) from the Antillean-Caribbean region (Coleoptera: Dytiscidae). Psyche 96: 307-309.
- Young, F. N.** 1990a. A review of classification of the water beetles of the New World genus *Bidessonotus* Régimbart (Coleoptera: Dytiscidae: Hydroporinae: Bidessini). Quaest. Ent. 26: 355-381.
- Young, F. N.** 1990b. Predaceous water beetles of the genus *Desmopachria* Babington: the sub-

genus *Pachriostrix* Guignot (Coleoptera: Dytiscidae). Coleop. Bull. 44: 224-228.

**Zimmerman, J. R.** 1970. A taxonomic revision of the beetle genus *Laccophilus* (Dytiscidae) of North America. Mem. Amer. Ent. Soc. 26: 1-275.

**SUBORDER POLYPHAGA  
SERIES STAPHYLINIFORMIA  
SUPERFAMILY HYDROPHILOIDEA**

**18. FAMILY HYDROPHILIDAE**

The water scavenger beetles

These occur either in water or in moist habitats. The larvae are usually predators while the adults feed on decomposing plant matter.

**SUBFAMILY HYDROCHINAE**

***Hydrochus* Leach 1817: 190**

*H. naraini* Makhan 1993: 67

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba." A specimen previously labeled as *H. pallipes* Chevrolat

**Collections.** Budapest (type)

*H. pallipes* Chevrolat 1863: 207; Gundlach 1891: 49; Spangler 1981: 155

**Distribution.** Cuba, Hispaniola, Puerto Rico

**Cuba localities.** IJ: Represa La Fé

**Collections.** Washington

*H. rugosus* Mulsant 1844: 373; Spangler 1981: 168

**Distribution.** Cuba, USA (MA-FL)

**Cuba localities.**

**Collections.** Washington

*H. tarsalis* Chevrolat 1863: 207; Gundlach 1891: 48; Spangler 1981: 155

**Distribution.** Cuba, Colombia?

**Cuba localities.** Ci: Soledad. IJ: La Fé; Laguna. M: Cárdenas. Gr: Cauto El Cristo. Ho: Arroyo Landivar at Finca Pozon; El Cayo at Boire. PR: Candelaria; Quemado de Pineda. SC: Arroyo Colorado

**Collections.** Washington

**SUBFAMILY HYDROPHILINAE  
TRIBE BEROSINI**

***Berosus* Leach 1817: 92**

*B. chevrolati* Zaitzev 1908: 358 (replacement name for *B. aculeatus* Chevrolat); Spangler 1981: 168

*B. aculeatus* Chevrolat 1863: 207 (not LeConte)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread. See Spangler 1981: 155 for localities

**Collections.** Washington

*B. exigus* (Say) 1825: 189; Van Tassell 1966: 149

**Distribution.** Cuba, Bahamas, widespread USA

**Cuba localities.** Gu: Guantanamo. PR: Pinar del Rio

**Collections.** New York?

*B. peregrinus* (Herbst) 1797: 314; Van Tassell 1966: 163.

**Distribution.** Cuba, widespread USA

**Cuba localities.** PR: Pinar del Rio

**Collections.** New York?

*B. quadridens* Chevrolat 1863: 206; Gundlach 1891: 47; Spangler 1981: 156

**Distribution.** Cuba, México, Central America

**Cuba localities.** Ci: Soledad. Ho: Arroyo Landivar at Finca Pozon. IJ: Laguna. M: Cárdenas

**Collections.** New York, Washington

*B. stribalus* d'Orchymont 1946: 13; Spangler 1981: 156

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.** Ho: Arroyo Landivar at Finca Pozon; Matias. IJ: Laguna. PR: Manuel Sanguili

**Collections.** Washington

*B. trilobus* Chevrolat 1863: 207; Gundlach 1891: 47; Spangler 1973: 354; 1981: 156

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Washington

*B. undatus* (Fabricius) 1792: 185; Spangler 1981: 156

**Distribution.** Cuba, México

**Cuba localities.** Ho: La Aguada. SC: Laguna de Juroqua; Siboney

**Collections.** Washington

***Derallus* Sharp 1882: 77**

*D. altus* (LeConte) 1855: 366; Van Tassell 1966: 282

**Distribution.** Cuba, Dominican Republic, Puerto Rico, USA (TX-NJ-FL)

**Cuba localities.** PR: Pinar del Rio

**Collections.** New York?

*D. rudis* Sharp 1887: 765; Spangler 1981: 168

**Distribution.** Cuba, México, Brazil, Argentina, Guadeloupe

**Cuba localities.**

**Collections.**



## TRIBE ANACAENINI

**Anacaena Thomson 1859: 18**

*A. debilis* (Sharp) 1882: 66; Spangler 1973: 356; 1981: 160

**Distribution.** Cuba, México to Argentina

**Cuba localities.** Gu: Arroyo de la Poa at Sabonilla; Baracoa; El Cayo at Baire; Rio Contramaestra at Pozo Caliente. Ho: Pinares de Mayari. IJ: Arroyo Talega. LV: Arroyo Vegas Grandes

**Collections.** Washington

**Paracymus Thomson 1867: 119 (see key to West Indian species in Wooldridge 1971)**

*P. acutipennis* Wooldridge 1971: 400; Spangler 1973: 356; 1981: 160

**Distribution.** Cuba. Endemic

**Cuba localities.** Type locality not specified, possibly Lago Aquianaba. IJ: La Fé, Laguna

**Collections.** Cambridge (type). Washington

*P. confusus* Wooldridge 1966: 719; Spangler 1981: 158

**Distribution.** Cuba, Bahamas, México, USA (SC-FL)

**Cuba localities.** IJ: Laguna. Ho: Arroyo Landivar at Finca Pozon. SC: Arroyo Colorado; Arroyo de los Berros, Laguna Charco Redondo; El Cayo at Baire; Loma da Bandeca, Mayari Abajo

**Collections.** Washington

*P. delatus* Wooldridge 1971: 401; Spangler 1981: 159

**Distribution.** Cuba, Puerto Rico, Virgin Islands, Dominica

**Cuba localities.** SC: Mayari Abajo; Matias; Pinares de Mayari

**Collections.** Washington

*P. indigenus* Wooldridge 1969: 419; Spangler 1981: 159

**Distribution.** Cuba, México to Costa Rica

**Cuba localities.** Ha: Laguna Ariguanabo. Ho: Arroyo Landivar. Gu: Baracoa at Tinta, Rio San Juan. IJ: La Fé, Laguna. PR: Quemado de Pineda

**Collections.** Washington

*P. lodingi* (Fall) 1910: 98; Spangler 1981: 159

**Distribution.** Cuba, Bahamas, México, USA (AL-FL)

**Cuba localities.** Ha: Laguna de Ariguanabo. IJ: La Fé, Laguna. PR: Quemado de Pineda

**Collections.** Washington

## TRIBE LACCOBIINI

**Laccobius Erichson 1837: 202**

*H. (Laccophilus) antillensis* Spangler 1968: 752; 1981: 160

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.** Ci: Soledad. SC: Rio Contramaestra at Pozo Caliente; Rio Mogote at Matias

**Collections.** Washington

TRIBE HYDROPHILINI  
SUBTRIBE ACIDOCERINA**Enochrus Hope 1859: 18**

*E. aequalis* (Sharp) 1882: 68; Spangler 1973: 355; 1981: 157

**Distribution.** Cuba, Lesser Antilles, México to Nicaragua

**Cuba localities.** Widespread

**Collections.** Washington

*E. ochraceus* (Melsheimer) 1844: 101; Spangler 1981: 157

*E. coriaceus* (Chevrolat) 1863: 206 (*Phylhydrus*); Gundlach 1891: 47

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, México, Central America, widespread USA.

**Cuba localities.** IJ: La Fé; Laguna

**Collections.** "Cuba" in Cambridge. Washington

*E. pseudochraceus* Gunderson 1977: 256; Spangler 1981: 157

**Distribution.** Cuba, widespread West Indies, México, Central America to west coast of South America

**Cuba localities.** IJ: Laguna. Ho: Arroyo Jarahueca at Mayari Arriba; Arroyo Landivar at Finca Pozon. PR: Quemado de Pineda

**Collections.** Washington

*E. pygmaeus* (Fabricius) 1792: 186; Spangler 1981: 157

**Distribution.** Cuba, Bahamas, México, USA (CA-FL)

**Cuba localities.** Ho: Arroyo Jarahueca at Mayari Arriba; Rio Contramaestra; Rio Mogote at Matias

**Collections.** Washington

*E. sagrae* Knirsh 1924: 214 (replacement name for *Philhydrus melanocephalus* Olivier); Spangler 1981: 168

*Philhydrus melanocephalus* Olivier 1792: 121, Jacquelin du Val 1856: 53; Gundlach 1891: 46



**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

***Helobata* Bergroth 1882: 221**

*H. striata* Brullé 1841: 58; Spangler 1981: 168  
**Distribution.** Cuba, Bahamas, México to Brazil, se USA  
**Cuba localities.**  
**Collections.**

***Helochares* Mulsant 1844: 197**

*H. abbreviata* (Fabricius) 1801: 251; Spangler 1981: 158  
**Distribution.** Cuba, Virgin Islands, Lesser Antilles, México to Argentina  
**Cuba localities.** IJ: Laguna  
**Collections.** Washington

SUBTRIBE HYDROPHILINA

***Hydrobiomorpha* Blackburn 1888: 814**

*H. media* (Brullé) 1837: 54 (*Hydrous*); Spangler 1981: 168  
*Hydrous tenebroides* Jacquelin du Val 1856: 50; Gundlach 1891: 46  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

***Hydrophilus* Geoffroy 1862: 180**

*H. (Dibolocelus) smaragdinus* Brullé 1837: 54; Spangler 1981: 168 (as *Dibolocelus*)  
**Distribution.** Cuba, México, South America  
**Cuba localities.**  
**Collections.**  
*H. (H.) ater* Olivier 1792: 125  
*H. a. intermedius* Jacquelin du Val 1856: 48; Chevrolat 1863: 204; Gundlach 1891: 43; Spangler 1981: 168  
*H. picicornis* Chevrolat, Gundlach 1891: 44  
*H. violaceo-nitans* Jacquelin du Val 1856: 49; Chevrolat 1863: 205; Gundlach 1891: 44  
**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Lucia  
**Cuba localities.** Widespread  
**Collections.** Carnegie  
*H. (H.) insularis* Laporte 1840: 50; Jacquelin du Val 1856: 47; Chevrolat 1863: 204; Gundlach 1891: 43; Spangler 1981: 168  
**Distribution.** Cuba, Bahamas, Puerto Rico, Central America, USA (FL)  
**Cuba localities.**  
**Collections.**

***Tropisternus* Solier 1834: 302**

*T. apicalpis* Chevrolat 1834: 54; Spangler 1981: 168  
**Distribution.** Cuba, México to Brazil, Lesser Antilles.  
**Cuba localities.**  
**Collections.**  
*T. chalybeus* Laporte 1840: 53; Spangler 1981: 168  
*T. blandus* Chevrolat 1863: 205; Gundlach 1891: 45  
**Distribution.** Cuba, Puerto Rico, México to Brazil, Lesser Antilles  
**Cuba localities.** M: Cárdenas  
**Collections.**  
*T. collaris* (Fabricius) 1775: 229; Jacquelin du Val 1856: 53; Chevrolat 1863: 205; Gundlach 1891: 45; Spangler 1981: 161  
*T. collaris proximus* Sharp 1883: 97; Spangler 1981: 161. Cuban endemic subspecies  
**Distribution.** Cuba, Hispaniola, Puerto Rico, México to Brazil  
**Cuba localities.** SC: Arroyo Colorado; Laguna de Juragua  
**Collections.**  
*T. lateralis* (Fabricius) 1775: 228; Jacquelin du Val 1856: 52; Chevrolat 1863: 205; Gundlach 1891: 45; Spangler 1981: 160  
**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, Virgin Islands, Monserrat, México to Argentina, widespread e USA. Two subspecies are named: *T. l. lateralis* and *T. l. nimbatis* (Say)  
**Cuba localities.** Widespread. See Spangler 1981: 160 for localities  
**Collections.** Washington  
*T. mergus* (Say) 1835: 171; Spangler 1981: 161  
**Distribution.** Cuba, México to Argentina  
**Cuba localities.** Gu: Baracoa at Tinta. PR: Hoyo de Fania; Quemado de Pineda  
**Collections.** Washington  
(*T. quadristriatus* Horn 1871: 331)  
**Distribution.** Cuba, Grand Cayman, Bahamas, México, USA (MA-FL)  
**Cuba localities.** A brackish water species  
**Collections.** Washington

SUBFAMILY SPHAERIDIINAE

These beetles live in terrestrial habitats, usually in very wet decaying organic matter. Smetana (1978, 1984) revised the North American fauna. The genera *Pelosoma* (Spheridiini), *Omicrus* and *Aculomicrus* (Omicrini) occur in Florida and/or the

West Indies and are to be expected in Cuba (Smetana 1975, 1984).

TRIBE COELOSTOMATINI

***Dactylosternum* Wollaston 1854: 99**

*D. abdominale* (Fabricius) 1792: 99; Spangler 1981: 168

**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, México, Central America, s USA (CA-FL)

**Cuba localities.** IJ: Nueva Gerona. Probably widespread in moist decaying plant matter.

**Collections.** Carnegie

*D. flavicorne* (Mulsant) 1844: 174 (*Cyclonotum*); Jacquelin du Val 1856: 53; Chevrolat 1863: 208; Gundlach 1891: 49; Spangler 1981: 168

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.**

**Collections.**

*D. picicorne* Mulsant 1844: 175; Spangler 1981: 168

**Distribution.** Cuba, Jamaica, Puerto Rico

**Cuba localities.**

**Collections.**

*D. subdepressum* Laporte 1840: 58; Spangler 1981: 168

**Distribution.** Cuba, widespread tropical America

**Cuba localities.**

**Collections.**

***Phaenonotum* Sharp 1882: 97**

*P. exstriatum* (Say) 1835: 171; Spangler 1981: 161

**Distribution.** Cuba, Jamaica, Puerto Rico, Lesser Antilles, México to Brazil, USA (widespread)

**Cuba localities.** SC: Pedrera de la Waren

**Collections.**

(*P. minor* Smetana 1978: 20)

**Distribution.** USA (AL-FL)

**Cuba localities.**

**Collections.**

TRIBE MEGASTERINI

***Cercyon* Leach 1817: 95**

*C. insulare* Chevrolat 1863: 208; Gundlach 1891: 50; Spangler 1981: 168

**Distribution.** Cuba. Endemic?

**Cuba localities.**

**Collections.**

*C. praetextus* Say 1825: 190; Spangler 1981: 161

*C. centrimaculatum* Sturm, Gundlach 1891: 50

**Distribution.** Cuba, Jamaica, Bahamas, Hispaniola, West Indies, México, widespread USA

**Cuba localities.** Ha: Laguna de Ariguanabo

**Collections.** Washington

(*C. variegatus* Sharp 1882: 107)

**Distribution.** Jamaica, Puerto Rico, México, Central America, South America, USA (TX, NC-FL)

**Cuba localities.**

**Collections.**

***Oosternum* Sharp 1882: 112**

*O. costatum* Sharp 1882: 113; Spangler 1981: 168

**Distribution.** Cuba, Puerto Rico, México to Panamá, USA (widespread SE)

**Cuba localities.** Ci: Soledad. SC: Cueva de los Majaes, in moist guano

**Collections.** Gatineau.

REFERENCES

The extensive bibliography of Spangler (1981) is not repeated here.

**Makhan, D.** 1993. Nine new *Hydrochus* species from South and Central America (Coleoptera: Hydrophilidae). Ann. Hist.-Natur. Mus. Nat. Hung. 85: 65-70.

**Smetana, A.** 1975. Revision of the New World genera of the tribe Omicrini trib. no. of the hydrophilid subfamily Sphaeridiinae (Coleoptera). Stud. Neotrop. Fauna 10: 153-182.

**Smetana, A.** 1978. Revision of the subfamily Sphaeridiinae of America north of México (Coleoptera: Hydrophilidae). Mem. Ent. Soc. Canada 105.

**Smetana, A.** 1984. Revision of the subfamily Sphaeridiinae of America north of México (Coleoptera: Hydrophilidae). Supplementum 2. Canadian Ent. 116: 555-566.

**Spangler, P.J.** 1973. Aquatic Coleoptera collected by the biospeleological expeditions. Resultats des expeditions biospéologique Cubano-Roumaines à Cuba 1: 353-358.

**Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologique Cubano-Roumaines à Cuba 3: 145-171.

**Van Tassell, E.** 1966. Taxonomy and biology of the subfamily Berosinae of North and Central American and the West Indies. PhD thesis, Catholic University of America. University Microfilms 66-15,059.

**Wooldridge, D.P.** 1971. Two new *Paracymus* from the West Indies. *J. Kansas Ent. Soc.* 44: 400-403.

### 19. FAMILY SPHAERITIDAE

This family occurs in northern Europe, north-western North America, and China. Adults may come to birch sap, and larvae may be in soil soaked in birch sap.

### 20. FAMILY SYNTELIDAE

This family occurs in México, Japan, Siberia, and India. Adults and larvae are predators under rotted bark, or in rotted cactus.

### 21. FAMILY HISTERIDAE

The clown beetles

Reviewed by S. Mazur, March, 2002

These live in a variety of habitats and are predators as adults or larvae. They may be predators on wood-boring beetles, on maggots in carrion and dung, and some are myrmecophiles. Decou and Thérond (1977) give Cuban records of species collected in caves. Primary references: Mazur 1984 and Johnson et al. 1991. The higher classification follows Mazur (2001), which contains a key for identification to the genera of Mexico, and all Cuban genera are included.

#### SUBFAMILY ABREINAE

##### TRIBE ACRITINI

#### *Acritus* LeConte 1853: 288

*A. analis* LeConte 1853: 290; Chevrolat 1864: 599; Gundlach 1891: 83; Decou and Thérond 1977: 403

**Distribution.** Cuba, Puerto Rico, Guatemala, México

**Cuba localities.** Ha: Cueva Galera. PR: Cueva Incognita

**Collections.** Bucharest. Havana. Thérond

*A. atomus* LeConte 1853: 291

*A. atomulus* Marseul 1862: 694; Chevrolat 1864: 598; Gundlach 1891: 82; Wenzel 1944: 58

**Distribution.** Cuba, USA (LA, FL)

**Cuba localities.** Ha: Caisuita; Havana; Marianao. M: Cárdenas

**Collections.** Cambridge

*A. ignobilis* (Lewis) 1888: 238; Wenzel 1944: 58

**Distribution.** Cuba, Puerto Rico, Panamá, Colombia, USA (FL)

**Cuba localities.** Ha: Marianao

**Collections.** Chicago

#### *Aeletes* Horn 1873: 356

*A. (Aeletes) assimilis* Wenzel 1944: 74

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. (A.) poeyi* (Marseul) 1862: 695 (*Acritus*); Chevrolat 1864: 598; Gundlach 1891: 83

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.**

*A. (A.) rugiceps* Wenzel 1944: 68

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. (A.) schwarzi* Wenzel 1944: 67

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. (Acritinus) floridae* (Marseul) 1862: 693 (*Acritus*)

**Distribution.** Cuba, USA (FL, LA, NC, SC)

**Cuba localities.**

**Collections.**

#### TRIBE BACANIINI

#### *Bacanius* LeConte 1853: 291

*B. (Bacanius) scalptus* Lewis 1888: 237; Wenzel 1944: 96

**Distribution.** Cuba, México to Argentina, USA (FL?)

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*B. (Gomyister) debilitans* Casey 1893: 560

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

#### SUBFAMILY SAPRININAE

#### *Euspilotus* Lewis 1907: 320

*E. (Euspilotus) cubaecola* (Marseul) 1855: 467 (*Saprinus*); Jacquelin du Val 1856: 111;

Chevrolat 1864: 596; Gundlach 1891: 79

**Distribution.** Cuba, USA (FL)

**Cuba localities.** M: Cienaga de Zapata

**Collections.**

*E. (Hesperosaprinus) arrogans* (Marseul) 1855: 487 (*Saprinus*)

*S. tarnieri* Marseul 1862: 480; Chevrolat 1864: 597; Gundlach 1891: 80

**Distribution.** Cuba, México, Guatemala, Venezuela, Galapagos Islands, USA (TX)

**Cuba localities.**

**Collections.**

*E. sterquilinus* (LeConte) 1860: 315 (*Saprinus*); Chevrolat 1864: 597; Gundlach 1891: 81; Decou and Thérond 1977: 403; all as *Saprinus*

**Distribution.** Cuba, se USA?

**Cuba localities.** Ha: Havana. SC: Cueva de Cativar; Cueva del Humo; Cueva de la Patana; Cueva el Mudo; Cueva de Guanaraya; Cueva de la Virgen; Cueva de los Majes. PR: near Cueva Clara. Abundant in caves in bat guano  
**Collections** Gatineau. Bucharest. Havana. Thérond

### *Saprinus* Erichson 1834: 172

*S. (Saprinus) cavaleri* Marseul 1855: 462; Jacquelin du Val 1856: 110; Chevrolat 1864: 596; Gundlach 1891: 78

**Distribution.** Cuba, Argentina

**Cuba localities.** Widespread

**Collections.**

*S. (Saprinus) guayanensis* Marseul 1855: 453; Chevrolat; 1864b: 596; Gundlach 1891: 79.

**Distribution.** Cuba, México, Brazil, Argentina

**Cuba localities.**

**Collections.**

### *Xerosaprinus* Wenzel 1962: 374.

*X. fulgidus* (LeConte) 1860: 316 (*Saprinus*); Chevrolat 1864: 598; Gundlach 1891: 82.

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*X. viator* (Marseul) 1855: 499 (*Saprinus*); Jacquelin du Val 1856: 112; Chevrolat 1864: 597; Gundlach 1891: 80

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

## SUBFAMILY DENDROPHILINAE

### TRIBE PAROMALINI

### *Carcinops* Marseul 1855: 83

*C. (Carcinops) parvulus* LeConte 1860: 314; Chevrolat 1864: 594; Gundlach 1891: 76.

**Distribution.** Cuba, Antilles

**Cuba localities.**

**Collections.**

(*C. (C.) pumilio* (Erichson) 1834: 169.)

**Distribution.** North America. Nearly cosmopolitan

**Cuba localities.** Probably present but no records are known

**Collections.**

*C. (C.) troglodytes* (Paykull) 1811: 46 (*Hister*); Jacquelin du Val 1856: 109; Chevrolat 1864: 594; Gundlach 1891: 76; Decou and Thérond 1977: 403

**Distribution.** Cuba, West Indies (where?); tropicopolitan

**Cuba localities.** Gr: Cueva de Fustete. Ha: Cueva el Mudo. Ho: Cueva Cuatrocientas Rozas. IJ: Nueva Gerona. M: Cueva La Eloisa. PR: Hoyo de Fania. SC: Cueva de los Majaes. SS: Cueva de Guanayara. Abundant in bat caves

**Collections.** Bucharest. Carnegie (as *C. tenellus?*). Havana. Thérond

### *Paromalus* Erichson 1834: 167

*P. (Isolomalus) hispaniolae* Marseul 1870: 101

*P. nanulus* (Casey) 1916: 246 (*Isolomalus*); Ha: Havana (t.l.); Washington (type)

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Ha: Havana

**Collections.** Cambridge

*P. (I.) parallelus* LeConte 1860: 314

*P. laterirectus* Marseul 1862: 712; Chevrolat 1864: 595; Gundlach 1891: 77

*Isolomalus parallelus* Bickhardt 1917: 120

**Distribution.** Cuba (t.l.), Antilles (where?)

**Cuba localities.**

**Collections.** Cambridge (type)

*P. (I.) productus* Marseul 1855: 113; Jacquelin du Val 1856: 109; Chevrolat 1864: 595; Gundlach 1891: 77

**Distribution.** Cuba, Colombia

**Cuba localities.**

**Collections.**

## SUBFAMILY TRYPANAEINAE

### *Trypanaeus* Eschscholtz 1829: 10

[*T. breviculus* Marseul 1857: 401]

**Distribution.** Cuba(?), French Guyana

**Cuba localities.** Doubtful record from Mazur 1984

*T. flavipennis* Marseul 1860: 841; Chevrolat 1858: 209 (*Tripanidius*)

*T. pallidipennis* Marseul 1860: 841; Chevrolat 1864: 591; Gundlach 1891: 71

**Distribution.** Cuba, Panamá, Guatemala, Surinam

**Cuba localities.** Widespread

**Collections.**

*T. luteivestis* Marseul 1860: 842

**Distribution.** Cuba, México, Guatemala, Guadeloupe

**Cuba localities.**



## Collections.

SUBFAMILY HISTERINAE  
TRIBE HOLOLEPTINI***Hololepta* Paykull 1811: 101**

*H. (Hololepta) cubensis* Erichson 1834: 93; Jacquelin du Val 1856: 102; Chevrolat 1864: 590; Gundlach 1891: 69

**Distribution.** Cuba, Haiti, Brazil?

**Cuba localities.** Ci: Soledad. M: Cárdenas

**Collections.**

*H. interrupta* Marseul 1853: 214; Jacquelin du Val 1856: 103

*Leionota ruptistria* Marseul, Chevrolat 1864: 590; Gundlach 1891: 70 (*Leioderma*)

**Distribution.** Cuba, Puerto Rico, USA (FL)

**Cuba localities.** Widespread. Ci: Soledad

**Collections.** Cambridge

*H. (Leionota) minuta* Erichson 1834: 96

*Leionota rimoso* Marseul 1853: 218; Jacquelin du Val 1856: 103; Chevrolat 1864: 590; Gundlach 1891: 70 (*Leioderma*)

**Distribution.** Cuba, Brazil, México, Panamá, French Guyana, USA (TX, FL)

**Cuba localities.** M: Cárdenas

**Collections.**

## TRIBE OMALODINI

***Omalodes* Erichson 1834: 114**

*O. laevigatus* Quensel in Schönherr 1806: 90; Jacquelin du Val 1856: 104; Chevrolat 1864: 491

**Distribution.** Cuba, Central America, western North America

**Cuba localities.**

**Collections.**

*O. ruficlavis* Marseul 1853: 531; Jacquelin du Val 1856: 104; Chevrolat 1864: 591; Gundlach 1891: 72

*O. klugii* Marseul, Chevrolat 1864: 592; Gundlach 1891: 73

**Distribution.** Cuba, Central America, Venezuela

**Cuba localities.**

**Collections.**

## TRIBE EXOSTERNINI

***Phelister* Marseul 1853: 462**

*P. riehli* Marseul 1862: 697; Chevrolat 1864: 591; Gundlach 1891: 71

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Gr: Bayamo  
**Collections.** Cambridge

## TRIBE HISTERINI

***Atholus* Thomson 1859: 76**

*A. confinis* (Erichson) 1834: 154 (*Hister*); Jacquelin du Val 1856: 105; Chevrolat 1864: 592; Gundlach 1891: 73

**Distribution.** Cuba, Puerto Rico, St. Vincent, Guadeloupe, USA (FL)

**Cuba localities.** M: Cárdenas

**Collections.**

***Hister* Linnaeus 1758: 358**

*H. coenosus* Erichson 1834: 140; Jacquelin du Val 1856: 105; Chevrolat 1864: 593; Gundlach 1891: 74; Caterino 1999: 59

**Distribution.** Cuba, Jamaica, Hispaniola, México to Panamá, USA (FL-VA-AR-CA)

**Cuba localities.** IJ: Nueva Gerona. M: Cienaga de Zapata. PR

**Collections.** Carnegie

*H. servus* Erichson 1834: 147; Jacquelin du Val 1856: 106; Chevrolat 1864: 593; Gundlach 1891: 74

**Distribution.** Cuba, México, Central America, USA (AZ-IN-MD-FL)

**Cuba localities.**

**Collections.**

## SUBFAMILY ONTHOPHILINAE

***Epierus* Erichson 1834: 158**

*E. (Epierus) antillarum* Marseul 1854: 700; Jacquelin du Val 1856: 107; Chevrolat 1864: 594; Gundlach 1891: 75; Decou and Thérond 1977: 404

*Epierus cubensis* Casey 1916: 238 (Ci: Cayamas (t.l.); type in Washington)

**Distribution.** Cuba, Hispaniola, Puerto Rico, México, USA (SE states)

**Cuba localities.** Gu: Cueva de la Patana. Ho: Cueva Los Cuatrocientos Rozas; Rio Cuyaguaje; M: Cárdenas.

**Collections.** Bucharest. Havana. Thérond

*E. (E.) cylindricus* Wenzel 1944: 118

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Pinar del Rio (t.l.)

**Collections.** Chicago (type)

*E. pulicarius* Erichson 1834: 162; Decou and Thérond 1977: 404

**Distribution.** Cuba, widespread eastern USA

**Cuba localities.** SC: Cueva Atabex



**Collections.** Bucharest. Havana. Théron  
*E. (E.) smaragdinus* Marseul 1862: 698; Chevrolat  
1864: 593; Gundlach 1891: 75

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo

**Collections.**

***Idolia* Lewis 1885: 214**

*I. laevis* (LeConte) 1852: 40 (*Coerosternus*);  
Chevrolat 1864: 595 (*Tribalus*); Gundlach 1891:  
78.

*Tribalus laevigatus* (Paykul) (*Hister*); Jacquelin  
du Val 1856: 108

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Mina Carlota . Gu: up-  
per Ovando River. M: Cárdenas

**Collections.** Cambridge

REFERENCES

- Caterino, M. S.** 1999. The taxonomy and phylogenetics of the *Coenosus* group of *Hister* Linnaeus (Coleoptera: Histeridae). Univ. California Publ. Ent. 110. 75 pp.
- Decou, V. and Therond, J.** 1977. Histérides hypogés de Cuba. Resultats des Expéditions Biospeologique cubano-roumaines à Cuba 2: 403-405.
- Mazur, S.** 1984. A world catalogue of Histeridae. Polskie Pismo. Ent. 54 (3-4): 1-379.
- Mazur, S.** 2001. Review of the Histeridae (Coleoptera) of Mexico. Dugesiana 8: 17-66.
- Johnson, S.A., R.W. Lundgren, A.F. Newton, Jr., M.K. Thayer, R.L. Wenzel, and M.R. Wenzel.** 1991. Mazur's world catalogue of Histeridae: emendations, replacement names for homonyms, and an index. Polskie Pismo. Ent. 61 (2): 1-100.
- Wenzel, R.** 1944. On the classification of the Histerid Beetles. Field Museum Zool. Ser. 28 (no. 545): 51-151.

SUPERFAMILY STAPHYLINOIDEA

22. FAMILY HYDRAENIDAE

The minute moss beetles

This family occurs in aquatic and semi-aquatic habitats, in sand and gravel along stream edges, in aquatic vegetation, and brackish pools. The fauna of the Western Hemisphere was revised by Perkins (1980).

SUBFAMILY HYDRAENINAE

TRIBE HYDRAENINI

***Hydraena* Kugelann 1794: 579**

*H. decui* Spanger 1980: 329; Perkins 1980: 144;  
Spangler 1980: 329; 1981: 162

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Sabanilla, Arroyo de la  
Poa (t.l.)

**Collections.** Washington (type)

[*H. marginicollis* Kiesenwetter 1849: 177]

**Distribution.** se USA, erroneously reported  
from Cuba and Virgin Islands according to Jach  
1994

*H. perkinsi* Spangler 1980: 331; Perkins 1980: 172;  
Spangler 1980:331; 1981: 162

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Laguna la Charco  
Redondo. Gu: Arroyo de los Berros. Ha: Laguna  
Ariguanabo. Ho: Mayari Arriba; Mayari Abajo.  
IJ: Laguna; Represa la Fé. SC: El Cayo at Baire.  
PR: Laguna Esperanza; Laguna La Cochinata;  
Quemado de Pineda (t.l.)

**Collections.** Brussels. Bucharest (Decu). Lon-  
don. San Francisco. Ottawa. Paris. Washing-  
ton (type)

SUBFAMILY OCHTHEBIINAE

TRIBE OCHTHEBIINI

***Gymnochthebius* d'Orchymont 1943: 38**

*G. fossatus* (LeConte) 1855: 362 (*Ochthebius*);  
Perkins 1980: 277; Spangler 1981: 163

*Ochthebius nitiduloides* d'Orchymont 1943: 43;  
Spangler 1981: 162 (*Hydraena*)

**Distribution.** Cuba, Jamaica, Dominican  
Republic, Puerto Rico, México to Brazil and  
Argentina, USA (CA-FL)

**Cuba localities.** Ci: Soledad. Gr: Laguna La  
Charco Redondo. Ha: Laguna de Ariguanabo.  
Ho: Arroyo Landivar; Mayari Arriba; Río  
Seboruco. IJ: Represa Fé. OR: Arroyo de los  
Berros. SC: El Cayo at Baire; Laguna Juragua

**Collections.** Washington

***Ochthebius* Leach 1815: 95**

*O. attritus* LeConte 1878: 380; Perkins 1980: 346;  
Spangler 1981: 164

**Distribution.** Cuba, Dominican Republic,  
Puerto Rico, Yucatan, Colombia, Brazil, USA  
(TX-FL)

**Cuba localities.** Ho: Loma la Bandera;  
Mayari Abajo

**Collections.** Washington

## REFERENCES

- Jach, M.** 1994. Descriptions of new species of Hydraenidae (Coleoptera) from Texas, Indiana, and Oklahoma, with faunistic and taxonomic notes on the family in Texas. *Coleop. Bull.* 48: 301-308.
- Perkins, P.D.** 1980. Aquatic beetles of the family Hydraenidae in the Western Hemisphere: classification, biogeography and inferred phylogeny (Insecta: Coleoptera). *Quaest. Ent.* 16: 3-554.
- Spangler, P. J.** 1980. Two new species of aquatic beetles of the genus *Hydraena* from Cuba (Coleoptera: Hydraenidae). *Proc. Ent. Soc. Washington* 82: 329-333.
- Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. *Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba* 3: 145-171.

## 23. FAMILY PTILIIDAE

The feather-winged beetles

This family of minute beetles lives in leaf litter and in association with decaying wood, and fungi, and even in spore tubes of bracket fungi. They are certainly present and diverse in Cuba but no identified species records have been published. They have been recovered from guano in caves.

## SUBFAMILY ACROTRICHINAE

***Acrotrichis* Motschulsky 1848: 569**

A. species; Genaro and Gutiérrez 2001: 10

**Distribution.** Cuba. Endemic?

**Cuba localities.** Gr: Alegria de Pio

**Collections.** Havana

## REFERENCE

- Genaro, J. A. and E. Gutiérrez.** 2001. La familia Ptiliidae en Cuba (Insecta: Coleoptera). *Cocuyo* 11: 10-11.

## 24. FAMILY AGYRTIDAE

This scavenging family is mostly Holarctic in distribution, and ranges from the Mexican Plateau northwards in the Nearctic. It does not occur in the West Indies or from Guatemala to southern South America.

## 25. FAMILY LEIODIDAE

The small carrion and round fungus beetles

This family has diverse habits, and members feed on fungi, carrion and animal dung. They may live in leaf litter and caves and may be in nests of vertebrates and social insects. The Cuban fauna is

poorly studied and unreported genera are present. The fauna of the Neotropical Region is summarized by Peck et al. (1998).

## SUBFAMILY CHOLEVINAE

## TRIBE ANEMADINI

***Dissochaetus* Reitter 1884: 39**

*D. cubensis* Peck 1999: 606

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra, 1000 m, forests (t.l.)

**Collections.** Gatineau (type). Cambridge. Chicago. Gainesville

## TRIBE PTOMAPHAGINI

***Proptomaphagus* Szymczakowski 1969: 87.**

The genus is a relictual cave, forest, and soil inhabitant in México, Cuba, Hispaniola, and Puerto Rico

*P. apodemus* Szymczakowski 1969: 88; Decou 1973: 367 (larva); Peck 1983: 257; 1999: 609; Peck et al. 1998: 159

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread; common in caves on bat guano; also in lowland forests

**Collections.** Bucharest. Gatineau. Cambridge. Chicago. Gainesville. Krakow (type). Pittsburgh

*P. darlingtoni* (Jeannel) 1936: 92; Peck 1970: 241.; 1999: 608

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). SC: Gran Piedra (600-1100m, forests only)

**Collections.** Gatineau. Cambridge (type). Chicago. Gainesville

## SUBFAMILY LEIODINAE

## TRIBE LEIODINI

***Zeadalopus* Broun 1903: 614.**

Z. sp.

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra; Santiago, Jardin Botanico; 10 km NE Caney, Arroyo Grovert

**Collections.** Peck

## TRIBE PSEUDOLIODINI

***Aglyptinus* Cockerell 1906: 240**

A. sp.

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Cueva la Barca, in fruit bat guano. SC: Gran Piedra; Santiago, Jardín Botánico  
**Collections.** Havana. Peck

#### TRIBE SCOTOCRYPRINI

#### *Creagrophorus* Matthews 1887: 82

*C. sp.*

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra; Santiago, Jardín Botánico  
**Collections.** Peck

#### REFERENCES

- Decou, V. Gh.** 1973. Recherches sur les Coléoptères hypogés de Cuba. III. Catopidae-Catopinae: *Protomaphagus apodemus* Szymczakowski. Résultats des expéditions biospéologiques Cubano-Roumaines à Cuba. 1. 367-372.
- Peck, S.B.** 1970. The Catopinae (Coleoptera: Leiodidae) of Puerto Rico. *Psyche* 77: 237-242.
- Peck, S.B.** 1983. A new cavernicolous *Proptomaphagus* from Hispaniola and México (Coleoptera: Leiodidae: Cholevinae). *Florida Ent.* 66: 254-260.
- Peck, S.B.** 1999. New species and records of "small carrion beetles" from Cuba and Hispaniola (Coleoptera; Leiodidae; Cholevinae). *Canadian Ent.* 131: 605-611.
- Peck, S.B., P. Gnaspini, and A.F. Newton.** 1998. Catalogue and generic keys for the Leiodidae of México, West Indies, and Central and South America. *Giornale Italiana di Entomologia* 9: 37-72.
- Peck, S.B., A.E. Ruiz-Baliú, and G.F. Garcés González.** 1998. The cave-inhabiting beetles of Cuba (Insecta: Coleoptera): diversity, distribution and ecology. *J. Cave Karst Studies* 60: 156-166.
- Szymczakowski, W.** 1969. Découverte d'un représentant des Ptomaphagini à Cuba (avec une esquisse de la systématique et la géonémie de cette tribu) (Coleoptera, Catopidae). *Acta Zool. Cracoviensia* 14: 87-97.
- 26. FAMILY SCYDMAENIDAE**  
 The antlike stone beetles  
 Reviewed by Sean T. O'Keefe, February, 2001  
 This is a poorly known family of leaf-litter inhabiting predators.
- SUBFAMILY SCYDMAENINAE**  
 TRIBE CYRTOSCYDMINI
- Euconnus* Thomson 1862: 88**  
*E. breviceps* (Schaufuss) 1867: 58 (*Scydmaenus*); Gundlach 1891: 88; Franz 1991:41  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad. Gr: Bayamo. M: Cárdenas. SS: Mina Carlota  
**Collections.** Eberswalde (type). Franz. Paris. Urbana  
*E. cienfuegosii* Franz 1991: 45  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Franz. Urbana (type)  
*E. cubaicola* Franz 1991: 44  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS; Mina Carlota (t.l.)  
**Collections.** Urbana (type). Franz  
*E. cubanus* Franz 1991: 44  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Mina Carlota (t.l.)  
**Collections.** Urbana (type)  
*E. globulicollis* (Schaufuss) 1867: 64 (*Scydmaenus*); Gundlach 1891: 88  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Paris  
*E. gundlachianus* Franz 1991: 41  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Urbana (type)  
*E. gundlachii* (Schaufuss) 1867: 59 (*Scydmaenus*); Gundlach 1891: 88  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Riehl collection in Cassel?  
*E. patens* (Schaufuss) 1867: 66 (*Scydmaenus*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Riehl collection in Cassel?  
*E. schaufussi* Csiki 1919: 62 (replacement name)  
*Eumicrus brevicornis* Schaufuss 1867: 93  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. soledadensis* Franz 1991: 42  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.). SS: Mina Carlota  
**Collections.** Urbana (type). Franz
- Homoconnus* Sharp 1887: 64**  
*H. dentipes* (Schaufuss) 1867: 71 (*Scydmaenus*); Gundlach 1891: 88  
**Distribution.** Cuba. Endemic  
**Cuba localities.**

**Collections.** Eberswalde

#### TRIBE SCYDMAENINI

##### ***Scydmaenus* Latreille 1802: 116**

*S. pubescens* (Schaufuss) 1867: 76 (*Eumicrus*);  
Gundlach 1891: 88

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Esberswalde

#### REFERENCE

**Franz, M.** 1991. Weiterer Beitrag zur Kenntnis des Scydmaeniden der Karibischen Inseln (Coleoptera: Scydmaenidae). Koleopterologische Rundschau 61: 25-48.

#### 27. FAMILY SILPHIDAE

This family does not occur in Cuba. One species of *Nicrophorus* occurs in the highlands of Hispaniola (Sikes and Peck 2000), and this genus and others ring the Caribbean from the USA to México, Central America, and throughout South America (Peck and Anderson 1985).

#### REFERENCES

- Peck, S.B. and R.S. Anderson.** 1985. Taxonomy, phylogeny, and biogeography of the carrion beetles of Latin America (Coleoptera, Silphidae). Quaest. Ent. 21: 247-317.
- Sikes, D.S. and S.B. Peck.** 2000. Description of *Nicrophorus hispaniola*, new species, from Hispaniola (Coleoptera: Silphidae) and a key to the species of *Nicrophorus* of the New World. Ann. Ent. Soc. Amer. 93: 391-397.

#### 28. FAMILY STAPHYLINIDAE

The rove beetles and allies

Checked and Reviewed by J. H. Frank, April, 2001; A.F. Newton, March and July, 2002.

This is a very large family of mostly predatory beetles. The following list has been mostly drawn from Blackwelder (1943), and the accuracy of identification and distribution for many species that have not been recently revised may be highly suspect. The Blackwelder collection is in Washington, and contains many misidentifications. While the North American fauna is now becoming well studied, the West Indian fauna is still very poorly known. Frank (1986) provided a checklist for Florida. The higher classification follows that of Lawrence and Newton (1995). Many species described by Bierig may need lectotypes designated. The large and important Bierig collection is now at the Field Mu-

seum, Chicago and it contains many additional Cuban specimens that are unidentified or with manuscript names. Cuban records of species in this museum are listed here, from data provided by A. F. Newton, but identifications and/or distributions need to be confirmed. Full synonym lists and distributional details are in the monumental catalogue of Herman (2001), but this does not cover the subfamilies Aleocharinae, Paederinae, Scaphidiinae and Pselaphinae. Most genera in Cuba are covered in the keys to the Mexican and Central American fauna in Navarrete et al. (2002).

#### SUBFAMILY OMALIINAE

##### TRIBE OMALIINI

##### ***Omalium* Gravenhorst 1802: 111**

*O. cubanum* Blackwelder 1943: 55

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

##### ***Phloeonomus* Heer 1839: 184**

*P. pedicularius* (Erichson) 1840: 887

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe, Grenada, Trinidad

**Cuba localities.**

**Collections.**

#### SUBFAMILY PSELAPHINAE

The ant-like beetles

Reviewed by D. Chandler, March, 2001

These small beetles live in forest leaf litter and feed on mites, Collembola, and other small invertebrates. The Cuban fauna is very poorly known. Park et al. (1976) is the last treatment of the Cuban fauna. This group is considered to be a subfamily of Staphylinidae by Newton and Thayer (1995) and Lawrence and Newton (1995). We use here their classification within the subfamily Pselaphinae.

#### SUPERTRIBE EUPLECTITAE

##### TRIBE EUPLECTINI

##### ***Lemelba* Park 1953: 1**

*L. millsii* Park 1976: 40

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. (t.l.)

**Collections.** Chicago. Urbana (type)

#### SUPERTRIBE GONIACERITAE

##### TRIBE BRACHYGLUTINI



***Berdura* Reitter 1882: 206***B. leavitti* Park 1976: 49**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type). Chicago***Briaraxis* Brendel 1894:158***B. depressa* Brendel 1894: 159**Distribution.** Cuba, Jamaica, Virgin Islands, Tobago, Panama, Venezuela, USA (FL)**Cuba localities.** "Cuba."**Collections.** Chicago***Bythinogaster* Schaufuss 1887: 111***B. bisphaeroides* Schaufuss 1887: 297; Park et al. 1976: 54**Distribution.** Cuba. Endemic**Cuba localities.** CA: Baraguá (t.l.)**Collections.** Berlin (type). Cambridge. Chicago*B. parsonsi* Park 1976: 54**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type). Chicago***Decarthron* Brendel 1865: 30***D. arcuatum* Park 1976: 60**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type). Chicago*D. pectinale* Park 1976: 61**Distribution.** Cuba. Endemic**Cuba localities.** CA: Baraguá. Ci: Soledad (t.l.)**Collections.** Chicago. Cambridge (type)*D. unifovealatum* (Schauffuss) 1887: 125 (*Bryaxis*)**Distribution.** Cuba. Endemic**Cuba localities.** "Cuba"**Collections.*****Pselaptus* LeConte 1880: 184***P. longiclavus* (Schauffuss) 1887: 126 (*Bryaxis*); Park et al. 1976: 52**Distribution.** Cuba. Endemic**Cuba localities.****Collections.** Chicago***Reichenbachia* Leach 1826: 451***R. bisinuata* (Schauffuss) 1882: 130**Distribution.** Cuba. Endemic**Cuba localities.** "Cuba."**Collections.** Chicago*R. darlingtoni* Park 1976: 57**Distribution.** Cuba. Endemic**Cuba localities.** Gu: near Imias (t.l.), and Upper Yara Valley**Collections.** Cambridge (type). Chicago*R. truncata* (Schauffuss) 1887: 128**Distribution.** Cuba. Endemic**Cuba localities.** "Cuba"**Collections.****SUPERTRIBE PSELAPHITAE****TRIBE TYRINI*****Ephimia* Reitter 1883: 34***E. cubensis* Park 1976: 67**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type). Chicago*E. sp.* Zayas 1988: 22**Distribution.** Cuba. Endemic**Cuba localities.****Collections.** Zayas**TRIBE CTENISTINI*****Ctenistodes* Raffray 1896: 247***C. weberi* Park 1976: 64**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.)**Collections.** Cambridge (type). Chicago**TRIBE ARHYTODINI*****Caccoplectus* Sharp 1887: 22***C. schwarzi* Chandler and Wolda 1986: 485**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Chicago. Washington (type)**SUPERTRIBE CLAVIGERITAE****TRIBE CLAVIGERINI*****Fustiger* LeConte 1866: 109***F. barroii* (Bierig) 1945: 15 (*Pseudofustiger*); Park et al. 1976: 72**Distribution.** Cuba. Endemic**Cuba localities.** "Cuba" (t.l.)**Collections.** Chicago (type)*F. schwarzi* Mann 1918: 105; Park et al. 1976: 73**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas. (t.l.); in ant nest**Collections.** Chicago. Washington (type)*F. stricticornis* (Reitter) 1883: 33 (*Articerus*); Bierig 1945: 13; Park et al. 1976: 72



**Distribution.** Cuba, St. Thomas (Virgin Islands)

**Cuba localities.** PR: Sierra del Rosario

**Collections.** Chicago

**SUBFAMILY TACHYPORINAE**  
**TRIBE TACHYPORINI**

***Coproporus* Kraatz 1857: 399**

*C. apicalis* (Erichson) 1839: 250 (*Tachinus*); Blackwelder 1943: 514

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.** Ci: Soledad. SC: Loma del Gato; Pico Turquino

**Collections.** Cambridge. Chicago. Washington

*C. cinctiventris* (Sharp) 1883: 304; Navarrete et al. 2002: 110

**Distribution.** Cuba, Argentina, Colombia, Costa Rica, Guatemala, Mexico

**Cuba localities.** Ha: Havana

**Collections.** Chicago

*C. hepaticus* (Erichson) 1839: 249 (*Tachinus*); Blackwelder 1943: 514; Campbell 1975: 189

*C. convexus* (Erichson) 1839: 249; Chevrolat and Fauvel 1863: 429; Gundlach 1891: 55 (*Coproborus*)

**Distribution.** Cuba, Puerto Rico, Trinidad, South America, Mexico, Central America, USA (CA-TX, FL)

**Cuba localities.** Ci: Cayamas; Soledad. San Antonio de los Baños

**Collections.** Cambridge. Chicago. Washington

*C. nitidulus* (Erichson) 1839: 247 (*Tachinus*)

*C. flavicollis* (Scriba) 1855: 297 (*Tachyporus*); Blackwelder 1943: 518

**Distribution.** Cuba, Jamaica, Puerto Rico, South America, Mexico, Central America.

**Cuba localities.** Ci: Cayamas; Soledad

**Collections.** Cambridge. Chicago. Washington

*C. pulchellus* (Erichson) 1839: 247 (*Tachinus*); Blackwelder 1943: 520; Campbell 1975: 185.

*Tachinus infimus* Jacquelin du Val 1857: 33; Chevrolat and Fauvel 1863: 430 (*Coproporus*); Gundlach 1891: 55

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Antigua to Trinidad, South America, Central America, México, USA (AL-FL)

**Cuba localities.** Widespread

**Collections.** Cambridge. Chicago. Gundlach no. 85 (*C. infimus*). Washington

*C. rutilus* (Erichson) 1839: 253 (*Tachinus*); Blackwelder 1943: 522; Campbell 1975: 195

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, St. Thomas to Trinidad, South America, Mexico, Central America, USA (TX-LA)

**Cuba localities.** Ci: Cayamas; Soledad. M: Cárdenas

**Collections.** Cambridge. Chicago. Gundlach no. 412 (*C. terminalis*). Washington

*C. segnis* (Sharp) 1883: 301 (*Erchomus*)

**Distribution.** Cuba, Mexico, Guatemala, Costa Rica, se USA (FL)

**Cuba localities.**

**Collections.** Chicago

*C. terminalis* (Erichson) 1839: 250 (*Tachinus*); Jacquelin du Val 1856: 32; Chevrolat and Fauvel 1863: 429 (*Coproporus*); Gundlach 1891: 55; Campbell 1975: 197

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Ha: Havana

**Collections.** Chicago

*C. vicinus* Sharp 1883: 305; Navarrete et al. 2002: 111

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

**Cuba localities.** Ha: Havana

**Collections.** Chicago

***Sepedophilus* Gistel 1856: 267**

*S. interruptus* (Erichson) 1839: 225 (*Conurus*); Blackwelder 1943: 525 (*Conosomus*)

*S. caribbeanum* (Bierig) 1937: 276 (*Conosoma*)

*S. cubanum* (Bierig) 1937: 277 (*Conosoma*)

*S. conforme* (Bierig) 1937: 278 (*Conosoma*)

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Monserrat to Trinidad, Columbia

**Cuba localities.** Ha: Sierra de Bonilla. PR: El Rangel; Cueva del Indio; Pico Somorrostro; Aspiro. Ci: Cayamas; Soledad. SC: Pico Turquino

**Collections.** Cambridge. Chicago. Washington

**TRIBE MYCETOPORINI**

***Bryoporus* Kraatz 1858: 452**

*B. aciculatus* Blackwelder 1943: 529

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Mts. N of Imias (t.l.)

**Collections.** Chicago. Cambridge (type)

- B. cubanus* Blackwelder 1943: 530  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Chicago. Cambridge (type).  
 Washington
- B. seriatus* (Erichson) 1839: 272 (*Boletobius*)  
**Distribution.** Cuba, Mexico, Costa Rica, Colombia, Venezuela, Brazil, Argentina  
**Cuba localities.**  
**Collections.** Chicago

## SUBFAMILY ALEOCHARINAE

Reviewed by J. Klimaszewski, April, 2001

## TRIBE DEINOPSINI

- Adinopsis* Cameron 1919: 242**
- A. myllaenoides* (Kraatz) 1857:38 (*Deinopsis*);  
 Klimaszewski 1979: 72; 1980:120  
**Distribution.** Cuba, Jamaica, St. Lucia, México, Central America, Trinidad, Venezuela, Brazil, USA (MS, LA, FL)  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Washington

## TRIBE MESOPORINI

- Anacyptus* Horn 1877: 87**
- A. testaceus* (LeConte) 1863: 30 (*Hypocypus*):  
 Blackwelder 1943: 532  
**Distribution.** Cuba, Montserrat, Mexico, USA (AR-MI-NC-FL)  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Washington

## TRIBE ALEOCHARINI

- Aleochara* Gravenhorst 1802: 67**
- A. (Aleochara) lateralis* Erichson 1837: 161;  
 Chevrolat and Fauvel 1863: 428; Gundlach 1891: 53; Blackwelder 1943: 560; Klimaszewski et al. 1987: 255, Klimaszewski 1990: 173  
**Distribution.** Cuba, México, South America  
**Cuba localities.** M: Cárdenas; Cienaga de Zapata  
**Collections.** Chicago. Gundlach no. 894
- A. (Coprochara) notula* Erichson 1839: 167;  
 Jacquelin du Val 1856: 32; Chevrolat and Fauvel 1863: 429; Gundlach 1891: 54; Blackwelder 1943: 560  
**Distribution.** Cuba to Mustique, México, South America (Klimaszewski et al. 1987, Klimaszewski 1990), USA (CA-TX-NE-PA-FL)  
**Cuba localities.** M: Cárdenas

- Collections.** Gundlach no. 1734
- A. (Xenochara) puberula* Klug 1833: 139;  
 Blackwelder 1943: 561
- A. dubia* Fauvel in Chevrolat and Fauvel 1863: 428; Gundlach 1891:54  
**Distribution.** Cuba, México, USA. Cosmopolitan-pantropical-subtropical (records in Klimaszewski et al. 2000: 233)  
**Cuba localities.**  
**Collections.** Chicago. Gundlach no. 890 (*A. dubia*)
- A. (Xenochara) verberans* Erichson 1839: 164;  
 Chevrolat and Fauvel 1863: 428; Gundlach 1891: 54; Blackwelder 1943: 561; Klimaszewski and Génier 1986: 116 (lectotype designation and redescription)  
**Distribution.** Cuba, South America, Central America  
**Cuba localities.**  
**Collections.** Chicago

## TRIBE HOPLANDRINI

- Hoplandria* Kraatz 1857: 4**
- H. (Genosema) aemula* (Bierig) 1939: 27 (*Genosema*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Jamaica. PR: Aspiro; Caimito del Guayabal  
**Collections.** Chicago (type)
- H. pacei* Hanley 1998: 386 (replacement name for  
*H. puncticollis* Pace 1990: 166)  
*H. puncticollis* Pace 1990: 166  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Playa Marianao (t.l.)  
**Collections.** Chicago (type)

***Tinotus* Sharp 1883: 170**

- T. cavicollis* Sharp 1883: 170  
**Distribution.** Cuba, Guatemala, Nicaragua, Paraguay, Argentina, USA (FL)  
**Cuba localities.**  
**Collections.** Chicago

## TRIBE LOMECHUSINI

***Meronera* Sharp 1887: 779**

- M. albicincta* (Erichson) 1839: 56; Blackwelder 1943: 548  
**Distribution.** Cuba, Jamaica, Grenada, México, South America  
**Cuba localities.**  
**Collections.** Chicago

## TRIBE OXYPODINI

***Neolara* Sharp 1883: 231***N. cubana* Casey 1906: 189; Blackwelder 1943: 548**Distribution.** Cuba. Endemic**Cuba localities.** PR: Bahia Honda (t.l.)**Collections.** Washington (type). Chicago***Phloeopora* Erichson 1837: 311***P. occidentalis* Cameron 1923: 388; Blackwelder 1943: 557**Distribution.** Cuba, Hispaniola**Cuba localities.****Collections.** Chicago. London

## TRIBE HYPOCYPHTINI

***Holobus* Solier 1849: 335***H. cadaverina* (Bierig) 1934: 113 (*Oligota*); Blackwelder 1943: 536; Frank 1972: 132**Distribution.** Cuba, Virgin Islands**Cuba localities.** Ha: Playa Marianao; Mariel; Sierra Bonilla, Cueva Indio. PR: Rangel (t.l.)**Collections.** Chicago (type)*H. caribae* (Frank) 1972: 134 (*Oligota*)**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Sierra Rangel (t.l.). PR: Aspiro**Collections.** Chicago (type)*H. humboldti* (Frank) 1972: 135 (*Oligota*)**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Trinidad, El Cubanito (t.l.)**Collections.** Chicago (type)*H. luteicornis* (Bierig) 1934: 119 (*Oligota*); Blackwelder 1943: 536; Frank 1972: 138**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Cruz de Piedra; La Lisa; Mariel; Sierra de Anafe, Caimito del Guayabal. PR: Aspiro; Sierra de Candela, Güines; Sierra del Rosario**Collections.** Chicago*H. minuta* (Cameron) 1931: 82 (*Oligota*); Frank 1972: 136**Distribution.** Cuba, Jamaica, Trinidad**Cuba localities.** Ha: Havana; Santiago de las Vegas; reported by Bierig (1934) under leaves of beans and on *Cedrela* infested with mites, under the name of *O. centralis***Collections.** Chicago*H. multicarinata* (Frank) 1972: 134 (*Oligota*)**Distribution.** Cuba. Endemic**Cuba localities.** PR Aspiro; El Rangel; Sierra del Rosario (t.l.)**Collections.** Chicago (type)*H. zonata* (Bierig) 1934: 115 (*Oligota*); Blackwelder 1943: 538; Frank 1972: 132**Distribution.** Cuba, Jamaica, USA (FL)**Cuba localities.** PR: Aspiro-Rangel; Portugues. Ha: Sierra Bonilla (t.l.)**Collections.** Chicago (type)***Oligota* Mannerheim 1830: 72** (see revision of Frank 1972)*[O. centralis* Sharp 1883: 293; Bierig 1934: 114; Blackwelder 1943: 536; Frank 1972: 137]**Distribution.** Guatemala, Colombia. Recorded in error by Bierig (1934) from Ha: Vedado, see *O. minuta* below*(O. chrysopyga* Kraatz 1859:45; Frank 1972: 131)**Distribution.** West Indies, USA (FL); pantropical**Cuba localities.****Collections.***O. maculicornis* Cameron 1922: 124; Bierig 1934: 117; Blackwelder 1943: 536; Frank 1972: 142**Distribution.** Cuba, Hispaniola**Cuba localities.** PR: Aspiro; Pico Somorrostro; Sierra Anafe; Sierra del Rosario, El Sabicu**Collections.** Chicago*O. parva* Kraatz 1862: 300; Bierig 1934: Frank 1972: 140**Distribution.** Cuba, Jamaica, Tortola, St. Vincent, Grenada, Central America, South America, USA (TX-MO-MA-FL), Europe, Orient**Cuba localities.** Ha: Havana, under dog corpse (Bierig 1934)**Collections.** Chicago*O. rhopalocera* Bernhauer 1923: 145; Bierig 1934: 116; Blackwelder 1943: 537; Frank 1972: 139**Distribution.** Cuba, St. Thomas**Cuba localities.** Ha: Sierra Bonilla, Cueva del Indio. PR: Cruz de Piedra; Sierra de Candela, Güines; Sierra Rangel; Tepaste**Collections.** Chicago*(O. testaceorufa* Bernhauer 1923: 144)**Distribution.** St. Thomas, USA (FL)**Cuba localities.****Collections.***O. tricolor* Bierig 1934: 116; Blackwelder 1943: 538; Frank 1972: 139**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Guanabo (t.l.)**Collections.** Chicago (type)

## TRIBE MYLLAENINI

***Myllaena* Erichson 1837: 382***(M. potowatomi* Klimaszewski 1982: 192)**Distribution.** Haiti, Jamaica, México, USA (CA-TX-WI-FL)

## TRIBE HOMALOTINI

***Brachychara* Sharp 1883: 267***B. palliditarsis* Bierig 1939: 17**Distribution.** Cuba. Endemic**Cuba localities.** PR: Sierra del Rosario, Aspiro (t.l.)**Collections.** Chicago (type)***Bolitochara* Mannerheim 1830: 75***B. cinctigastrea* Bierig 1937: 280; Blackwelder 1943: 546**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Sierra Bonilla. PR: El Rangel**Collections.** Chicago (type)***Cephaloxynum* Bernhauer 1907: 282***C. rambouseki* Bierig 1931: 424; Blackwelder 1943: 459; Newton 1988: 256; Frank et al. 1989: 717**Distribution.** Cuba, USA (FL)**Cuba localities.** Ha: Camoa; Sierra Bonilla, Tepaste (t.l.). PR: Sierra del Rosario, Rangel; SS: Buenos Aires**Collections.** Cambridge. Chicago (type). Washington***Coenonica* Kraatz 1857: 45***(C. puncticollis* Kraatz 1857:46)**Distribution.** Grenada, St. Vincent, Guyana, Brazil, USA (FL); pantropical, from Old world; subcortical (see Frank and Thomas, 1984, Fla. Ent. 67: 409-417)**Cuba localities.****Collections.*****Diestota* Mulsant and Rey 1870: 194***D. ambiguum* (Notman) 1920: 715 (*Elachistarthron*)**Distribution.** Cuba, USA (FL)**Cuba localities.****Collections.** Chicago*D. braziliana* Bernhauer 1907: 288**Distribution.** Cuba, Brazil, Argentina**Cuba localities.****Collections.** Chicago*D. luederwaldti* (Bernhauer) 1908: 343 (*Apheloglossa*)*D. obscuricollis* (Bernhauer) 1908: 344 (*Apheloglossa*); as var. *luederwaldti*)**Distribution.** Cuba, Brazil, Argentina, Paraguay**Cuba localities.****Collections.** Chicago*D. (Apheloglossa) melanura* (Erichson) 1839: 117 (*Homalota*); Blackwelder 1943: 553; Pace 1986: 421**Distribution.** Cuba, Puerto Rico, St. John**Cuba localities.****Collections.** Chicago*D. sperata* Sharp 1876: 47; Blackwelder 1943: 544  
**Distribution.** Cuba, Jamaica, Hispaniola, Guadeloupe to Grenada, Guatemala, Costa Rica, South America**Cuba localities.****Collections.** Chicago***Eumicrota* Casey 1906: 280***E. cornuta* Casey 1906: 285**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas. (t.l.)**Collections.** Chicago. Washington (type)***Gyrophaena* Mannerheim 1830: 74***G. atomaria* Cameron 1922: 647**Distribution.** Cuba, Jamaica, Grenada**Cuba localities.****Collections.** Chicago***Heterota* Mulsant and Rey 1874: 194***(H. plumbea* (Waterhouse) 1858: 6074)**Distribution.** Jamaica, México, coastal Europe to Canary Islands, USA (FL); marine littoral; possibly introduced to New World (see Frank and Thomas, 1984, Fla. Ent. 67: 409-417)**Cuba localities.****Collections.*****Phanerota* Casey 1906: 285***P. cubensis* Casey 1906: 288; Blackwelder 1943: 541 (*Gyrophaena*)**Distribution.** Cuba, USA (FL)**Cuba localities.** Ci: Cayamas. (t.l.)**Collections.** Chicago. London, Cameron collection. Washington (type)***Stictalia* Casey 1906: 264***S. unicolor* (Fenyés) 1909: 198 (*Bolitochara*)**Distribution.** Cuba, USA (CA), Canada (BC)**Cuba localities.**



## Collections. Chicago

***Xenobiota* Bierig 1938: 144**

*X. bernhaueri* Bierig 1938: 145; Blackwelder 1943: 54

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Viñales; Sumidero Rio Taco Taco; El Sabicu; Rangel

**Collections.** Chicago (type)

## TRIBE PLACUSINI

***Euwira* Sharp 1883: 278**

*E. cubana* Bierig 1934: 121; Blackwelder 1943: 546; Bierig 1939: 25

*E. flavipes* Bierig 1934: 123 ( t.l., Sierra de Rosario)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Sierra Bonilla, Cueva del Indio. PR: near Rangel

**Collections.** Chicago (type)

*E. debilis* Sharp 1883: 281

**Distribution.** Cuba, Costa Rica, Guatemala, USA (FL)

**Cuba localities.**

**Collections.** Chicago

## TRIBE ATHETINI

***Atheta* Thomas 1859: 39**

*A. (Datomicra) sordidula* (Erichson) 1839: 335 (*Homalota*); Blackwelder 1943: 554

**Distribution.** Cuba, widespread North America, Europe

**Cuba localities.**

**Collections.** Chicago. London

*A. (Xenota) longifrons* Sharp 1883: 178

**Distribution.** Cuba, Guatemala, ?Mexico

**Cuba localities.**

**Collections.** Chicago

***Trichiusa* Casey 1893: 339**

*T. ursina* Notman 1920: 725

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.** Chicago

## TRIBE FALAGRIINI

***Guajira* Bierig 1938: 146**

*G. cubana* Bierig 1938: 146; Blackwelder 1943: 555

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Sierra del Rosario (t.l.)

**Collections.** Chicago (type)

## TRIBE LOMECHUSINI

***Zyras* Stephens 1832: 430**

*Z. distinctus* Bierig 1937: 281; Blackwelder 1943: 556

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: El Rangel (t.l.). Presumed guest in nests of ants *Tetramorium simillimum* Smith

**Collections.** Chicago

## SUBFAMILY SCAPHIDIINAE

Many more species of this family of fungus-feeding beetles should occur in Cuba than are recorded. See Leschen and Löbl (1995) for classification within the subfamily.

## TRIBE CYPARINI

***Cyparium* Erichson 1845: 3**

*C. flavosignata* Zayas 1988: 23

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

*C. f. bicolor* Zayas 1988: 25

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

*C. f. funebris* Zayas 1988: 24

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

*C. f. splendidum* Zayas 1988: 25

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

## TRIBE SCAPHISOMATINI

***Scaphisoma* Leach 1815: 89**

*S. bicinctum* Zayas 1988: 27

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

*S. cubense* Reitter 1879 (1880): 48

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)

*S. nitidulum* Zayas 1988: 26

**Distribution.** Cuba. Endemic

**Cuba localities.** None given

**Collections.** Zayas (type)



## SUBFAMILY PIESTINAE

***Hypotelus* Erichson 1840: 840**

*H. insulanus* Bierig 1934: 343; Blackwelder 1943: 42

**Distribution.** Cuba, Jamaica, Hispaniola, St. Vincent

**Cuba localities.** Ci: Cayamas. PR: Aspiro (t.l.), Sierra del Rosario

**Collections.** Chicago (type). Washington

***Piestus* Gravenhorst 1806: 223 (see Scheerpeltz 1952)**

(*P. mexicanus* Castelnau 1834: 130)

**Distribution.** West Indies (islands not named), México to Venezuela and NW Brazil

*P. minutus* Erichson 1840: 834; Herman 2001: 1792

**Distribution.** Cuba, Mexico to Argentina

**Cuba localities.**

**Collections.**

*P. penicillatus* (Dalman) 1821: 375 (*Zirophorus*); Blackwelder 1943: 46

*P. erythropus* Erichson 1840: 834; Jacquelin du Val 1856: 46; Chevrolat and Fauvel 1863: 444; Gundlach 1891: 69

**Distribution.** Cuba, Jamaica, Hispaniola to Trinidad, México to French Guyana and ne Brazil

**Cuba localities.** Ci: Soledad. Gu: Guantánamo; Upper Ovando River. SS: Buenos Aires

**Collections.** Cambridge. Gundlach no. 305. New York. Washington

(*P. pygmaeus* Castelnau 1834: 130)

**Distribution.** Hispaniola, Lesser Antilles, México to Argentina, Uruguay

**Cuba localities.**

**Collections.**

*P. sulcatus* (Gravenhorst) 1806: 224; Blackwelder 1943: 44

**Distribution.** Cuba, Dominica to Trinidad, Brazil

**Cuba localities.**

**Collections.**

## SUBFAMILY OSORIINAE

## TRIBE ELEUSININI

***Eleusis* Laporte 1834: 131**

*E. darlingtoni* Blackwelder 1943: 156

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Cambridge (type). Washington

## TRIBE THORACOPHORINI

***Clavilispinus* Bernhauer 1926: 255**

*C. exiguus* (Erichson) 1840: 830; Irmeler 1991: 86

*Paralispinus exiguus* (Erichson), Blackwelder 1943: 158

*Lispinus piceus* Fauvel, of Leng and Mutchler; Blackwelder 1943: 159 (*Paralispinus*)

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, St. Croix, Guadeloupe, St. Lucia, Grenada, Columbia, Bolivia, Brazil, Guatemala, USA (LA-FL); Old World

**Cuba localities.** Ci: Cayamas. Ha: Sierra de Anafe, Caimito

**Collections.** Chicago. London. Washington

*C. megacephalus* Fauvel 1864: 57 (*Ancaeus*); Blackwelder 1943: 160 (*Paralispinus*)

*C. crepusculus* (Blackwelder) 1943: 160 (*Paralispinus*)

**Distribution.** Cuba, Jamaica, Puerto Rico, St. Lucia, Trinidad, Mexico, Guatemala, Venezuela to Paraguay

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

*C. politus* (Sharp) 1887: 718; Irmeler 1991: 86

*Clavilispinus rulomus* (Blackwelder) 1945: 160

**Distribution.** Cuba, Jamaica, St. Vincent, Guadeloupe, St. Lucia, México, Guatemala, Costa Rica, Panama, Brazil, Peru

**Cuba localities.** Gr: Yara

**Collections.** Chicago

***Espeson* Schaufuss 1882: 168**

*E. moratus* Schaufuss 1882: 168; Blackwelder 1943: 146

**Distribution.** Cuba, Jamaica, Puerto Rico, widespread Lesser Antilles, Trinidad

**Cuba localities.** Ci: Soledad

**Collections.** Chicago. Cambridge

***Lispinus* Erichson 1839: 31**

*L. cordobensis* Bernhauer 1929: 187; Irmeler 1991: 59; 2000: 83

**Distribution.** Cuba, Hispaniola, México, Guadeloupe, Costa Rica, Guatemala, St. Vincent, Grenada

**Cuba localities.**

**Collections.** Chicago

*L. cubensis* Irmeler 1994: 63

**Distribution.** Cuba, Jamaica

**Cuba localities.** PR: Sierra "Rampe" (=Rangel) (t.l.)

**Collections.** Chicago (type)

- L. insularis* Fauvel in Chevrolat and Fauvel 1863: 442; Gundlach 1891: 67; Blackwelder 1943: 136; Irmeler 1994: 63; 2000: 85  
**Distribution.** Cuba, Hispaniola, Jamaica, widespread Lesser Antilles; not Panamá, México, Costa Rica  
**Cuba localities.** Ha: Caimito. M: Cárdenas; Yumuri-Tal [Valley]  
**Collections.** Chicago. Gundlach no. 607
- L. laticollis* Erichson 1840: 828; Jacquelin du Val 1856: 45; Chevrolat and Fauvel 1863: 442; Gundlach 1891: 67; Blackwelder 1943: 131; Irmeler 1994: 58  
**Distribution.** Cuba (type locality), Puerto Rico, Panamá, Costa Rica, Brazil  
**Cuba localities.** Widespread  
**Collections.** Cambridge. Chicago. Gundlach no. 616. London. New York. Washington
- L. striola* Erichson 1840: 829; Jacquelin du Val 1856: 46; Gundlach 1891: 67; Blackwelder 1943: 135; Irmeler 1994: 57  
**Distribution.** Cuba, Puerto Rico, México to Nicaragua, Trinidad, Colombia, Peru, Brazil  
**Cuba localities.** Ci: Cayamas. M: Cárdenas  
**Collections.** Chicago. Gundlach no. 94. Washington
- Nacaeus* Blackwelder 1943: 82**
- N. dejectus* (Sharp) 1887: 721 (*Lispinus*)  
**Distribution.** Cuba, Mexico, Guatemala, Costa Rica, Panama, Colombia  
**Cuba localities.**  
**Collections.** Chicago
- N. fauveli* Sharp 1887: 720 (*Lispinus*)  
**Distribution.** Cuba, Mexico, Belize, Guatemala, Colombia  
**Cuba localities.**  
**Collections.** Chicago
- N. impar* (Cameron) 1913: 322; Blackwelder 1943: 122 (*Pseudolispinodes*)  
**Distribution.** Cuba, Jamaica, Hispaniola, Montserrat, St. Lucia, St. Vincent, Trinidad  
**Cuba localities.**  
**Collections.** Washington
- N. irregularis* (Blackwelder) 1943: 124 (*Pseudolispinodes*)  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe, Mexico, Panama, Brazil  
**Cuba localities.** Ci: Cayamas; Soledad. Ha: Havana  
**Collections.** Cambridge. Chicago. Washington
- N. laetus* (Sharp) 1876: 417 (*Lispinus*)  
**Distribution.** Cuba, Brazil, Bolivia  
**Cuba localities.**  
**Collections.** Chicago
- N. nigrifrons* (Fauvel in Chevrolat and Fauvel 1863: 443 (*Lispinus*); Gundlach 1891: 68; Blackwelder 1943: 128 (*Pseudolispinodes*)  
**Distribution.** Cuba, Hispaniola, Montserrat, Guadeloupe, St. Lucia, Mexico, Costa Rica, Panama, Colombia to Brazil  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Gundlach no. 678. Washington
- N. opacus* (Fauvel) 1864: 51 (*Lispinus*)  
**Distribution.** Cuba, Jamaica, Mexico, Guatemala, Costa Rica, Ecuador, Peru, Bolivia, Brazil, sw USA (AZ)  
**Cuba localities.**  
**Collections.** Chicago
- N. spagazzinii* (Bernhauer) 1933: 326 (*Lispinus*)  
**Distribution.** Cuba, Costa Rica, Panama, Colombia to Surinam and Argentina  
**Cuba localities.**  
**Collections.** Chicago
- N. tenellus* (Erichson) 1840: 830 (*Lispinus*); Chevrolat and Fauvel 1863: 443; Gundlach 1891: 68; Blackwelder 1942: 82 (*Nacaeus*), 1943: 126 (*Pseudolispinodes*)  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, México to Costa Rica, Colombia to Brazil, widespread se USA (AZ-PA-FL)  
**Cuba localities.** Ci: Cayamas. Ha: Havana  
**Collections.** Washington
- N. tenuis* (LeConte) 1863: 60 (*Lispinus*)  
**Distribution.** Cuba, Mexico, Costa Rica, Colombia, USA (CA-FL-SC)  
**Cuba localities.**  
**Collections.** Chicago
- Thoracophorus* Motschulsky 1837: 98**
- T. brevicristatus* (Horn) 1871: 332 (*Glyptoma*); Blackwelder 1943: 150; Irmeler 1985: 48  
**Distribution.** Cuba, Martinique, St. Thomas, Guadeloupe, México, Costa Rica, USA (AZ, FL)  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Washington
- T. guadelupensis* Cameron 1913: 323; Blackwelder 1943: 151; Irmeler 1985: 54  
**Distribution.** Cuba, St. Thomas, Guadeloupe to Grenada, México to Brazil  
**Cuba localities.** Ci: Cayamas. SS: Mina Carlota. PR  
**Collections.** Chicago. Washington

## TRIBE OSORIINI

***Holotrochus* Erichson 1839: 30**

*H. minor* Fauvel in Chevrolat and Fauvel 1863: 437; Gundlach 1891: 63; Blackwelder 1943: 165 (*Neotrochus*)

**Distribution.** Cuba, Jamaica, Grenada, Trinidad, Venezuela, Brazil

**Cuba localities.** Ci: Cayamas; Soledad

**Collections.** Cambridge. Washington

***Mimogonus* Fauvel 1903: 261.**

*M. fumator* (Fauvel) 1889: 246 (*Osorius*); Blackwelder 1943: 172; Irmeler 1981: 143

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe, Mexico, Africa, Oriental Region

**Cuba localities.**

**Collections.** Cambridge

***Osorius* Latreille 1829: 438**

(*O. buscki* Notman 1925: 19)

**Distribution.** Cuba? Hispaniola

**Cuba localities.**

**Collections.** Chicago

*O. crenulifrons* Notman 1925: 9; Blackwelder 1943: 178

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: San Diego de los Baños (t.l.)

**Collections.** Washington (type)

*O. cubensis* Blackwelder 1943: 181

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad.. Gu: Imias. PR: San Antonio de los Baños (t.l.); Rangel Mts. SS: Buenos Aires

**Collections.** Cambridge. Washington (type)

*O. darlingtoni* Blackwelder 1943: 177

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Upper Ovando River. SC: Pico Turquino (t.l.)

**Collections.** Cambridge (type). Washington

*O. eggarsi* Bernhauer 1904: 19; Blackwelder 1943: 196

**Distribution.** Cuba, Jamaica, Hispaniola, St. Thomas, Panama

**Cuba localities.** SC: Santiago

**Collections.** New York

*O. exiguus* Notman 1925: 7; Darlington 1937: 300; Blackwelder 1943: 199

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*O. haitiellus* Darlington 1937: 299; Blackwelder 1943: 191

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Gu: Mts. N of Imias

**Collections.** Cambridge. Washington

*O. latipes* (Gravenhorst) 1906: 198 (*Oxytelus*); Blackwelder 1943: 188

**Distribution.** Cuba, USA (TX-SD-PA-FL)

**Cuba localities.** Ci: Soledad

**Collections.** Cambridge

*O. manni* Notman 1925: 9; Blackwelder 1943: 183

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Pinares (t.l.). Gu: Yunque de Baracoa

**Collections.** Cambridge. Washington (type)

*O. micros* Sharp 1887: 682

**Distribution.** Cuba, Guatemala, Honduras, Panama, Brazil

**Cuba localities.**

**Collections.** Chicago

*O. oriente* Blackwelder 1943: 187

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Mts. N of Imias (t.l.)

**Collections.** Cambridge (type). Washington

*O. schwarzi* Notman 1925: 7; Blackwelder 1943: 191

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Cambridge. Chicago. Washington (type)

*O. socors* Darlington 1937: 294; Blackwelder 1943: 183

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Chicago. Cambridge (type)

*O. strictus* Blackwelder 1943: 182

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Mts. N of Imias (t.l.)

**Collections.** Chicago. Cambridge (type)

*O. turquinus* Blackwelder 1943: 188

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Cambridge (type). Chicago. Washington

## SUBFAMILY OXYTELINAE

(see Herman 1970)

## TRIBE THINOBIINI

***Bledius* Leach 1819: 174**

*B. beattyi* Blackwelder 1943: 117; Herman 1972: 160; Thayer and Purrington 2004:441

- Distribution.** Cuba, Puerto Rico, Virgin Islands, Mexico, Colombia, USA (FL Keys)  
**Cuba localities.** Ha: Almendares; Playa Marianao  
**Collections.** Chicago. Cambridge
- B. ceratus* Blackwelder 1943: 118; Herman 1972: 164  
**Distribution.** Cuba, Jamaica, Hispaniola, Bahamas, USA (FL)  
**Cuba localities.** Gu: Boqueron  
**Collections.** Cambridge. Chicago
- B. cubensis* Blackwelder 1943: 115  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Chicago. Washington (type)
- [*B. jamaicensis* Blackwelder 1943: 117 (Cuba record); Herman 1986: 156 (Cuba not mentioned, but not excluded)]  
**Distribution.** Jamaica, not Cuba
- (*B. mandibularis* Erichson 1840: 765; Herman 1972: 191)  
**Distribution.** Bahamas, Cayman Islands, USA (widespread FL-TX-UT-MA), Canada  
**Cuba localities.**  
**Collections.**
- B. semiferrugineus* LeConte 1863: 52; Herman 1972: 205, 1986: 176  
**Distribution.** Cuba, e USA, Canada  
**Cuba localities.** Based on old records, needs confirmation  
**Collections.** Berlin
- Carpelimus* Samouelle 1819: 174**
- C. aequalis* (Jacquelin du Val) 1857: 44 (*Troglophloeus*); Chevrolat and Fauvel 1863: 441; Blackwelder 1943: 82  
*Troglophloeus amplicolis* (Bierig) 1935: 17 (Ha: Marianao (t.l.), Chicago, type)  
**Distribution.** Cuba, Bermuda, Bahamas, Jamaica  
**Cuba localities.** Ha: Playa Marianao  
**Collections.** Chicago. Gundlach no. 1736
- C. aridus* (Jacquelin du Val) 1857: 43 (*Troglophloeus*); Chevrolat and Fauvel 1863: 439; Gundlach 1891: 65; Blackwelder 1943: 73  
**Distribution.** Cuba, Barbados, Grenada, Trinidad  
**Cuba localities.** Gu: Guantánamo; La Coronella. Ci: Soledad  
**Collections.** Cambridge. Chicago. Gundlach no. 1552. Washington
- C. conformis* Blackwelder 1943: 82  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: El Cano (t.l.)
- Collections.** Chicago. Washington (type)
- C. corticinus* (Gravenhorst) 1806: 192 (*Oxytelus*)  
*C. fulvipennis* (Fauvel) in Chevrolat and Fauvel 1863: 440 (*Troglophloeus*); Gundlach 1891: 66; Blackwelder 1943: 86  
**Distribution.** Cuba (introduced), Jamaica, cosmotropical, native to Old World  
**Cuba localities.** M: Cárdenas  
**Collections.** Chicago
- C. cubensis* (Bierig) 1935: 15 (*Troglophloeus*); Blackwelder 1943: 71  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Ha: Rio Almendares; Playa Jaimanitas; Valle Yumurí. PR: near Rangel  
**Collections.** Chicago (type)
- C. demmeli* (Bierig) 1935: 16 (*Troglophloeus*); Blackwelder 1943: 85  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Sierra de Anafe, Caimito del Guayabal; Vedado  
**Collections.** Chicago (type)
- C. discipennis* (Bierig) 1935: 16 (*Troglophloeus*); Blackwelder 1943: 80  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Rio Almendares; Playa Marianao. PR: near Cayajabos  
**Collections.** Chicago (type)
- C. dissonus* (Bierig) 1935: 11 (*Troglophloeus*); Blackwelder 1943: 83  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Rio Almendares; Laguna La Canoa; Playa Marianao. PR: Aspiro  
**Collections.** Chicago (type)
- C. flavipes* (Erichson) 1840: 808 (*Troglophloeus*); Jacquelin du Val 1856: 44; Chevrolat and Fauvel 1863: 441; Gundlach 1891: 66; Blackwelder 1943: 77  
*Troglophloeus hiemalis* (Bierig) 1935: 13 (Ha: Playa Marianao (t.l.), Chicago (type))  
*Troglophloeus flavibasis* (Bierig) 1935: 13; Cayajabos, t.l.  
**Distribution.** Cuba, Bahamas to Grenada, Mexico, Central America  
**Cuba localities.** Ci: Cayamas. Ha: Playa Marianao. PR: Sierra Rosario, near Cayajabos; Aspiro  
**Collections.** Chicago. Gundlach no. 1332. Washington
- C. fulvipes* (Erichson) 1840: 804 (*Troglophloeus*); Jacquelin du Val 1856: 43; Chevrolat and Fauvel 1863: 439; Gundlach 1891: 65; Blackwelder 1943: 62  
*Troglophloeus aequalis*, Gundlach 1891: 66 (misidentification of *aequalis* Jacquelin du Val)



- Troglyphoeus rubripennis* Fauvel in Chevrolat and Fauvel 1863: 440  
**Distribution.** Cuba to Grenada, Brazil, Argentina, Mexico, Central America, USA (FL, HI, TX)  
**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. Ha: Rio Almendares; Cayajabos. M: Cárdenas. SC: Cauto El Cristo. SS: Trinidad Mts  
**Collections.** Cambridge. Chicago. Gundlach no. 563. Washington
- C. haplomus* Blackwelder 1943: 79  
**Distribution.** Cuba, St. Croix  
**Cuba localities.**  
**Collections.** Chicago
- C. imitator* (Bierig) 1935: 14 (*Troglyphoeus*); Blackwelder 1943: 72  
**Distribution.** Cuba to Guadeloupe  
**Cuba localities.** Ci: Cayamas. PR: Aspiro, Sierra Rosario. Ha: Rio Almendares; Cayajabos  
**Collections.** Chicago. Washington
- C. phaios* Blackwelder 1943: 75  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Ci: Cayamas. PR: Viñales  
**Collections.** Chicago. Washington
- C. politus* Kiesenwetter 1850: 221  
**Distribution.** Cuba (introduced?), Japan, China, Poland  
**Cuba localities.**  
**Collections.** Chicago
- C. prolixus* (Bierig) 1935: 12 (*Troglyphoeus*); Blackwelder 1943: 79  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Rio Almendares; Laguna La Canoa; Marianao. PR: Aspiro  
**Collections.** Chicago (type). Washington
- C. sericeus* (Cameron) 1923: 392; Bierig 1935: 10; Blackwelder 1943: 63  
*Troglyphoeus sextagonalis* (Bierig) 1935: 10 (t.l. not specified, Chicago (type))  
**Distribution.** Cuba, Jamaica, St. Croix  
**Cuba localities.** Ha: Rio Almendares; Laguna La Canoa; Sierra de Anafe, Caimito del Guayabal. PR: Aspiro, Sierra Rosario  
**Collections.** Chicago. Washington
- C. varicornis* (Bernhauer) 1904: 24; Blackwelder 1943: 73  
**Distribution.** Cuba, Hispaniola to Grenada, Trinidad  
**Cuba localities.** Ci: Soledad. Gu: Maisi; Sabana la Mar. SC: Cauto El Cristo  
**Collections.** Cambridge. Chicago. Washington
- Thinobius* Kiesenwetter 1884: 355**  
*T. nitidulus* Bernhauer 1905: 11; Blackwelder 1943: 109  
**Distribution.** Cuba, Jamaica, Puerto Rico, Grenada  
**Cuba localities.** Ha: Mariel. PR: Aspiro; Cayajabos; Rangel; Sierra Rosario  
**Collections.** Chicago. Cambridge. Washington
- T. opaculus* Cameron 1923: 396; Blackwelder 1943: 106  
*T. morio* Bierig 1934: 217 (t.l., Ha: Rio Almendares; Chicago, type)  
*T. nebulosus* Bierig 1934: 218 (t.l., Playa Marianao; Chicago, type)  
*T. cubensis* Bierig 1934: 219 (t.l. not specified; Chicago, type)  
**Distribution.** Cuba, Jamaica, Hispaniola  
**Cuba localities.** Ha: Laguna Somorrostro; Rio Almendares; Playa Marianao; Laguna Canoa; Sierra de Anafe del Guayabal. PR: Aspiro  
**Collections.** Chicago, Washington
- T. ornatus* Cameron 1923: 397; Blackwelder 1943: 105  
*T. tenebrophilus* Bierig 1934: 215 (t.l. not specified; Chicago, type)  
*T. flavifer* Bierig 1934: 216 (t.l. not specified; Chicago, type)  
**Distribution.** Cuba, Jamaica, Hispaniola  
**Cuba localities.** Ha: Rio Almendares; Sierra de Anafe, Caimito del Guayabal; La Lisa; Vedado. PR: Sierra Organos, San Vicente  
**Collections.** Chicago
- T. torrei* (Bierig) 1934: 214 (*Torrentomus*); Blackwelder 1943: 87.  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Sierra del Grillo (t.l.)  
**Collections.** Chicago (type)
- Thinodromus* Kraatz 1858: 866**  
*T. croceipes* (Fauvel) 1863: 438; Blackwelder 1943: 61 (*Carpelimus*)  
*Trogophlaeus arcuatus* Fauvel in Chevrolat and Fauvel 1863: 438; Gundlach 1891: 64  
**Distribution.** Cuba, Jamaica, Hispaniola, Montserrat, Guadeloupe  
**Cuba localities.** PR: Sierra del Rosario; Hongolosongo. SC: Daiquiri. SS: San Blas, Trinidad Mts  
**Collections.** Cambridge. Chicago. London (type). Washington
- T. smithi* (Bernhauer) 1908: 229 (*Troglyphoeus*); Blackwelder 1943: 67; Herman 2001: 1774



**Distribution.** Cuba, Hispaniola to Trinidad, Bolivia, Argentina

**Cuba localities.** Ci: Soledad. Ha: Guanabo; Hongolosongo. PR: Aspiro.

**Collections.** Cambridge. Chicago. Washington

#### TRIBE OXYTELINI

##### **Anotylus Thomson 1859: 44**

*A. glareosus* Wollaston 1854: 610

**Distribution.** Cuba, Jamaica, Grenada, St. Vincent

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago

*A. insignitus* (Gravenhorst) 1806: 188; Jacquelin du Val 1856: 20; Chevrolat and Fauvel 1863: 438; Gundlach 1891: 64; Blackwelder 1943: 92 (all *Oxytelus*); Herman 1970: 418; Hammond 1976: 174

**Distribution.** Cuba, Jamaica, Hispaniola, México to Argentina, e Canada, USA

**Cuba localities.** M: Cárdenas; Matanzas. Ci: Cayamas. Soledad

**Collections.** Chicago. Gundlach no. 409. Cambridge. Washington

*A. scorpio* Fauvel 1904: 107

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Chicago

*A. tetracarínatus* (Block) 1799: 116 (*Staphylinus*)

**Distribution.** Cuba (introduced), Canada, USA; native to the Palearctic

**Cuba localities.**

**Collections.** Chicago

*A. vinsoni* (Cameron) 1936: 201; Hammond 1976: 177

**Distribution.** Cuba (introduced), Jamaica, Old World tropics, Pacific Islands

**Cuba localities.**

**Collections.**

##### **Oxytelus Gravenhorst 1802: 101**

*O. incisus* Motschulsky 1857: 504; Blackwelder 1943: 96

**Distribution.** Cuba (introduced), Bermuda, Jamaica, Hispaniola, Puerto Rico, widespread Lesser Antilles, Mexico, Panama, Canada, USA (TX, FL); cosmotropical-subtropical

**Cuba localities.** Ci: Cayamas; Soledad. CA: Baraguá

**Collections.** Cambridge. Chicago. New York. Washington

(*O. sculptus* Gravenhorst 1806: 191

**Distribution.** Haiti, temperate South America, Canada (BC), USA (CA-IN-FL); worldwide in temperate regions; probably native to Africa

**Cuba localities.**

**Collections.**

##### **Platystethus Mannerheim 1830: 46**

*P. spiculus* Erichson 1840: 784; Blackwelder 1943: 110

*P. exiguus* Jacquelin du Val 1856: 41; Chevrolat and Fauvel 1863: 438; Gundlach 1891: 63

**Distribution.** Cuba, Jamaica, Hispaniola, Lesser Antilles, Mexico, Guatemala, Panama, Colombia, Venezuela, USA (TX, FL)

**Cuba localities.**

**Collections.** Chicago

#### SUBFAMILY MEGALOPSIDIINAE

##### **Megalopinus Eichelbaum 1915: 104**

*M. rambouseki* (Bierig) 1934: 220 (*Megalopsida*); Blackwelder 1943: 208 (*Stylopodus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Sierra Bonilla. PR: Rio Hondo, Carretera de Batanaó; Aspiro, Sierra Rosario

**Collections.** Chicago

#### SUBFAMILY STENINAE

##### **Stenus Latreille 1797: 77**

*S. bakeri* Bernhauer 1910: 364; Blackwelder 1943: 213; Puthz 1973: 50, 1974: 48

*S. mutchleri* Blackwelder 1943: 218. PR: 7 km n Viñales (t.l.). Candelaria. Ci: Soledad. Cambridge. New York. Washington (type)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Ha: Havana (t.l.), Almendares; Laguna la Canoa. PR: Aspiro; Viñales

**Collections.** Cambridge. Chicago (type)

*S. callosus* Erichson 1840: 737

*S. callosus juanae* Puthz 1984: 138. Cuba; endemic subspecies

**Distribution.** Cuba, the nominate subspecies occurs in the eastern USA

**Cuba localities.** Ci: Soledad. Ha: Havana; Laguna La Canoa. PR: San Vicente (t.l.). SC: St. Clara. SS: Sierra Escambray

**Collections.** Amsterdam. Cambridge. Chicago. London. Washington (type)

*S. columbus* Puthz 1984: 122

**Distribution.** Cuba. Endemic

- Cuba localities.** PR: El Sábicu (t.l.); Aspiro-Rangel; El Rangel  
**Collections.** Chicago (type)
- S. cubensis* Bernhauer 1910: 364; Blackwelder 1943: 225  
**Distribution.** Cuba, USA (AL-NY-FL)  
**Cuba localities.** Ci: Soledad. Ha: Havana (t.l.)  
**Collections.** Cambridge. Chicago (type?). Washington
- S. gentilis* Sharp 1886: 52; Puthz 1973: 52  
*S. cubanus* Blackwelder 1943: 221; Puthz 1974: 56. Ci: Cayamas (t.l.). Ha: Playa Guanabo; Rio Almendares; Rio Cristal. Laguna la Canoa. Washington (type)  
*S. hispaniolus* Blackwelder 1943: 224. Ci: Soledad. SS: Buenos Aires. .PR: Hongolosongo. Cambridge. Washington  
**Distribution.** Cuba, Hispaniola, Mexico, Guatemala, Belize, Costa Rica, Panama, Ecuador  
**Cuba localities.** As above  
**Collections.** Chicago. Chicago. Washington
- S. paludivagans* Puthz 2000: 172  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Ciénaga Zapata [Zapata], Playa Larga; 2 km NE Palpite. PR: San Vicente (t.l.)  
**Collections.** Geneva. Schlitz (Puthz). Washington (type)
- S. podagricus* Sharp 1886: 667; Puthz 1984: 69, 90  
*S. dyeri* Blackwelder 1943: 220 ( Washington (type)  
**Distribution.** Cuba, Mexico, Honduras, Nicaragua  
**Cuba localities.**  
**Collections.** Chicago
- S. sectilifer* Casey 1884: 110  
*S. odius* Blackwelder 1943: 213. Ci: Soledad (t.l.). Cambridge (type)  
**Distribution.** Cuba. Jamaica, Mexico, USA (DC-FL)  
**Cuba localities.**  
**Collections.** Chicago
- SUBFAMILY EUAESTHETINAE**
- Edaphus* Motschulsky 1857: 7**  
*E. cubanus* Puthz 1997: 138  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Playa Marianao (t.l.)  
**Collections.** Chicago (type)
- E. ferdinandae* Puthz 1997: 145  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra del Rosario; Rangel (t.l.)  
**Collections.** Chicago (type)
- Euaesthetus* Gravenhorst 1806:201; key to species in Puthz 2001: 32**  
*E. americanus* Erichson 1840: 747  
**Distribution.** Cuba, México?, Panama?, Canada (ON, PQ), USA (widespread eastern)  
**Cuba localities.**  
**Collections.** Chicago
- E. chantali* Puthz 1998: 236  
**Distribution.** Cuba, Canada (ON), USA (MA, MI, NH, TX)  
**Cuba localities.** “Cuba”  
**Collections.** Chicago
- E. columbus* Puthz 1998: 226  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Sierra de Anafe, Caimito del Guayabal (t.l.)  
**Collections.** Chicago (type)
- E. cubanus* Puthz 1998: 224  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Rio Ariguanabo; Rio Cristal. PR: Sierra del Rosario, Aspiro (t.l.). Laguna La Canoa  
**Collections.** Chicago (type); London
- E. juanaensis* Puthz 1998: 240  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra del Rosario, Aspiro (t.l.). Sister species of *E. atomus* Casey 1884: 28 of Florida, wrongly reported from Cuba  
**Collections.** Chicago (type)
- E. pugetensis* Hatch 1957: 241; Puthz 2001: 30  
**Distribution.** Cuba, Canada (widespread), USA (widespread)  
**Cuba localities.** Ha: Caimito del Guayabal; Rio Almendares; Punta Brava. PR: Aspiro  
**Collections.** Chicago
- Octavius* Fauvel 1873: 62**  
*O. bermudezi* Bierig 1934: 222 (*Exoctavius*); Blackwelder 1943: 227  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra del Rosario, Sumidero Rio Taco Taco (t.l.); Aspiro  
**Collections.** Chicago (type). Washington

***Tamotus* Schaufuss 1877: 289**

*T. femoratus* Schaufuss 1874: 289; Blackwelder 1943: 227

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Berlin? Chicago

**SUBFAMILY LEPTOTYPHlinae**  
**TRIBE NEOTYPHlinae**

***Cubanotyphlus* Coiffait and Decou 1972: 131;**

Frank and Thomas 1984: 1412

*C. jimenezi* Coiffait and Decou 1972: 132

**Distribution.** Cuba. Endemic An eyeless soil species

**Cuba localities.** SC: Gran Piedra, valle Rio Indio (t.l.)

**Collections.** Bucharest (type)

*C. poeyi* Decou 1973: 359

**Distribution.** Cuba. Endemic An eyeless soil species

**Cuba localities.** Gu: Sierra Baracoa, Arroyo La Jaiba at Palenque (t.l.)

**Collections.** Bucarest (type)

**SUBFAMILY PAEDERINAE**  
**TRIBE PAEDERINI**  
**SUBTRIBE ASTENINA**

***Astenus* Stephens 1832: 275**

*A. cubensis* Blackwelder 1943: 367

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Cayamas (t.l.); Limones; Soledad. SS: Jatibanico

**Collections.** Cambridge. Chicago. Washington (type)

**SUBTRIBE CRYPTOBIINA**

***Biocrypta* Casey 1905: 26**

*B. cubensis* Blackwelder 1943: 340

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Cambridge (type). Washington

***Homaeotarsus* Hochhuth 1851: 34**

*H. albipes* (Erichson) 1840: 566 (*Cryptobium*); Blackwelder 1943: 328

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, St. Vincent, Grenada, South America, Mexico, Guatemala

**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. Gr: Cauto El Cristo; Marcata, Rio Bayamo.. Gu: Imias. SC: Aguadores.

**Collections.** Cambridge. Chicago. Washington

*H. solus* Blackwelder 1943: 327

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Ci: Cayamas (t.l.). Gu: Mt. N of Imias. SC: Loma del Gato; Pico Turquino; Gran Piedra

**Collections.** Cambridge. Chicago. Washington (type)

*H. testaceipes* (Bierig) 1935: 39 (*Gastrolobium*); Blackwelder 1943: 330

*Gastrolobium congener* Bierig 1935: 40 (PR: Sierra del Rosario, Rio Taco-Taco, t.l.; Chicago, type)

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Ci: Soledad. PR: Sierra del Rosario, Rio Taco Taco. Guanabo. Ha: Sierra de Anafe, Caimito del Guayabal. Aspiro.. Gu: Maisi. PR: Rangel Mts. SS: Buenos Aires

**Collections.** Cambridge. Chicago. Washington

***Ochtheophilum* Stephens 1829: 287**

*O. atlanticum* (Bierig) (*Cryptobiella*) 1935: 41; Blackwelder 1943: 332

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Playa Marianao; mouth of Rio Cojimar, in algae

**Collections.** Chicago

*O. darlingtoni* Blackwelder 1943: 334

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Cambridge (type). Chicago

**SUBTRIBE ECHIASTERINA**

***Echiaster* Erichson 1840: 636**

*E. microps* Blackwelder 1943: 370

**Distribution.** Cuba, Montserrat

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

*E. waterhousei* Cameron 1913: 336; Blackwelder 1943: 371

**Distribution.** Cuba, Jamaica, Hispaniola, St. Vincent, Grenada

**Cuba localities.** Ha: Marianao

**Collections.** Chicago. London?

***Sphaeronum* Sharp 1876: 225**

*S. berberum* Blackwelder 1943: 375

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Cambridge (type). Chicago

## SUBTRIBE LATHROBIINA

***Lathrobium* Gravenhorst 1802: 51**

*L. rubidum* (Fauvel) in Chevrolat and Fauvel 1863: 436 (*Lithocharis*) 1863: 436; Gundlach 1891: 62; Blackwelder 1943: 314

**Distribution.** Cuba, Jamaica, Hispaniola, Mexico?

**Cuba localities.** Ci: Cayamas; Soledad. M: Cárdenas

**Collections.** Cambridge. Chicago. Washington

*L. tetricum* (Casey) 1905: 110 (*Tetartopeus*); Watrous 1980: 320

*L. canoensis* Bierig 1934: 325 (*Tetartopaesus*); Blackwelder 1943: 309; Laguna La Canoa, t.l.; Chicago, type

**Distribution.** Cuba, USA (FL)

**Cuba localities.** PR: Laguna La Canoa.

**Collections.** Chicago. Washington (type)

***Lobrathium* Mulsant and Rey 1878: 78**

*L. discolor* (Erichson) 1840: 598; Blackwelder 1943: 313

**Distribution.** Cuba, Hispaniola, St. Thomas

**Cuba localities.** Ci: Soledad. SC: Aguadores

**Collections.** Cambridge. Chicago. Washington

*L. odium* Blackwelder 1943: 318

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Chicago. Washington (type)

***Pseudolathra* Casey 1905: 129**

*P. margipallens* (Jacquelin du Val) 1857: 41 (*Lathrobium*); Blackwelder 1943: 316

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Cayamas; Soledad. Gu: Maisi

**Collections.** Cambridge. Chicago. Washington

*P. nitidum* (Erichson) 1840: 599 (*Lathrobium*); Blackwelder 1943: 315

**Distribution.** Cuba, Hispaniola, St. Croix, St. Lucia, Colombia, Uruguay, Argentina, USA (FL, MI)

**Cuba localities.** SC: Aguadores

**Collections.** Cambridge. Chicago. Washington

## SUBTRIBE MEDONINA

***Achenomorphus* Motschulsky 1858: 647**

*A. cubensis* (Blackwelder) 1943: 251 (*Aderocharis*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Soledad

**Collections.** Cambridge. Chicago. Washington (type)

*A. suturalis* (Blackwelder) 1943: 254 (*Aderocharis*)

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.** Ci: Soledad

**Collections.** Cambridge. Chicago

***Lithocharis* Boisduval and Lacordaire 1835: 431**

*L. dorsalis* Erichson 1840: 616; Blackwelder 1943: 247

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico to Trinidad

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

*L. heres* Blackwelder 1943: 249

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Soledad

**Collections.** Cambridge. Chicago. Washington (type)

***Medon* Stephens 1832: 273**

*M. cordatum* Blackwelder 1943: 276

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Buenos Aires. (t.l.)

**Collections.** Chicago. Cambridge (type)

*M. cubanum* Blackwelder 1943: 274

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.); Pico Turquino

**Collections.** Cambridge (type). Chicago. Washington

*M. schwarzi* Blackwelder 1943: 275

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Soledad. PR: Rangel

**Collections.** Chicago. Cambridge. Washington (type)

***Stilomedon* Sharp 1886: 565**

*S. audanti* Blackwelder 1943: 258

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Croix

**Cuba localities.** CA: Baraguá. Ci: Cayamas (t.l.); Soledad

**Collections.** Cambridge. Chicago. Washington (type)

*S. connexus* (Sharp) 1876: 254 (also spelled *convexa*) (*Lithocharis*); Blackwelder 1943: 257; 262



**Distribution.** Cuba, Jamaica, Hispaniola, Guadeloupe to Trinidad, South America, Mexico, Panama

**Cuba localities.**

**Collections.** Chicago. Washington

*S. insularum* (Cameron) 1923: 399 (*Medon*); Blackwelder 1943: 256

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Ha: Santiago de las Vegas.

Ci: Cayamas

**Collections.** Chicago. Washington

***Sunius* Stephens 1829: 287**

*S. debilicornis* (Wollaston) 1857: 194 (*Lithocharis*); Blackwelder 1943: 267

**Distribution.** Cuba, Jamaica, St. Croix to Trinidad, South America, Mexico, Central America, USA (SC, TX, FL)

**Cuba localities.** Ci: Cayamas; Soledad

**Collections.** Cambridge. Chicago. Washington

*S. ferrugineus* (Bierig) 1934: 326 (*Medonella*); Blackwelder 1943: 262

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Playa Marianao, in algae on beach (t.l.)

**Collections.** Chicago

*S. occipitalis* (Bierig) 1934: 329 (*Xenocharis*); Blackwelder 1943: 263

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. Ha: Cruz de Piedra. PR: San Vicente, Sierra Organos; near Rangel; Aspiro; Bejucal

**Collections.** Chicago. Washington

***Thinocharis* Kraatz 1859: 142**

*T. bakeri* Casey 1910: 188; Blackwelder 1943: 233

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Chicago. Washington (type)

*T. exilis* Erichson 1840: 627; Blackwelder 1943: 237

*T. pertenuis* (Casey) 1910: 188 (Ci: Cayamas. t.l.; Washington, type)

**Distribution.** Cuba, Antigua, Dominica, St. Lucia, Trinidad, Guatemala, Panama, Colombia, Brazil, Argentina., USA (AL, FL)

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

SUBTRIBE PAEDERINA

***Paederus* Fabricius 1775: 268**

*P. zayasi* Sanderson 1967: 61 (with key to species of Greater Antilles)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Champaign (type). Zayas

SUBTRIBE SCOPAEINA

***Orus* Casey 1884: 136**

*O. cameroni* Blackwelder 1943: 278

**Distribution.** Cuba, Jamaica, Hispaniola, Grenada

**Cuba localities.** CA: Baraguá. Ci: Cayamas

**Collections.** Chicago. Washington

***Scopaeus* Erichson 1840: 604**

*S. angusticollis* Cameron 1913: 346; Blackwelder 1943: 289

*S. illustris* Chevrolat and Fauvel 1863: 436; Gundlach 1891: 62 (misidentified, not from Cuba? Blackwelder 1943: 280)

**Distribution.** Cuba, Grenada

**Cuba localities.** SC: Aguadores

**Collections.** Cambridge. Chicago. Gundlach no. 940

*S. antennalis* Cameron 1913: 349; Blackwelder 1943: 284

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Croix, Guadeloupe, St. Lucia

**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. SC: Aguadores

**Collections.** Cambridge. Chicago. Washington

*S. darlingtoni* Blackwelder 1943: 291

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad Mts., Buenos Aires (t.l.)

**Collections.** Cambridge (type). Chicago

*S. filum* Sharp 1886: 542; Blackwelder 1943: 288

**Distribution.** Cuba, Jamaica, Hispaniola, Guatemala

**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad

**Collections.** Cambridge. Chicago. Washington

*S. illustris* Chevrolat and Fauvel 1863: 436; Gundlach 1891: 62; Blackwelder 1943: 280 (as suspected misidentification needing confirmation)

**Distribution.** Cuba

**Cuba localities.**

**Collections.** Gundlach no. 940

*S. marginatus* Cameron 1913: 349; Blackwelder 1943: 286

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Soledad



**Collections.** Cambridge. Chicago  
*S. rambouseki* (Bierig) 1934: 24 (*Scopaeopsis*);  
 Blackwelder 1943: 292  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá. Ha: Morro; Rio  
 Ariguanabo; Sierra de Anafe, Caimito del  
 Guayabal  
**Collections.** Chicago. Washington

## SUBTRIBE STILICINA

***Rugilus Samouelle 1819: 173***

*R. coprophilus* (Bierig) 1936: 138 (*Stilicus*);  
 Blackwelder 1943: 305  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas; Soledad. IJ  
 (t.l.); PR: Rangel, Sierra del Rosario  
**Collections.** Cambridge. Chicago. Washing-  
 ton

## SUBTRIBE STILICOPSINA

***Stamnoderus Sharp 1886: 607***

*S. labeo* (Erichson) 1840: 648 (*Sunius*); Blackwelder  
 1943: 352  
*S. incarenatus* Bierig 1936: 140  
*S. caribaeus* Bierig 1936: 141  
*S. truncatus* Bierig 1936: 142  
**Distribution.** Cuba, Jamaica, Hispaniola,  
 Puerto Rico, St. John, Guadeloupe, Dominica  
**Cuba localities.** Ci: Cayamas; Soledad. Gu:  
 Baracoa. Ha: Sierra Bonilla. IJ: Sierra de las  
 Casas. PR: Aspiro; El Rangel; Sitio Perdido;  
 Sierra del Rosario; Sierra del Grillo; El Sábicu.  
 SS: Buenos Aires  
**Collections.** Cambridge. Chicago. Washing-  
 ton

***Stiliphacis Bierig 1938: 141***

*S. occipitalis* Bierig 1938: 142  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra del Rosario (t.l.)  
**Collections.** Chicago

***Stilosaurus Blackwelder 1943: 348***

*S. coronalis* Blackwelder 1943: 350  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.); Soledad  
**Collections.** Cambridge. Chicago. Washing-  
 ton (type)

***Suniophacis Blackwelder 1943: 345***

*S. thoracica* (Cameron) 1923: 398; Blackwelder  
 1943: 346

**Distribution.** Cuba. Hispaniola  
**Cuba localities.**  
**Collections.** Chicago

***Suniosaurus Bierig 1938: 139***

*S. quadriiceps* Bierig 1938: 140; Blackwelder 1943:  
 361  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad. Ha: La Lisa;  
 Mariel; Sierra Anafe. PR: Aspiro  
**Collections.** Cambridge. Chicago

TRIBE PINOPHILINI  
SUBTRIBE PINOPHILINA***Araeocerus Nördlinger 1836: 7***

*A. parvipennis* Bierig 1935: 30  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: La Lisa; Playa Mariano;  
 Sierra Bonilla.. PR: Aspiro; El Rangel; Rangel  
 Mountains. SC: Gran Piedra; Loma del Gato.  
 SS: Buenos Aires  
**Collections.** Cambridge. Chicago

***Pinophilus Gravenhorst 1802: 201***

*P. aguayoi* Bierig 1935: 29; Blackwelder 1943: 384  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua; Soledad.  
 Ha: Vedado. PR: Aspiro; El Rangel. SC:  
 Aguadores  
**Collections.** Cambridge. Chicago. Washing-  
 ton  
*P. cubanus* Blackwelder 1943: 379  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.); Soledad  
**Collections.** Cambridge. Chicago. Washing-  
 ton (type)  
*P. flavipes* Erichson 1940: 674; Blackwelder 1943:  
 383  
**Distribution.** Cuba, Bahamas, Cayman Is-  
 lands, Hispaniola, Puerto Rico  
**Cuba localities.** Ca: Central Jaronú. CA:  
 Baraguá. Ci: Cayamas; Soledad. Ha: Laguna  
 La Canoa  
**Collections.** Cambridge. Chicago. Washing-  
 ton  
*P. schwarzi* Blackwelder 1943: 386  
**Distribution.** Cuba, Cayman Islands  
**Cuba localities.** Ci: Cayamas; Soledad  
**Collections.** Cambridge. Chicago. Washing-  
 ton  
*P. subterraneus* Blackwelder 1943: 380  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Buenos Aires (t.l.)

**Collections.** Cambridge (type). Chicago

SUBTRIBE PROCIRRINA

***Palaminus* Erichson 1840: 681**

*P. anacoreta* Bierig 1935: 34; Blackwelder 1943: 388

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Portugalete (t.l.)

**Collections.** Chicago (type)

*P. bermudezi* Bierig 1935: 35; Blackwelder 1943: 389

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: , Sierra del Rosario (t.l.); El Rangel

**Collections.** Chicago (type)

*P. bruchianus* Bierig 1935: 36; Blackwelder 1943: 389

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Playa Marianao (t.l.)

**Collections.** Chicago (type)

*P. coriaceus* Cameron 1913: 331; Blackwelder 1943: 389

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

*P. hylaeus* Bierig 1935: 32; Blackwelder 1943: 390

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Playa Marianao; Sierra Bonilla. PR: Aspiro,;Cayajabos; Coralillo

**Collections.** Chicago (type)

*P. peralutaceus* Bierig 1935: 37; Blackwelder 1943: 391

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: El Rangel (t.l.)

**Collections.** Chicago (type)

*P. pilum* Bierig 1935: 33; Blackwelder 1943: 391

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Sierra Anafe; Portugalete (t.l.). PR: Sierra del Rosario

**Collections.** Chicago (type, female)

*P. rosariensis* Bierig 1935: 38; Blackwelder 1943: 392

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Cayajabos; Sumidero Rio Taco Taco

**Collections.** Chicago (type)

SUBFAMILY STAPHYLININAE

TRIBE DIOCHINI

***Diachus* Erichson 1839: 307**

*D. nanus* Erichson 1839: 301; Chevrolat and Fauvel 1863: 430; Blackwelder 1943: 454

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico to Trinidad, Central America, South America, North America

**Cuba localities.** Ci: Cayamas; Soledad. PR: Aspiro

**Collections.** Cambridge. Chicago. Washington

TRIBE XANTHOLININI

***Lithocharodes* Sharp 1876: 204**

*L. cameroni* Blackwelder 1943: 497

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Chicago. Washington (type)

*L. floridanus* (Leconte) 1880: 170 (*Metaponcus*)

**Distribution.** Cuba, Mexico, se USA

**Cuba localities.**

**Collections.** Chicago

*L. rambouseki* Blackwelder 1943: 500

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Rio Almendares (t.l.)

**Collections.** Chicago. Washington (type)

***Neohypnus* Coiffait and Sáiz 1964: 522**

*N. attenuatus* (Erichson) 1839: 330 (*Xantholinus*); Chevrolat and Fauvel 1863: 430; Gundlach 1891: 56; Blackwelder 1943: 478

**Distribution.** Cuba, Jamaica, Puerto Rico to Trinidad, Mexico, Venezuela, Brazil, Paraguay, Argentina

**Cuba localities.** M: Cárdenas; Soledad. Ha: Almendares

**Collections.** Cambridge. Chicago. London? Gundlach no. 495

*N. humeralis* (Erichson) 1840: 327 (*Xantholinus*); Blackwelder 1943: 479

*Xantholinus puncticeps* Jacquelin du Val 1857: 35; Chevrolat and Fauvel 1863: 430; Gundlach 1891: 57

*Xantholinus punctiger* Gemminger and Harold 1868: 603

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. John, St. Croix, Lesser Antilles

**Cuba localities.** Ci: Cayamas

**Collections.** Chicago. Washington

***Neoxantholinus* Cameron 1944: 783**

*N. testaceipennis* (Fauvel) in Chevrolat and Fauvel 1863: 431 (*Leptacinus*); Blackwelder 1943: 507 (*Oligolinus*)

*Leptacinus pallidipennis* Fauvel 1863: 431; Gundlach 1891: 57

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread  
**Collections.** Cambridge. Chicago. Gundlach no. 64. Washington

*N. variabilis* (Blackwelder) 1943: 508 (*Oligolinus*)

**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Gu: Mts. N of Imias  
**Collections.** Chicago. Cambridge

***Phacophallus* Coiffait 1956: 50**

*P. parumpunctatus* (Gyllenhal) 1827: 481 (*Staphylinus*); Blackwelder 1943: 494 (*Leptacinus*)

**Distribution.** Cuba, Jamaica, Puerto Rico, St. Kitts to Grenada, North America, etc.; probably introduced from Palearctic  
**Cuba localities.**  
**Collections.** Chicago. Washington

***Stenolinus* Bierig 1937: 272**

*S. macrothrichus* Bierig 1937: 275; Blackwelder 1943: 503

**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: El Rangel (t.l.)  
**Collections.** Chicago (type)

***Xantholinus* Dejean 1821: 23.** See Smetana 1982.

The following species of *Xantholinus* may belong to other genera.

*X. beattyi* Blackwelder 1943: 485

**Distribution.** Cuba, Hispaniola, St. Croix  
**Cuba localities.** Ci: Soledad. SC: Gran Piedra; Loma del Gato. SS: Buenos Aires  
**Collections.** Cambridge. Chicago. Washington

*X. cubensis* Blackwelder 1943: 480

**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Imias. Ha: Sierra Bonilla (t.l.). SC: Gran Piedra. SS: Trinidad Mts  
**Collections.** Cambridge. Chicago. Washington

*X. impunctus* Blackwelder 1943: 487

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Cambridge (type). Chicago

TRIBE STAPHYLININI

SUBTRIBE QUEDIINA

***Acylophorus* Nordmann 1837: 127**

*A. hatuey* Bierig 1938: 120; Blackwelder 1943: 469

**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Aspiro; El Rangel; Laguna Somorrostro  
**Collections.** Chicago (type)

*A. insulanus* Bierig 1938: 125; Blackwelder 1943: 468

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Mariel; Laguna de Canoa. IJ.  
**Collections.** Cambridge. Chicago? Washington

***Heterothops* Stephens 1829: 284**

*H. rambouseki* Blackwelder 1943: 465

**Distribution.** Cuba, Jamaica  
**Cuba localities.** Ci: Cayamas. Ha: Havana(t.l.)  
**Collections.** Chicago. London. Washington

SUBTRIBE TANYGNATHININA

***Atanygnathus* Jacobson 1809: 521**

*A. laticollis* (Erichson) 1839: 289 (*Tanygnathus*); Blackwelder 1943: 472

**Distribution.** Cuba, Hispaniola, Puerto Rico, Antigua, St. Vincent, Trinidad  
**Cuba localities.** Ci: Soledad. PR: Rangel Mts. VC: Hanabanillo Falls  
**Collections.** Cambridge. Chicago. Washington

SUBTRIBE STAPHYLININA

***Creophilus* Samouelle 1819: 172**

*C. maxillosus* (Linnaeus) 1758: 421; Blackwelder 1943: 447

*Staphylinus villosus* Gravenhorst 1802: 160; Jacquelin du Val 1856: 36

*C. villosus* (Gravenhorst); Chevrolat and Fauvel 1863: 432; Gundlach 1891: 57

**Distribution.** Cuba, Jamaica, Central America, widespread North America, etc.  
**Cuba localities.** IJ: Los Indios  
**Collections.** Carnegie (*C. villosus*). Chicago. Gundlach no. 491

***Platydracus* Thomson 1858: 29**

*P. tomentosus* (Gravenhorst) 1802: 161 (*Staphylinus*)

*P. antiquus* Nordmann 1837: 35 (*Staphylinus*)

*P. antiquus* of Blackwelder 1943: 446 (misidentified, not *P. antiquus* Nordmann 1837: 35)

*Ocypus cubae* Jacquelin du Val 1857: 36; Chevrolat and Fauvel 1863: 432; Gundlach 1891: 58

**Distribution.** Cuba, Trinidad, South America, Central America, eastern Nearctic  
**Cuba localities.**

**Collections.** Chicago

## SUBTRIBE PHILONTHINA

***Belonuchus* Nordmann 1837: 129**

*B. agilis* Erichson 1840: 423; Jacquelin du Val 1856: 37; Chevrolat and Fauvel 1863: 433; Gundlach 1891: 58; Blackwelder 1943: 327

*B. chevrolati* Fauvel in Chevrolat and Fauvel 1863: 432

**Distribution.** Cuba, Jamaica

**Cuba localities.** Widespread

**Collections.** Chicago. Gundlach no. 302. Washington

*B. gagates* Erichson 1840: 424; Jacquelin du Val 1856: 38; Chevrolat and Fauvel 1863: 433; Gundlach 1891: 59; Blackwelder 1943: 424; Smetana 1995: 737

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico to Montserrat, USA (s FL)

**Cuba localities.** Ci: Cayamas; Soledad. Ha: Marianao; Havana; Santiago de la Vega

**Collections.** Cambridge. Chicago. Gundlach no. 305. London Washington

(*B. rufipennis* (Fabricius) 1801: 597; Smetana 1995: 726)

**Distribution.** Jamaica, Central America, South America, USA (AZ, IN-VA-FL)

**Cuba localities.**

**Collections.**

***Cafius* Stephens 1829: 283**

*C. bistratus* (Erichson) 1840: 502; Blackwelder 1943: 438; Frank 1985: 61; Frank et al. 1986: 149

**Distribution.** Cuba. Bahamas, Jamaica, Puerto Rico to Trinidad, South America, USA (ME-FL), Canada

**Cuba localities.** Ha: Playa de Marianao

**Collections.** Chicago

*C. caribeanus* Bierig 1934: 68; Blackwelder 1943: 437; Frank 1985: 61

**Distribution.** Cuba, Jamaica, Puerto Rico to Grenada, Trinidad, South America, Mexico, Panama, USA (FL)

**Cuba localities.** Ha: Playa de Marianao

**Collections.** Chicago. Washington

*C. rufifrons* Bierig 1934: 68; Frank et al. 1986: 153

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ha: Playa de Marianao (t.l.)

**Collections.** Chicago (type)

*C. subtilis* Cameron 1922: 121; Blackwelder 1943: 436; Frank 1985: 62

**Distribution.** Cuba, Jamaica, Mona, Puerto Rico, St. Croix, St. Kitts, Antigua, Montserrat, Guadeloupe, Dominica, USA (FL)

**Cuba localities.** Ha: Playa Marianao

**Collections.** Chicago. Washington

***Gabronthus* Tottenham 1955: 178**

*G. maritimus* (Motschulsky) 1858: 661 (*Gabrius*)

**Distribution.** Cuba (introduced?), Europe, Congo, South Africa, Mauritius, Reunion, Philippines

**Cuba localities.**

**Collections.** Chicago

(*G. mgogoricus* Tottenham 1955: 183; Smetana 1995: 484)

**Distribution.** Jamaica, Hispaniola, Puerto Rico, Virgin Islands, USA (FL, MS, NC), introduced from Africa; in many kinds of decaying organic materials

**Cuba localities.**

**Collections.**

***Neobisnius* Ganglbauer 1895: 484**

*N. demmeli* Bierig 1933: 54; Frank 1981: 32

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Cayajabos; Sierra del Rosario (t.l.). Ci: Soledad

**Collections.** Cambridge. Chicago, (type). Washington

*N. humilis* (Erichson) 1840: 512 (*Philonthus*); Chevrolat and Fauvel 1863: 435; Gundlach 1891: 61; Blackwelder 1943: 441 (*Erichsonius*); Frank 1981: 18

*Lathrobium margipallens* Jacquelin du Val 1856: 41

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico to Grenada

**Cuba localities.** Widespread

**Collections.** Cambridge. Chicago. Gundlach no. 564. Washington

*N. nigrocoeruleus* (Cameron) 1922: 118; Frank 1981: 26

*Neobisnius carbonarius* (Bierig) 1933: 49 (Sierra del Rosario, t.l.; Chicago, type)

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** PR: Cayajabos; El Rangel; Aspiro; Rio Taco Taco

**Collections.** Chicago. Washington

***Philonthus* Stephens 1929: 279**

*P. alumnus* Erichson 1840: 490; Smetana 1995: 434

**Distribution.** Cuba, Cayman Islands, Hispaniola, Puerto Rico



- Cuba localities.**  
**Collections.** Washington  
*P. caribaeus* Bierig 1940: 141; Blackwelder 1943: 415  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR. Ha. T.l. not specified  
**Collections.** Chicago (type)
- P. discoideus* (Gravenhorst) 1802: 38 (*Staphylinus*); Jacquelin du Val 1856: 40; Chevrolat and Fauvel 1863: 435; Gundlach 1891: 61; Blackwelder 1943: 407; Smetana 1995: 184  
**Distribution.** Cuba (introduced), Jamaica, Hispaniola, Puerto Rico to Grenada, widespread North America; a Palaearctic species which is now cosmopolitan (Smetana 1995: 184)  
**Cuba localities.**  
**Collections.** Chicago. Gundlach no. 1828. London
- P. figulus* Erichson 1840: 464; Chevrolat and Fauvel 1863: 434; Gundlach 1891: 61; Blackwelder 1943: 409
- P. amazonicus* Sharp 1876: 165, in Leng and Mutchler 1914: 406  
**Distribution.** Cuba, Puerto Rico, St. Vincent, Trinidad, South America, Central America  
**Cuba localities.** Ha: Havana  
**Collections.** Chicago  
(*P. flavolimbatus* Erichson 1840: 471; Smetana 1995: 200)  
**Distribution.** West Indies, México, Central America, South America, widespread in s USA  
**Cuba localities.**  
**Collections.**
- P. havaniensis* (Laporte) 1835: 116; Blackwelder 1943: 418; Smetana 1995: 434
- P. obscurus* Fauvel in Chevrolat and Fauvel 1863: 434; Fauvel 1891: 115 (synonymy); Gundlach 1891: 60  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico to Antigua  
**Cuba localities.** Ci: Cayamas; Soledad  
**Collections.** Cambridge. Chicago. Washington
- P. hepaticus* Erichson 1840: 451; Blackwelder 1943: 402; Smetana 1995: 175
- P. vilis* Erichson 1840: 451; Jacquelin du Val 1856: 39; Chevrolat and Fauvel 1863: 433; Gundlach 1891: 59  
**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico to Trinidad, South America, Central America, North America, etc. Some Neotropical records may be in error (see Smetana 1995: 177)  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Washington  
(*P. neptunus* Smetana 1995: 436)  
**Distribution.** Jamaica, Bahamas Islands, USA (s FL)  
**Cuba localities.**  
**Collections.**
- P. rufulus* Horn 1884: 197; Smetana 1995: 430  
**Distribution.** Cuba, Bahamas, México, widespread USA  
**Cuba localities.** Ci: Cayamas  
**Collections.** Chicago. Washington
- P. varians* (Paykull) 1789: 45; Jacquelin du Val 1856: 39; Chevrolat and Fauvel 1863: 435; Gundlach 1891: 60; Blackwelder 1943: 412  
**Distribution.** Cuba (introduced) St. John, St. Vincent, North America, etc., native to the Old World. The Neotropical records need confirmation (Smetana 1995: 237)  
**Cuba localities.**  
**Collections.** Chicago. Gundlach no. 787
- P. ventralis* (Gravenhorst) 1802: 174 (*Staphylinus*); Blackwelder 1943: 404; Smetana 1995: 190  
**Distribution.** Cuba (introduced), Jamaica, Hispaniola, Puerto Rico to Trinidad, Central America, South America, widespread North America, etc.; native to the Old World  
**Cuba localities.** Cayamas; Soledad  
**Collections.** Cambridge. Chicago. Washington
- Remus Holme 1837: 64**  
*R. pruinosis* (Erichson) 1840: 510 (*Cafius*); Bierig 1934: 67  
**Distribution.** Cuba (introduced), native to Europe  
**Cuba localities.**  
**Collections.** Chicago

## SUBTRIBE HYPTIOMINA

- Holisus Erichson 1839: 298** (see Newton 1988)  
*H. debilis* Erichson 1839: 299; Blackwelder 1943: 461  
*Holisus cubensis* (Casey) 1906: 362 (Havana, t.l.); Leng and Mutchler 1914: 406  
**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico to St. Vincent  
**Cuba localities.** Ci: Soledad  
**Collections.** Cambridge. Chicago. Washington
- H. laevis* Blackwelder 1943: 463  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Gu: Mts. N of Imias  
**Collections.** Cambridge. Chicago



## REFERENCES

- Blackwelder, R.E.** 1943. Monograph of the West Indian beetles of the family Staphylinidae. U.S. National Museum Bull. 182. 658 pp.
- Campbell, J. M.** 1975. A revision of the genera *Coproporus* and *Cilea* (Coleoptera: Staphylinidae) of America north of Mexico. Can. Ent. 107: 175-216.
- Chandler, D.S. and Wolda, H.** 1986. Seasonality and diversity of *Caccoplectus*, with a review of the genus and description of a new genus, *Caccoplectinus* (Coleoptera: Pselaphidae). Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere 113: 469-524.
- Coiffait, H. and Decou, V.** 1972. Recherches sur les Coléoptères hypogés de Cuba. I. Staphylinidae-Leptotyphlinae: *Cubanotyphlus jimenezi* n. g., n. sp. Rev. Ecol. Biol. Sol 9: 131-138.
- Decou, V. G.** 1973. Recherches sur les Coléoptères hypogés de Cuba. II. Staphylinidae-Leptotyphlinae: *Cubanotyphlus poeyi* n.sp. Résultats des expéditions biospéologiques Cuban-Roumaines á Cuba. 1: 359-363.
- Frank, J.H.** 1972. The genus *Oligota* in the Caribbean region (Coleoptera: Staphylinidae). Coleop. Bull. 26: 125-141.
- Frank, J.H.** 1981. A revision of the New World species of the genus *Neobisnius* Ganglbauer. Occ. Pap. Fla. St. Colln. Arthrop. 1: 1-160.
- Frank, J.H.** 1985. New records of *Cafius caribeanus* and *C. subtilis* in Florida and Venezuela (Coleoptera: Staphylinidae). Ent. News 96: 61-62.
- Frank, J.H.** 1986. A preliminary checklist of the Staphylinidae (Coleoptera) of Florida. Florida Ent. 69: 363-382.
- Frank, J.H., Carlysle, T.C., and Rey, J.R.** 1986. Biogeography of the seashore Staphylinidae *Cafius bistratus* and *C. rufifrons* (Insecta: Coleoptera). Florida Scientist 49: 148-161.
- Frank, J.H., J. Klimaszewski, and S.B. Peck.** 1989. *Leptagria perexilis* and *Myllaena audax* (Coleoptera: Staphylinidae) in Florida. Florida Ent. 72: 717-718.
- Frank, J.H. and M.C. Thomas.** 1984. *Cubanotyphlus largo*, a new species of Leptotyphlinae (Coleoptera: Staphylinidae) from Florida. Canadian Ent. 116: 1411-1417.
- Hammond, P.M.** 1976. A review of the genus *Anotylus* C. G. Thomson (Coleoptera: Staphylinidae). Bull. Brit. Mus. (Nat. Hist.), Ent. 33: 139-187.
- Hanley, R.S.** 1998. Corrections to the nomenclature of a species of Neotropical *Hoplandria* Kraatz (Coleoptera: Staphylinidae: Aleocharinae: Hoplandriini). Coleop. Bull. 52: 386-387.
- Herman, L.H., Jr.** 1970. Phylogeny and reclassification of the rove-beetle subfamily Oxytelinae of the world (Coleoptera, Staphylinidae). Bull. Amer. Mus. Nat. Hist. 142: 343-454.
- Herman, L.H., Jr.** 1972. Revision of *Bledius* and related genera. Part I. The *aequatorialis*, *mandibularis*, and *semiferrugineus* groups and two new genera (Coleoptera, Staphylinidae, Oxytelinae). Bull. Am. Mus. Nat. Hist. 149(2).
- Herman, L.H., Jr.** 1986. Revision of *Bledius* and related genera. Part IV. Classification of species groups, phylogeny, natural history, and catalogue (Coleoptera, Staphylinidae, Oxytelinae). Bull. Am. Mus. Nat. Hist. 184: 13-67.
- Herman, L.H., Jr.** 2001. Catalogue of the Staphylinidae (Insecta: Coleoptera) 1758 to the end of the second millenium. Bull. Amer. Mus. Natur. Hist. 265, 4218 pp.
- Irmeler, U.** 1981. Neue Arten der Gattung *Mimogonia* Coiffait (1978) aus der Neotropis (Coleoptera, Staphylinidae). Ent. Blätter 77: 143-152.
- Irmeler, U.** 1985. Neue Arten der Gattungen *Aneucamptus* und *Thoracophorus* (Col., Staphylinidae) aus der Neotropis. Ent. Blätter 81: 41-58.
- Irmeler, U.** 1991. Neue Arten der Gattung *Clavilispinus* Blackwelder (Col., Staphylinidae) aus der Neotropis. Ent. Blätter 87: 85-91.
- Irmeler, U.** 1994. Taxonomie und Verbreitung neotropischer *Lispinus* Er. (Coleoptera, Staphylinidae). Beitr. Ent. 44: 53-82.
- Irmeler, U.** 2000. Lectotype designation of *Lispinus granadensis* Fauvel, 1865 and *Lispinus insularis* Chevrolat & Fauvel, 1863 with description and distribution of the related species (Coleoptera: Staphylinidae: Osoriinae). Bull. Inst. Royal Sci. Natur. Belgique, Entomologie 70: 81-88.
- Klimaszewski, J.** 1979. A revision of the Gymnusini and Deinopsini of the world (Coleoptera, Staphylinidae, Aleocharinae). Agric. Canada Monog. 25: 1-169.
- Klimaszewski, J.** 1980. Two new species of Deinopsini from the Afrotropical and Nearctic regions, with notes on two other species of this tribe (Coleoptera, Staphylinidae). Polskie Pismo Ent. 50: 109-120.

- Klimaszewski, J.** 1982. Studies of Myllaenini (Coleoptera: Staphylinidae, Aleocharinae). 1. Systematics, phylogeny, and zoogeography of Nearctic *Myllaena* Erichson. Canadian Ent. 114: 181-242.
- Klimaszewski, J.** 1990. Two new species and new records of *Aleochara* from Latin America (Coleoptera: Staphylinidae). Ann. Transvaal Mus. 35: 171-176.
- Klimaszewski, J., F. Génier.** 1986. Lectotype designation and redescription of *Aleochara verberans* (Coleoptera: Staphylinidae). Ent. News 97: 115-118.
- Klimaszewski, J., Génier, F., and Uhlig, M.** 1987. Review of Erichson's types of *Aleochara* from México, West Indies, and South America. Florida Ent. 70: 249-259.
- Klimaszewski, J., Uhlig, M. and Maus, C.** 2000. Diversity of *Aleochara* species in Madagascar (Coleoptera Staphylinidae Aleocharinae). Belgian J. Ent. 2: 227-256.
- Lawrence, J.F. and A.F. Newton.** 1995. Families and subfamilies of Coleoptera with selected genera, notes, references and data on family group names. 779-1106. In: J. Pakaluk and S.A. Slipinski (eds.). Biology, phylogeny, and classification of Coleoptera: papers celebrating the 80th birthday of Roy A. Crowson. Muzeum i Instytut Zoologii PAN, Warsaw.
- Leschen, R.A.B., and I. Löbl.** 1995. Phylogeny of Scaphidiinae with redefinition of tribal and generic limits (Coleoptera: Staphylinidae). Rev. Suisse Zool. 102: 425-474.
- Navarrete-Heredia, J.L., A. F. Newton, M.K. Thayer, J.S. Ashe, D.S. Chandler.** 2002. Guía ilustrada para los géneros de Staphylinidae (Coleoptera) de México. Illustrated guide to the genera of Staphylinidae (Coleoptera) of Mexico. Universidad de Guadalajara, CONABIO, Mexico, D.F.
- Newton, A.F.** 1988. Fooled by flatness: subfamily shifts in subcortical Staphylinidae (Coleoptera). Coleop. Bull. 42: 255-262.
- Newton, A.F. and M.K. Thayer.** 1995. Protopselaphinae new subfamily for *Protopselaphus* new genus from Malaysia, with a phylogenetic analysis and review of the Omaliine group of Staphylinidae including Pselaphidae (Coleoptera). 219-320. In: J. Pakaluk and S.A. Slipinski (eds.): Biology, phylogeny, and classification of Coleoptera: papers celebrating the 80th birthday of Roy A. Crowson. Muzeum i Instytut Zoologii PAN, Warsaw.
- Pace, R.** 1990. Nuovi Falagriini, Hoplandriini et Aleocharini della regine Neotropica (Coleoptera, Staphylinidae) (LXXX contributo alla conoscenza delle Aleocharinae). Giornale Italiano di Entomologia 5: 157-180.
- Park, O., J.A. Wagner, and M.W. Sanderson.** 1976. Review of the pselaphid beetles of the West Indies (Coleoptera: Pselaphidae). Fieldiana Zoology 68: 1-90.
- Puthz, V.** 1973. Zur Synonymie und Stellung einiger *Stenus*-Arten IV Coleoptera, Staphylinidae). 136. Beitrag zur Kenntnis der Steninen. Ent. Tidskr. 94: 48-55.
- Puthz, V.** 1974. Studies on the Neotropical species of *Stenus* described by Bernhauer (Coleoptera, Staphylinidae); Seventy-eighth contribution to the knowledge of Steninae. Fieldiana Zoology 65: 45-72.
- Puthz, V.** 1984. Über neue und alte neotropische *Stenus* (*Hypostenus*)-Arten (Coleoptera, Staphylinidae). 198. Beitrag zur Kenntnis der Steninen. Ent. Blättter 79: 65-140.
- Puthz, V.** 1997. Beiträge zur Kenntnis der Euaesthetinen LXXVIII. Neotropische *Edaphus*-Arten mit Atriumtaschen an den Abdominaltergiten 2-4 (Staphylinidae, Coleoptera). Philippia 8: 137-145.
- Puthz, V.** 1998. Beiträge zur Kenntnis der Euaesthetinen LXXIX. Neuweltliche *Euaesthetus*-Arten (Staphylinidae, Coleoptera). Philippia 8: 223-244.
- Puthz, V.** 2000. Beiträge zur Kenntnis der Steninen. CLXII. Neue und alte neotropische Arten der Gattung *Stenus* Latreille (Staphylinidae, Coleoptera). Philippia 9: 165-213.
- Puthz, V.** 2001. Neotropical *Euaesthetus* Gravenhorst (Coleoptera: Staphylinidae) (82nd contribution to the knowledge of Euaesthetinae). Dugesiana 8: 29-36.
- Sanderson, M.W.** 1967. Revision of the Greater Antilean species of *Pederus* (Coleoptera: Staphylinidae). Coleop. Bull. 21: 59-62.
- Sheerpeltz, O.** 1952. Revision der Gattung *Piestus* Gravh. (Coleoptera Staphylinidae). Rev. Chilena Ent. 2: 281-305.
- Smetana, A.** 1982. Revision of the subfamily Xantholininae of America north of Mexico (Coleoptera: Staphylinidae). Mem. Ent. Soc. Canada 120. 389 pp.
- Smetana, A.** 1995. Rove beetles of the subtribe Philonthina of America north of México (Coleoptera: Staphylinidae); Classification, phylog-

eny and taxonomic revision. Mem. Ent. Internat. 3: 1-946.

**Thayer, M.K., F.F. Purrington.** 2004. *Bledius beattyi* Blackwelder (Coleoptera: Staphylinidae: Oxytelinae), new to the United States, and co-occurrences of some *Bledius* Leach and *Dyschiriodes* Jeannel (Coleoptera: Carabidae: Scaratinae) species in south Florida. Coleop. Bull. 589: 439-442.

**Watrous, L.** 1980. *Lathrobium (Tetartopeus)*: natural history, phylogeny, and revision of the Nearctic species (Coleoptera, Staphylinidae). Syst. Ent. 5: 303-338.

#### SERIES SCARABAEIFORMIA

#### SUPERFAMILY SCARABAEOIDEA

Reviewed by H. F. Howden, September, 2002.

#### 29. FAMILY LUCANIDAE

This family occurs in the USA through México to South America but does not occur in the West Indies. Larvae feed on rotted wood of old logs and stumps.

#### 30. FAMILY DIPHYLLOSTOMATIDAE

This family is limited to three species of *Diphyllostomus* in California. Females are flightless, and larvae probably live in soil.

#### 31. FAMILY PASSALIDAE

The bess beetles

Reviewed by J. Schuster, June 1994

These beetles are found in sub-social groups in rotting logs in forests. The genus *Spasalus* has more than 3 lamellae in their antennae, and old records of these for Cuba need to be confirmed before being accepted. S. Peck has a manuscript key to the known Cuban species by J. Schuster. Ivie and Gillogly (1998) is the principal reference.

#### SUBFAMILY PASSALINAE

#### TRIBE PASSALINI

#### *Passalus* Fabricius 1792: 240

[*P. affinis* Percheron 1835: 72; Chevrolat 1864c: 409; Gundlach 1891: 154]

**Distribution.** Hispaniola; not Cuba (rejected by Reyes-Castillo et al. 1995: 30)

[*P. binominatus* Percheron 1844: 23; Jacquelin du Val 1857: 138; Chevrolat 1864c: 409; Gundlach 1891: 154]

**Distribution.** French Guiana, Brazil, Argentina; not Cuba (rejected by Reyes-Castillo et al. 1995: 29)

[*P. coniferus* Escholtz 1829: 16]

**Distribution.** Ecuador, Brazil, Peru, Bolivia; not Cuba (rejected by Reyes-Castillo et al. 1995: 32)

[*P. interstitialis* Escholtz 1829: 18; Jacquelin du Val 1857: 137; Chevrolat 1864c: 408; Gundlach 1891: 153]

*Passalus convexus* Schönherr 1817: 335; Jacquelin du Val 1857: 138; Chevrolat 1864c: 408; Gundlach 1891: 153 (no. 45)

**Distribution.** Cuba, Jamaica, México to Argentina; ecology (Rodriguez 1985, Rodriguez and Zorilla 1986)

**Cuba localities.** Widespread.

**Collections.** Gundlach no. 46. Pittsburgh.

[*P. morio* Percheron 1835: 83]

**Distribution.** México to Argentina.; not Cuba (rejected by Reyes-Castillo et al. 1995: 29)

[*P. pentaphyllus* Palisot de Beauvois 1805: 2; Jacquelin du Val 1857: 137; Chevrolat 1864c: 410; Gundlach 1891: 155; Ivie and Gillogly 1998: 2.]

**Distribution.** Hispaniola; not Cuba

*P. pertyi* Kaup 1869: 22

*Passalus pelliculatus* Percheron 1835: 77; Jacquelin du Val 1857: 139; Chevrolat 1864c: 409; Gundlach 1891: 154

**Distribution.** Cuba. Endemic: records from Hispaniola doubtful (Reyes-Castillo et al. 1995: 32)

**Cuba localities.**

**Collections.**

#### *Spasalus* Kaup 1869: 27

[*S. crenatus* (MacLeay) 1819: 106 (*Paxillus*)]

**Distribution.** Puerto Rico, Virgin Islands, Lesser Antilles; not Cuba, Hispaniola (Ivie and Gillogly 1998: 1)

**Cuba localities.**

**Collections.**

#### REFERENCES

- Ivie, M. A. and Gillogly, A.R.** 1998. Passalidae of the West Indies. <http://virgin.msu.montana.edu/WestIndies/Polyphaga/Scarabaeoidea/WIPassalidae.html>
- Reyes-Castillo, P., Maes, J.M. and Guerrero, K.A.** 1995. Los Passalidae (Coleoptera: Scarabaeoidea) de la Espanola, Grandes Antillas. Rev. Soc. Mex. Hist. Nat. 46: 29-34.
- Rodriguez, M.E.** 1985. The role of *Passalus interstitialis* (Coleoptera: Passalidae) in the initiation of wood decomposition at the Sierra del Rosario Ecological Station. I. Activity un-

der natural conditions. Cien. Biol. no. 13: 29-38.

**Rodriguez, M.E. and M.A. Zorilla.** 1986. The role of *Passalus interstitialis* (Coleoptera: Passalidae) in the initiation of wood decomposition at the Sierra del Rosario Ecological Station. II. Activity under laboratory conditions. Cien. Biol. 16: 69-76.

### 32. FAMILY GLARESIDAE

The family is composed of the genus *Glaresis*, with some 50 species worldwide except Australia. These beetles usually live in sandy areas in arid regions. They are probably absent from the Caribbean Islands.

### 33. FAMILY TROGIDAE

The hide beetles

Adults and larvae feed on old dry carcasses of birds or mammals, and on accumulations of fur and feathers.

**Omorgus Erichson 1847: 111.**

*O. suberosus* (Fabricius) 1775: 31; Vaurie 1955: 60 (*Trox*)

*Trox crenatus* Olivier, Gundlach 1891: 132

*Trox punctatus* Germar; misidentified in Jacquelin du Val 1856: 121; Chevrolat 1864c: 416

**Distribution.** Cuba, widespread West Indies, México to Brazil, widespread USA

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1 (*T. crenatus*)

*O. tytus* (Robinson) 1941: 228; Vaurie 1955: 57 (*Trox*)

**Distribution.** Cuba, USA (AR, OK, GA); in barn owl nests

**Cuba localities.** CA: Baraguá

**Collections.** New York

**Trox Fabricius 1775: 31**

*T. insularis* Chevrolat 1864c: 416; Vaurie 1955: 41

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá. Ci: Soledad

**Collections.** Gundlach no. 133. New York

#### REFERENCES

**Scholtz, C.H.** 1982. Catalogue of world Trogidae (Coleoptera: Scarabaeoidea). Republic South Africa Dept. Agric. Fisheries Ent. Mem. 54: 27 pp.

**Vaurie, P.** 1955. A revision of the genus *Trox* in North America (Coleoptera, Scarabaeidae). Bull. Amer. Mus. Nat. Hist. 106: 1-89.

### 34. FAMILY PLEOCOMIDAE

This family contains only the genus *Pleocoma*, which is limited to western North America. The larvae feed on roots.

### 35. FAMILY GEOTRUPIDAE

The earth-boring scarab beetles

Adults of this family dig deep burrows, and store food (such as fungi, leaves, litter, dung, or carrion) for their larvae.

#### SUBFAMILY GEOTRUPINAE

##### TRIBE ATHYREINI

**Neoathyreus Howden and Martinez 1963: 347**

*N. androsensis* Howden 1996: 1505

**Distribution.** Cuba, Bahamas (Andros)

**Cuba localities.** CA: Cayo Coco

**Collections.** Howden

*N. castaneus* (Guérin Ménèville) 1830: 83 (*Athyreus*); Jacquelin du Val 1856: 122; Chevrolat 1864c: 415; Gundlach 1891: 132; Howden 1995: 1507

**Athyreus angulatus Klug 1843: 28**

*Athyreus tridentatus castaneus* Guérin-Ménèville 1829: 83

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gatineau. Gundlach no. 263. Paris (type?)

#### REFERENCES

**Howden, H.F.** 1996. West Indian *Neoathyreus* and their over-water dispersal (Coleoptera: Scarabaeidae: Geotrupinae). J. Nat. Hist. 30: 1503-1515.

### 36 FAMILY BELOHINIDAE

This family is based on a single species in the genus *Belohinus* from Madagascar.

### 37. FAMILY OCHODAEIDAE

The sand-loving scarab beetles

This family occurs in North, Central and South America but in the West Indies it is known only in Cuba. Adults fly to lights and larvae live in soil.

#### SUBFAMILY OCHODAEINAE

**Ochodaeus Serville 1825: 360**

*O. grandiceps* Fairmaire 1897: 241

**Distribution.** Cuba, "West Indies"

**Cuba localities.** Ci: Soledad



**Collections.** Howden

### 38. FAMILY HYBOSORIDAE

The scavenger scarab or hybosorid beetles

The family is widely distributed in the world tropics.

#### *Apalonychus* Westwood 1846: 168

*A. waterhousei* Westwood 1846: 169; Chevrolat 1864c: 415 (*Hapalonychus*); Gundlach 1891: 136

**Distribution.** Cuba, Hispaniola

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 137

#### *Hybosorus* MacLeay 1819: 120

*H. illigeri* Reiche 1853: 88; Chalumeau 1981: 173; Ocampo 2002: 318

**Distribution.** Cuba (introduced, oldest record from 1954), Jamaica, USA (TX-KY-FL); native to southern Europe; at lights

**Cuba localities.** SC: Matias; Uvira; Playa Ingles; Playa Larga

**Collections.**

#### REFERENCES

**Ocampo, F.C.** 2002. Hybosorids of the United States and expanding distribution of the introduced species *Hybosorus illigeri* (Coleoptera: Scarabaeoidea: Hybosoridae). *Ann. Ent. Soc. Amer.* 95: 316-322.

### 39. FAMILY CERATOCANTHIDAE

The pill scarabs or ceratocanthid beetles

These can be found under bark and by beating dead branches. Some live with termites and can be taken using broken termite nests as baits. Howden and Gill (2000) present keys to New World genera.

#### *Ceratocanthus* White 1842: 84

*C. chalceus* (Germar) 1843: 114 (*Sphaeromorphus*); Gundlach 1891: 133 (*Cloetotus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 178

*C. gundlachi* Harold 1874: 34 (*Cloetotus*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. semistriatus* (Germar) 1843: 120 (*Sphaeromorphus*); Jacquelin du Val 1856: 120; Chevrolat 1864c: 417; Gundlach 1891: 134 (*Cloetotus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gatineau. Gundlach no. 872

*C. turquinensis* (Zayas) 1988: 28 (*Acanthocerus*)

**Distribution.** Cuba. Endemic. Possibly a synonym of *C. chalceus*

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

#### REFERENCES

**Howden, H.F. and Gill, B.D.** 2000. Tribes of New World Ceratocanthinae, with keys to genera and descriptions of new species (Coleoptera: Scarabaeidae). *Sociobiology* 35: 281-329.

### 40. FAMILY GLAPHYRIDAE

This family contains 8 genera, three of which occur in Peru and Chile. It is not in the West Indies.

### 41. FAMILY SCARABAEIDAE

The scarab beetles

Reviewed by Bruce Gill, May, 1998

This is a large family with diverse habits. They feed on roots, leaves, rotted wood, litter, dung, fruits, etc. Some may be pests of forestry or agriculture. Chalumeau (1981) reports on the collections from the Cuban-Roumanian cave biology expeditions.

#### SUBFAMILY APHODIINAE

##### TRIBE APHODIINI

*Aphodius* Illiger 1798: 115. Keys in Chapin 1940, and Woodruff 1973

*A. cuniculus* Chevrolat 1864c: 411; Gundlach 1891: 148; Chapin 1940: 7

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, México, Guatemala, USA (FL-TX)

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 1880. Washington

*A. lividus* Olivier 1789: 86; Jacquelin du Val 1856: 116; Chevrolat 1864c: 412; Gundlach 1891: 149; Chapin 1940: 6; Chalumeau 1981: 174

**Distribution.** Cuba (introduced), Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, widespread USA, México to Argentina; native to the Old World

**Cuba localities.** Widespread

**Collections.** Gundlach no. 196. Washington

*A. quadridentatus* Harold 1861: 107; Chevrolat 1864c: 412; Gundlach 1891: 149; Chapin 1940: 4

**Distribution.** Cuba. Endemic

**Cuba localities.**



**Collections.**

*A. n. sp.* Zayas 1988: 28

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Zayas

## TRIBE EUPARIINI

***Ataenius* Harold 1867: 100.** Keys in Cartwright (1973), Chapin (1940) and Woodruff (1973)

*A. bicolor* Petrovitz 21963: 642; Stebnicka 2002: 268

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ha: Havana. PR: Joabel Rubio; Viñales. SC: Boniato

**Collections.** Berlin

*A. brevinotus* Chapin 1940: 39

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá (t.l.)

**Collections.** Cambridge (type)

*A. corrosus* Chapin 1940: 19

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Aguadores (t.l.)

**Collections.** Cambridge (type)

*A. cribrithorax* Bates 1887: 95; Chapin 1940: 28

**Distribution.** Cuba, Jamaica, St. Thomas, México to Panamá

**Cuba localities.**

**Collections.** Cambridge?

*A. darlingtoni* Hinton 1937: 179

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles

**Cuba localities.**

**Collections.** Cambridge?

*A. edwardsi* Chapin 1940: 26; Chalumeau 1981: 174

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles

**Cuba localities.** PR: Quemado de Pineda

**Collections.**

*A. gracilis* Melsheimer 1844: 137; Jacquelin du Val 1856: 119 (*Psammodyus*); Chevrolat 1864c: 414; Gundlach 1891: 152; Chapin 1940: 25; Chalumeau 1981: 174

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, USA, Colombia to Argentina

**Cuba localities.** Widespread

**Collections.** Gatineau. Cambridge? Gundlach no. 84

*A. gruneri* Chalumeau 1979: 229, 1981: 174; Stebnicka 2002: 274

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). Ha: Havana

**Collections.** Brussels. Paris (type)

*A. haroldi* Steinheil 1872: 556; Chapin 1940: 15

**Distribution.** Cuba, Hispaniola, Puerto Rico, México, Argentina

**Cuba localities.**

**Collections.** Cambridge?

*A. havanensis* Balthasar 1938: 56; Chapin 1940: 41

**Distribution.** Cuba, Barbados, St. Kitts, St. Croix, USA (FL (Lower Keys only))

**Cuba localities.** Ha: Havana (t.l.)

**Collections.** Prague (type?)

*A. imbricatus* Melsheimer 1844: 136; Chapin 1940: 21; Chalumeau 1981: 175

**Distribution.** Cuba, Hispaniola, Bahamas, St. Croix, widespread USA, México to Argentina

**Cuba localities.** CA: Baraguá. Ci: Cayamas.

IJ: Represa La Fé

**Collections.** Cambridge. Washington

*A. jardinensis* Stebnicka 2002: 278

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Santiago, Jardin Botanico (t.l.)

**Collections.** Gatineau (type)

*A. liogaster* Bates 1887: 94; Hinton 1937: 193; Chapin 1940: 29

**Distribution.** Cuba, Jamaica, Guadeloupe, México to Panamá, Ecuador (Galapagos Islands)

**Cuba localities.** Ha: Havana

**Collections.** Cambridge

*A. miami* Cartwright 1934: 200; Chapin 1940: 22

**Distribution.** Cuba, Puerto Rico, Barbados, se USA

**Cuba localities.**

**Collections.**

*A. picinus* Harold 1867: 281; Woodruff 1973: 124; Chalumeau 1981: 175

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, Venezuela, se USA

**Cuba localities.** IJ: Base Mella

**Collections.**

*A. rhyticephalus* (Chevrolat) 1864c: 413 (*Auperia*); Gundlach 1891: 150; Chalumeau 1981: 175

*A. strigicauda* Bates 1887: 96; Chapin 1940: 31

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, México, Central and South America, USA (FL-SC-TX)

**Cuba localities.** IJ: Matias. SC: 6 km NE Siboney

**Collections.** Gatineau. Cambridge

*A. scutellaris* Harold 1867: 82; Chalumeau 1981: 175

**Distribution.** Cuba, Antilles, Venezuela, Central America

**Cuba localities.** IJ: Matias

**Collections.**

*A. stercorator* Fabricius 1775: 20; Jacquelin du Val 1856: 118; Chevrolat 1864c: 413; misidentified by Horn 1887: 83?; Gundlach 1891: 150 (*Auperia*)

**Distribution.** Cuba (introduced), Puerto Rico, South America, USA; native to the Old World

**Cuba localities.** Widespread

**Collections.** Gundlach no. 193

*A. sulcatulus* (Chevrolat) 1864c: 413 (*Auperia*); Gundlach 1891: 151; Chapin 1940: 37

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá. Ci: Cayamas. Ha: Santiago de las Vegas. PR: Bahia Honda. SC: Santiago, Roig Botanical Garden

**Collections.** Gatineau. Gundlach no. 1831. Washington

*A. terminalis* (Chevrolat) 1864c: 414 (*Auperia*); Gundlach 1891: 151; Chapin 1940: 38; Chalumeau 1981: 175; Stebnicka 2002: 267

**Distribution.** Cuba, Jamaica

**Cuba localities.** Widespread

**Collections.** Berlin. Cambridge. Gundlach no. 195. Ottawa

*A. waltherhorni* Balthasar 1938: 55; Stebnicka 2002: 265

**Distribution.** Cuba, USA (PA-FL-LA)

**Cuba localities.** Ci: Cayamas; Cienfuegos; Rio Caburni. Ha: Havana. SC. Ca: Baragua

**Collections.** Eberswalde (type). Washington

### ***Euparixia* Brown 1927: 288**

*E. bruneri* Chapin 1940: 40; Woodruff and Cartwright 1967: 12

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camagüey (t.l.). CA: Baraguá. Ha: Havana; Santiago de las Vegas. Probably in nests of *Atta insularis* leafcutting ants (bibijaguas)

**Collections.** Washington (type)

### ***Myrmecaphodius* Martinez 1952: 85**

*M. excavaticollis* (Blanchard) 1846: 184; Chalumeau 1981: 174

**Distribution.** Cuba, se USA to Argentina; lives in nests of *Solenopsis* fire ants

**Cuba localities.** Ho: Arroyo Guayabo. SC: Matias

**Collections.**

### ***Pseudataenius* Brown 1927: 288**

*P. waltherhorni* (Balthasar) 1938: 55 (*Ataenius*); Woodruff 1973: 133; Chapin 1940: 41; Cartwright 1974: 12; Chalumeau 1981: 175

**Distribution.** Cuba. Endemic (USA: FL?, believed introduced to Key West)

**Cuba localities.** Ci: Soledad. Ha: Havana (t.l.). IJ: Base Mella. PR: Quemado de Pineda; El Embarcadero

**Collections.** Washington

## TRIBE PSAMMODIINI

### ***Odontopsammodius* Gordon and Pittino 1992: 265**

*O. decuiella* (Chalumeau) 1979: 229, 1981: 176 (*Psammodius*) Gordon and Pittino 1992: 266

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Rio Brazo Seco (t.l.)

**Collections.** Paris (type, supposedly destroyed)

### ***Platytomus* Mulsant 1842: 310**

*P. parvulus* (Chevrolat) 1864c: 415 (*Psammodius*); Gundlach 1891: 152; Chapin 1940: 8 (*Pleurophorus*); Gordon and Pittino 1992: 268

**Distribution.** Cuba, Jamaica, Hispaniola to Grenada

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 946. Washington

## TRIBE RHYPARINI

### ***Rhyparus* Westwood 1845: 93**

*R. zayasi* Cartwright and Woodruff 1969: 7

**Distribution.** Cuba, Jamaica

**Cuba localities.** SC: Turquino, Cardero; at light

**Collections.** Gatineau. Gainesville. Havana. Ottawa. Washington

## SUBFAMILY SCARABAEINAE

### TRIBE CANTHONINI

### ***Canthochilum* Chapin 1934: 99**

*C. anacaona* Zayas and Matthews 1966: 8; Matthews 1966: 71; Matthews 1969: 121

**Distribution.** Cuba. Endemic Interior highland forests of eastern Cuba

**Cuba localities.** .Gu: Mt. N of Imias; Yunque de Baracoa (t.l.). Ho: Las Mulas; Sierra Cristal

**Collections.** Cambridge. Zayas (type). Washington

- C. baracutey* Zayas and Matthews 1966: 11; Matthews 1966: 69  
**Distribution.** Cuba. EndemicInterior highland forests of eastern Cuba  
**Cuba localities.** SC: Florida Blanca, Songo (t.l.)  
**Collections.** Zayas (type)
- C. cemi* Zayas and Matthews 1966: 7; Matthews 1966: 69  
**Distribution.** Cuba . EndemicInterior highland forests of eastern Cuba  
**Cuba localities.** . Gu: Resucia. SC: Florida Blanca, Songo; Palma Mocha, Sierra Maestra (t.l.); Santa Maria de Loreto  
**Collections.** Ramsden. Washington. Zayas (type)
- C. guayaca* Zayas and Matthews 1966: 8; Matthews 1966: 70  
**Distribution.** Cuba. EndemicInterior highland forests of eastern Cuba  
**Cuba localities.** SC: Pico Cuba, 1810 m (t.l.)  
**Collections.** Washington. Zayas (type)
- C. gundlachi* (Harold) 1968: 80; Chapin 1934: 101; Zayas and Matthews 1966: 5; Matthews 1966: 71  
**Distribution.** Cuba. EndemicLowland and coastal scrub forest, western Cuba  
**Cuba localities.** M: Dolina del Campamento. PR: Guanabacabibes. Ca: Playa El Ingles, Santa Lucia  
**Collections.** Paris (type). Zayas
- C. histeroides* (Harold) 1868: 80; Chapin 1934: 101; Zayas and Matthews 1966: 4; Matthews 1966: 70; Chalumeau 1981: 174  
**Distribution.** Cuba. EndemicLowland coastal scrub and forest, north central coast and western Cuba  
**Cuba localities.** M: Dolina del Campamento. Ha: Rio Santa Ana. PR: Guanahacabibes.  
**Collections.** Paris (type). Zayas
- C. pijirigua* Zayas and Matthews 1966: 13; Matthews 1966: 71  
**Distribution.** Cuba. EndemicLowland and coastal scrub forest, north central coast and western Cuba  
**Cuba localities.** PR: El Pinar, Los Palacios (t.l.). Ha: Rio Santa Ana. PR: Guanahacabibes. Ca: Playa El Ingles; M: Pen. Zapata  
**Collections.** Zayas (type). Washington
- C. tureya* Zayas and Matthews 1966: 12; Matthews 1966: 69; 1969: 121  
**Distribution.** Cuba. EndemicInterior highland forests of eastern Cuba

**Cuba localities.** SC: Loma del Gato, 1100 m (t.l.); Gran Piedra (elfin forest, 1000m). SC: Pico Turquino  
**Collections.** Gatineau. Cambridge. Zayas (type)

#### *Canthonella* Chapin 1930: 2

- C. pygmaea* (Harold) 1869: 96; Chapin 1930: 2; Zayas and Matthews 1966: 16; Matthews 1966: 77; 1969: 123  
**Distribution.** Cuba. EndemicLowland and coastal scrub forest, eastern and western Cuba (not Puerto Rico or Hispaniola)  
**Cuba localities.** Ha: Cueva del Indio. Ho: Las Mulas; Sierra Cristal. PR: Monte El Pinar  
**Collections.** Paris (type). Washington. Zayas

#### TRIBE ONITICELLINI

#### *Oniticellus* Serville 1825: 356

- O. cubiensis* Laporte 1840: 92; Jacquelin du Val 1856: 116; Chevrolat 1864c: 410; Gundlach 1891: 147; Matthews 1966: 27; 1969: 114  
**Distribution.** Cuba, Jamaica, Bahamas (not Florida); pastures and roadsides (Matthews 1969)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 324. London. Paris (type not found). Pittsburgh. Washington. Zayas

#### TRIBE ONTHOPHAGINI

#### *Onthophagus* Latreille 1802: 141

- O. gazella* Fabricius 1787: 377. The brown dung beetle  
**Distribution.** Cuba (introduced); widespread in New World, across USA and México; native to Old World (Hoebeke and Beucke, 1997, Ent. News 108: 345-362)  
**Cuba localities.** SC: Santiago, Roig Botanical Garden (first Cuba record)  
**Collections.** Gatineau. Gainesville. Havana
- O. marginatus* Laporte 1840: 87; Jacquelin du Val 1856: 115; Chevrolat 1864c: 410; Gundlach 1891: 148; Matthews 1966: 9; Chalumeau 1981: 174  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread; in pastures and roadsides  
**Collections.** Gatineau. Gundlach no. 270. London. Paris? (type not found by Chalumeau). Washington. Zayas

## SUBFAMILY MELOLONTHINAE

## TRIBE MELOLONTHINI

*Phyllophaga* Harris 1826: 6; subgenus *Cnemarachis* Saylor 1942: 159 (= *Ancylonycha* Blanchard 1845).

This genus probably has the greatest impact of any beetle on Cuban agriculture. The adults feed on the leaves of many plants, and the larvae feed in the soil on plant roots (Fernandez Garcia 1998). Chapin (1932) gives a key to species known at that time (see Garcia Vidal, 1975), and Muslera Ramos and Fernandez Garcia (1998) provide a summary of the Cuban fauna; see also Woodruff and Beck (1989) on Florida species.

- P. (C.) acunai* Chapin 1937: 3  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: near Pico Turquino (t.l.)  
**Collections.** Washington (type). Havana
- P. (C.) aeneotincta* Chapin 1932: 201  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Santa Fe (t.l.)  
**Collections.** Washington (type)
- Notes:** Possibly the species upon which Chevrolat (1865: 28) based his Isle of Pines record for *P. suturalis* (Chapin 1932: 201)
- P. (C.) aeruginosa* (Burmeister) 1855: 338 (*Ancylonycha*); Chevrolat 1865: 26; Gundlach 1891: 140 (*acruginosa*): Chapin 1932: 204  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. Ha: Santiago de las Vegas. M: Cárdenas  
**Collections.** Gundlach no. 1807. Halle (type?). Washington
- P. (C.) ahlbrandti* Garcia Vidal 1988: 104  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Rio Yara (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) alayoi* Garcia 1978: 3  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz (t.l.)  
**Collections.** Havana. Zayas (type)
- P. (C.) alquizar* Chapin 1932: 204  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Alquizar (t.l.)  
**Collections.** Washington (type)
- P. (C.) analis* (Burmeister) 1855: 340 (*Ancylonycha*); Chevrolat 1865: 28; Gundlach 1891: 143; Chapin 1932: 197; Chalumeau 1981: 177
- A. bifoveolata* (Jacquelin du Val) 1856: 133; Chevrolat 1865: 27; Gundlach 1891: 141
- A. subsericans* (Jacquelin du Val) 1856: 132; Chevrolat 1865: 27; Gundlach 1891: 141  
**Distribution.** Cuba. Endemic; introduced to Panamá?; intercepted in USA (Miami), a pest of sugarcane  
**Cuba localities.** CA: Baraguá. Ci: Cayamas.; Constancia. Ha: Alquizar; Hoyo Colorado; Santiago de las Vegas. IJ: Punta Pedernales; Santa Fe; Nueva Gerona  
**Collections.** Gundlach no. 1059 (*A. bifoveolata*); no. 1118 (*A. subsericans*). Halle? (type?). Washington
- P. (C.) angusta* (Blanchard) 1850: 138 (*Ancylonycha*); Chevrolat 1865: 25; Gundlach 1891: 139; Chapin 1932: 205  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Paris (type?)
- P. (C.) baracoana* Chapin 1932: 188  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa (t.l.)  
**Collections.** Washington (type)
- P. (C.) baraguensis* Chapin 1932: 185  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá (t.l.)  
**Collections.** Washington (type)
- P. (C.) bicavifrons* Chapin 1932: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra, 1070-1350 m (t.l.)  
**Collections.** Washington (type)
- P. (C.) bihammifrons* Saylor 1940: 305; Chalumeau 1989: 339  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ. Nueva Gerona  
**Collections.** Prague
- P. (C.) bilyi* Chalumeau 1989: 338  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR, Vinaloa (t.l.); Sierra Rosario; Taco Taco)  
**Collections.** Prague (type)
- P. (C.) bimaculata* Garcia 1984: 313  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Puerto Boniato (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) brevicornis* Garcia Vidal 1988: 101  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Viñales (t.l.)  
**Collections.** Zayas (type)
- P. (C.) bruneri* Chapin 1932: 203  
**Distribution.** Cuba Endemic; (USA, introduced into .s FL and established)  
**Cuba localities.** Ha: Santiago de las Vegas (t.l.)



- Collections.** Washington (type)
- P. (C.) caneyensis* Garcia 1984: 315  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** San Francisco (type). Washington
- P. (C.) cardini* Chapin 1932: 197; Garcia Vidal 1988: 101  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa (t.l.). SC: Pico Turquino; Loma de Cala to Palma Mocha, Sierra Maestra; Loma del Gato. (Not Ca: Jaronú)  
**Collections.** Washington (type). Zayas
- P. (C.) castineirasi* Garcia Vidal 1978: 5  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Nuevo Gerona (t.l.); Reparto Nazareno  
**Collections.** Zayas (type); Havana
- P. (C.) chalumeaui* Garcia Vidal 1984: 317  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra, Loma de Cala to P. Mocha (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) complexipennis* Garcia Vidal 1984: 317  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Viñales (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) crenaticollis* (Blanchard) 1850: 137 (*Ancylonycha*); Chevrolat 1865: 23; Gundlach 1891: 136; Chapin 1932: 183  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Rio Almendares; Havana; Vedado. M: Bolondron  
**Collections.** Gundlach no. 443. Paris (type). Washington
- P. (C.) cubana* Chapin 1932: 194  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá (t.l.)  
**Collections.** Washington (type)
- P. (C.) dissimilis* (Chevrolat) 1865: 26 (*Ancylonycha*); Gundlach 1891: 140; Chapin 1932: 201; Chalumeau 1981: 177  
**Distribution.** Cuba. Endemic Intercepted in USA (Miami); a pest of sugarcane  
**Cuba localities.** Ca: Jaronú. CA: Baraguá. Ci: Cayamas; Constancia; Santa Clara; Soledad. IJ: Matias. M: Cárdenas; Perico. LT: Jobabo  
**Collections.** Cotypes in Berlin and Philadelphia (Poey?). Gundlach no. 1115. Washington
- P. (C.) dubitatus* Garcia Vidal 1978: 8  
**Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Soledad. PR: Loma de Soroa; Rancho Mundito, Sierra Organos (t.l.); Viñales  
**Collections.** Zayas (type); Havana
- P. (C.) expansa* Chapin 1932: 182  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Constancia (t.l.)  
**Collections.** Washington (type)
- P. (C.) explanicollis* Chapin 1935: 69  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Santo Tomas (t.l.). A former pest of young pine trees (Vázquez et. al. 1992: 44)  
**Collections.** Havana? Washington (type)
- P. (C.) fimbriata* Chapin 1932: 182  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Jaronú (t.l.)  
**Collections.** Washington (type)
- P. (C.) franciscana* Garcia Vidal 1984: 319  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Sierra del Grillo (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) hardyi* Garcia Vidal 1984: 319  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Tortuguilla (t.l.)  
**Collections.** San Francisco (type). Washington
- P. (C.) hernandezi* Garcia Vidal 1984: 321  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra (t.l.)  
**Collections.** San Francisco (type). Washington
- P. (C.) imitatrix* Chapin 1932: 199; Chalumeau 1981: 177  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Santa Barbara (t.l.); Represa de La Fé  
**Collections.** Washington (type)
- P. (C.) independentista* Garcia Vidal 1984: 322  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha; Santiago de las Vegas (t.l.). Los Jazmines  
**Collections.** San Francisco (type). Washington
- P. (C.) insulaepinorum* Garcia Vidal 1978: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: El Abra (t.l.)  
**Collections.** Havana (type?)
- P. (C.) jaronua* Chapin 1932: 194  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Jaronú (t.l.)  
**Collections.** Washington (type)
- P. (C.) laboriosa* Garcia Vidal 1988: 102  
**Distribution.** Cuba. Endemic

- Cuba localities.** Ca: Jaronú (t.l.)  
**Collections.** San Francisco (type, female).  
 Washington
- P. (C.) labrata* Chapin 1932: 199  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Herradura (t.l.)  
**Collections.** Washington (type)
- P. (C.) maestrensis* Garcia Vidal 1984: 323  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: "Capitolio," Rio Yara (t.l.). SC: Loma de Cala, Sierra Maestra  
**Collections.** San Francisco (type). Washington
- P. (C.) marinus* Garcia Vidal 1987: 303  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Cuidamar (t.l.)  
**Collections.** Urbana (type)
- P. (C.) microsoma* Chapin 1932: 202  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camagüey (t.l.)  
**Collections.** Washington (type)
- P. (C.) migratoria* Garcia Vidal 1984: 324  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: San Vicente (t.l.); Viñales  
**Collections.** San Francisco (type)
- P. (C.) nasalis* Chapin 1935: 72  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel, Las Animas (t.l.)  
**Collections.** Washington (type)
- P. (C.) onchophora* Chapin 1932: 184; Chalumeau 1981: 177  
**Distribution.** Cuba. Endemic Introduced to USA (GA)  
**Cuba localities.** Gr: Paso Estancia (t.l.). Ha: Santiago de las Vegas. SC: Trinidad. M: Perico  
**Collections.** Washington (type)
- P. (C.) parallela* (Blanchard) 1850: 137 (*Ancylonycha*); Chevrolat 1865: 24; Gundlach 1891: 138; Chapin 1932: 205  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1858
- P. (C.) parcesetifera* Chapin 1935: 71  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel (t.l.)  
**Collections.** Washington (type)
- P. (C.) patruelis* (Chevrolat) 1865: 25 (*Ancylonycha*); Gundlach 1891: 139; Chapin 1932: 191  
*P. tenuicalcaris* Chapin 1932: 192 (Ca: Galbis, t.l.; type in Washington)
- Distribution.** Cuba, Hispaniola, St. Kitts, Guadeloupe  
**Cuba localities.** Ca: Galbis. Ci: Cayamas; Constancia. SS: Trinidad.  
**Collections.** Gundlach no. 28. J. Moser, Berlin (type?). Washington
- P. (C.) persimilis* Chapin 1935: 70  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa (t.l.)  
**Collections.** Washington (type)
- P. (C.) pilotoensis* Garcia Vidal 1987: 304  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Batey de Moa (t.l.); Piloto, Moa  
**Collections.** Urbana (type). San Francisco
- P. (C.) potrerillo* Garcia Vidal 1987: 304  
**Distribution.** Cuba. Endemic  
**Cuba localities.** LV: Pico Potrerillo (t.l.)  
**Collections.** Urbana (type)
- P. (C.) pseudomicans* Chapin 1935: 73  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel (t.l.)  
**Collections.** Havana ?. Washington (type)
- P. (C.) puberula* (Jacquelin du Val) 1856: 130 (*Ancylonycha*); Chevrolat 1865: 24; Gundlach 1891: 137; Chapin 1932: 189  
**Distribution.** Cuba. Endemic. Introduced into USA (collected once at Miami, FL)  
**Cuba localities.** CA: Baraguá; Jaronú. Ci: Cayamas. Ha: Alquizar; Santiago de las Vegas. M: Hato Nuevo. PR: Cabanas. SC: Constancia. SS: Trinidad. The main pest of pineapple crops (Vázquez et al. 1992: 44)  
**Collections.** Berlin? (type?). Gundlach no. 20. Washington
- P. (C.) rangelana* Chapin 1935: 71  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel, 500 m (t.l.)  
**Collections.** Washington (type)
- P. (C.) sandersoni* Garcia Vidal 1988: 104  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato.(t.l.)  
**Collections.** Champaign. San Francisco (type). Washington
- P. (C.) santaclarae* Chapin 1932: 189  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Manacas (t.l.)  
**Collections.** Washington (type)
- P. (C.) santiaguensis* Garcia Vidal 1987: 303  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Cuidamar (t.l.)  
**Collections.** Champaign. San Francisco (type)
- P. (C.) scaramuzzai* Garcia Vidal 1988: 106

- Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guanahacabibes (t.l.)  
**Collections.** San Francisco (type)
- P. (C.) schwarzi* Chapin 1932: 184  
**Distribution.** Cuba Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)
- P. (C.) siboneyensis* Garcia Vidal 1988: 103  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Siboney (t.l.)  
**Collections.** Washington (type)
- P. (C.) signaticollis* (Burmeister) 1855: 337  
*(Ancylonycha)*; Jacquelin du Val 1856: 56;  
 Chevrolat 1865: 25; Chapin 1932: 190;  
 Chalumeau 1981: 177  
*Ancylonycha confusa* Jacquelin du Val 1856: 131  
 (type in Berlin?); Chevrolat 1865: 24; Gundlach  
 1891: 138  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas.Ha: Alquizar;  
 Havana; Hoyo Colorado; Santiago de las Vegas  
**Collections.** Gundlach no. 261. Halle? (type?);  
 Washington
- P. (C.) speculifera* (Chevrolat) 1865: 27; Gundlach  
 1891: 142; Chapin 1935: 69  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel; Las  
 Animas, (500 m)  
**Collections.** Gundlach no. 1138. Moser, Ber-  
 lin (cotype?). Philadelphia, (Poey cotype?).  
 Washington
- P. (C.) spinicola* Garcia Vidal 1984: 324  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Champaign. San Francisco  
 (type). Washington
- P. (C.) suturalis* (Chevrolat) 1865: 29  
*(Ancylonycha)*; Gundlach 1891: 142; Chapin  
 1932: 200  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. SS: Jatibonico.  
 IJ: (?)  
**Collections.** Gundlach no. 1140. J. Moser,  
 Berlin (type?). Washington
- P. (C.) tetracera* Chapin 1932: 193  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Seboruco (t.l.)  
**Collections.** Washington (type)
- P. (C.) trinitariensis* Garcia Vidal 1987: 306  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Lomas de Trinidad  
 ,Topes, (t.l.)  
**Collections.** Urbana (type)
- P. (C.) tuberculifrons* (Chevrolat) 1865: 23  
*(Ancylonycha)*; Gundlach 1891: 137; Chapin  
 1932: 186; Chalumeau 1989: 339  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Santo Tomas, Zapata  
**Collections.** Gundlach no. 1120. Paris. Phila-  
 delphia (Poey, cotypes?)
- P. (C.) vermiculata* Chapin 1932: 195  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Palma Mocha (t.l.)  
**Collections.** Washington (type)
- P. (C.) villaclarensis* Garcia Vidal 1987: 302  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienega de Zapata (t.l.)  
**Collections.** Urbana (type)
- P. (C.) zayasi* Garcia Vidal 1978: 10  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Represa La Demajagua  
 (t.l.). Attacking citrus and casuarina trees  
**Collections.** Havana. Zayas (type)

## TRIBEMACRODACTYLINI

**Anoplosiagum Blanchard 1850: 119**

- A. cubensis* Garcia Vidal 1982: 330  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Central Cuba (t.l.)  
**Collections.** Zayas (type)
- A. flavicollis* Chapin 1935: 68  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Pico Potrerillos, Trinidad  
 Mts. (t.l.)  
**Collections.** Washington (type)
- A. oteroi* Garcia Vidal 1982: 332  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Estacion Experimental  
 Agronomica Finca Coca (t.l.); Santiago de las  
 Vegas  
**Collections.** Zayas (type)
- A. pallidulum* Blanchard 1850: 120; Chevrolat 1865:  
 21; Gundlach 1891: 134; Chapin 1932: 177  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas; Soledad. M:  
 Cárdenas  
**Collections.** Gundlach no. 1139. Paris (type);  
 Washington
- A. pauliani* Chalumeau 1979: 229; 1981: 176  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Represa de La Fé (t.l.)  
**Collections.** Paris (type). Washington
- A. peltatum* Chapin 1932: 176  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: San Antonio de las Baños  
 (t.l.); Santiago de las Vegas

**Collections.** Washington (type)

*A. rufum* Chapin 1932: 177

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Central Jatibonico (t.l.)

**Collections.** Washington (type)

*A. rutilum* (Chevrolat) 1865: 22 (*Clavipalpus*);  
Gundlach 1891: 135; Chapin 1932: 178

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino, 4-5000'

**Collections.** Gundlach no. 553 (type?). Wash-  
ington

*A. scabrosum* Chapin 1932: 175

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Cabanas (t.l.)

**Collections.** Washington (type)

*A. scaramuzzai* Chapin 1935: 67

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de la Vegas,  
Arroyo Naranjo (t.l.)

**Collections.** Havana? Washington (type)

*A. simplicipes* Chapin 1932: 175

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá (t.l.)

**Collections.** Washington (type)

*A. swezeyi* Garcia Vidal 1982: 333

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Las Martinas (t.l.); San  
Julian

**Collections.** San Francisco. Zayas (type)

*A. turquinensis* Garcia Vidal 1982: 334

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.);  
Palma Mocha to Pico Joaquin

**Collections.** San Francisco. Zayas (type)

*A. variabile* Chevrolat 1865: 22; Gundlach 1891:  
135

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1137

*A. zayasi* Garcia Vidal 1982: 335

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: La Glorieta (t.l.)

**Collections.** San Francisco. Zayas (type)

#### SUBFAMILY RUTELINAE

##### TRIBE ANOMALINI

***Anomala* Samouelle 1819: 191**

*A. calceata* Chevrolat 1865: 28; Gundlach 1891: 143;  
Chapin 1932: 284

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Washington

#### TRIBE RUTELINI

***Rutela* Latreille 1802: 151**

*R. formosa* Burmeister 1844: 383; Jacquelin du Val  
1856: 130; Chevrolat 1865: 29; Gundlach 1891:  
144; Chapin 1932: 283; Chalumeau 1981: 177

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** Widespread

**Collections.** Halle (type?). Pittsburgh. Wash-  
ington

#### SUBFAMILY DYNASTINAE

##### TRIBE CYCLOCEPHALINI

***Cyclocephala* Latreille 1829: 552;** Key in Chapin  
1932: 287

*C. atricolor* Chapin 1932: 289

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá (t.l.). Gu:  
Baracoa

**Collections.** Washington (type)

*C. cardini* Chapin 1935: 74 (replacement name)

*C. signatoides* Chapin 1932: 287 (not Höhne 1923)

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: San Juan y Martinez  
(t.l.). Gu: Baracoa

**Collections.** Washington (type)

*C. cubana* Chapin 1932: 291; Chalumeau 1981: 178

*C. signata* of authors (in part)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Washington (type)

*C. frontalis* Chevrolat 1844: 90; Jacquelin du Val  
1856: 129; Chevrolat 1865: 30. Gundlach 1891:  
145

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Santa Barbara

**Collections.**

*C. fusiformis* Chapin 1932: 287

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Santa Barbara (t.l.)

**Collections.** Washington (type)

*C. notata* (Illiger) 1806: 235 (*Melolontha*); Chapin  
1932: 288

**Distribution.** Cuba (introduced), Jamaica,  
Hispaniola. **Note:** Probably introduced to Cuba  
from Hispaniola (Chapin 1932: 288)

**Cuba localities.** Gu: Guantánamo

**Collections.** Havana. Washington

*C. rangelana* Chapin 1935: 75; Joly 1995: 58

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Las Animas, Sierra  
Rangel (t.l.)

**Collections.** Washington (type). Havana?



*C. signata* Fabricius 1781: 39; Jacquelin du Val 1856: 128; Chevrolat 1865: 30; Gundlach 1891: 144

**Distribution.** Cuba, Jamaica, Grenada, Belize to Trinidad

**Cuba localities.** Widespread

**Collections.** Gundlach no. 262

*C. verticalis* Burmeister 1847: 51; Jacquelin du Val 1856: 129; Chevrolat 1865: 31; Gundlach 1891: 145; Chapin 1932: 290

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 36. Halle (type?).

Havana. Washington

***Dyscinetus* Harold 1869: 123.** Key in Chapin 1932: 293

*D. frater* Bates 1888: 312; Chapin 1932: 295

*D. picipes* Holland 1917: 340 (misidentification)

**Distribution.** Cuba, México to Panamá

**Cuba localities.** IJ: Neuva Jerona. Ci: Trinidad

**Collections.** Pittsburgh. Washington

*D. laevipunctatus* Bates 1888: 311; Chapin 1932: 295

*Chalepus trachypygus* Chevrolat 1865: 31

**Distribution.** Cuba, México to Panamá

**Cuba localities.** Ca: Jaronú. Ci: Baños Ciego Montera; Cayamas; Chaparra. Ha: Santiago de las Vegas. IJ: Neuva Gerona

**Collections.** Washington

*D. minor* Chapin 1935: 74

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Neuva Gerona. PR: San Juan y Martínéz (t.l.); El Rangel

**Collections.** Havana? Washington (type)

*D. morator* Fabricius 1798: 24

*Chalepus trachypygus* Burmeister 1847: 79;

Chevrolat 1865: 31; Gundlach 1891: 146

**Distribution.** Cuba, Puerto Rico, e USA

**Cuba localities.** PR: Rangel

**Collections.** Gundlach no. 1314

*D. picipes* (Burmeister) 1847: 79 (*Chalepus*); Chevrolat 1865: 31; Gundlach 1891: 145; Chapin 1932: 293

*Chalepus geminatus* (Fabricius) Jacquelin du Val

1856: 127

**Distribution.** Cuba. Hispaniola, Puerto Rico, Guadeloupe, México

**Cuba localities** Widespread and common

**Collections.** Gundlach no. 35. Washington

#### TRIBE PENTODONTINI

***Ligyryus* Burmeister 1847: 542;** key in Chapin 1932: 297. The genus *Tomarus* Erichson 1847 seems to have priority over *Ligyryus* but has not been used in a Cuban context.

*L. cuniculus* Fabricius 1801: 20

**Distribution.** Cuba, Jamaica to Puerto Rico, widespread Lesser Antilles, México to Trinidad, USA

**Cuba localities.**

**Collections.**

*L. fossor* (Latreille) 1833: 11; Chapin 1932: 297

*L. juvencus* of authors

**Distribution.** Cuba, Puerto Rico, Panamá to Argentina and Venezuela

**Cuba localities.** Ci: Cayamas. Ha: Santiago. M: Colón. PR: San Blas Martínéz; Pinar del Rio; San Diego

**Collections.** Havana. Washington

*L. gibbosus* DeGeer 1874: 322. The carrot beetle

**Distribution.** Cuba, Jamaica, México, USA (FL)

**Cuba localities.**

**Collections.**

*L. tumulosus* (Burmeister) 1847: 101 (*Heteronychus*); Chevrolat 1865: 31; Gundlach 1891: 131; Chapin 1932: 298

**Distribution.** Cuba, México, sw USA

**Cuba localities.** Ca: Jaronú. Gu: Guantánamo. Ho: Port Tanamo. IJ: Nueva Gerona. M: Cárdenas. SC: San Nicolas. SS: Trinidad

**Collections.** Gundlach no. 1085. Havana. Washington

#### TRIBE ORYCTINI

***Strategus* Hope 1837: 87;** key in Chapin 1932: 299, 300

*S. ajax* (Olivier) 1889: 27 (*Scarabaeus*); Chapin 1932: 300; Ratcliffe 1976: 106

*S. titanus*, Jacquelin du Val 1856: 125; Chevrolat 1865: 32; Gundlach 1891: 129; Ratcliffe 1976: 106; 1988: 54

**Distribution.** Cuba. Bahamas

**Cuba localities.** Widespread. Breeds in some agaves, and may attack sugarcane

**Collections.** Cambridge. Chicago. Gundlach no. 436 (*S. titanus*). Howden. London. New York. Pittsburgh. San Francisco. Washington

*S. anachoreta* Burmeister 1847: 134; Jacquelin du Val 1856: 124; Chevrolat 1865: 33; Gundlach

1891: 130; Chapin 1932: 301; Ratcliffe 1976: 114

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread. A pest of coconut palms, and may attack sugarcane

**Collections.** Cambridge. Halle (type). Gundlach no. 447. London. New York. Ottawa. Pittsburgh. San Francisco. Washington

*S. sarpedon* (Klug) 1829: 11; Ratcliffe 1976: 140

*Podalgus sarpedon* Burmeister, Jacquelin du Val 1856: 126

*Scatophilus sarpedon* Chevrolat 1865: 32; Gundlach 1891: 131

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread: May attack sugarcane

**Collections.** Type unknown. Cambridge. Gundlach no. 100. Howden. London. New York. Ottawa. Washington

*S. symphenax* Ratcliffe 1976: 148

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Las Martinas (t.l.)

**Collections.** Ratcliffe. Washington (type)

#### TRIBE PHILEURINI

***Hemiphileurus* Kolbe 1910: 336;** see key in Ratcliffe and Ivie 1998

*H. cribratus* (Chevrolat) 1844: 90 (*Phileurus*); Jacquelin du Val 1856: 123; Chevrolat 1865: 33; Gundlach 1891: 128; Chapin 1932: 306 (*Epiphileurus*); Endrödi 1985: 713

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 475. Paris (type?). Washington

*H. cubaensis* (Chalumeau) 1979: 230 (*Epiphileurus*), 1981: 178 (*E. cubensis*)

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba" (t.l.)

**Collections.** Paris (type)

*H. laminicornis* Dupuis and Dechambre 2000: 29

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra (t.l.)

**Collections.** Paris (type)

*H. parvus* Dupuis and Dechambre 2000: 31

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba"

**Collections.** Paris (type)

***Homophileurus* Kolbe 1910: 336;** key in Chapin 1932: 304

*H. cubanus* Prell 1911: 106; Chapin 1932: 304; Endrödi 1985: 711

*Phileurus quadrituberculatus* (Palisot de Beauvois) 1806: 42 (*Scarabaeus*); Jacquelin du Val 1856: 124; Chevrolat 1865: 34; Gundlach 1891: 129; distributed from México to Brazil, but also in Puerto Rico. Above early records from Cuba are probably misidentification of *H. cubanus*, Chapin 1932: 304

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguëy. Gu: Guantánamo (t.l.). IJ: Nueva Gerona. M: Cárdenas. PR: Rangel

**Collections.** Gundlach no. 474 (*P. quadrituberculatus*). Pittsburgh. Washington

#### ***Phileurus* Latreille 1807: 103**

*P. valgus* (Linnaeus) 1758: 347; Jacquelin du Val 1856: 123; Chevrolat 1865: 33; Gundlach 1891: 128; Ratcliffe 1988: 52

**Distribution.** Cuba, Jamaica, Puerto Rico, St. Croix, Guadeloupe, St. Vincent, Barbados, Grenada, México to Argentina, USA (southern)

**Cuba localities.** Ca: Jaronú. CA: Baraguá. Ci: Cayamas. Ha: Havana; Santiago. M: Cárdenas

**Collections.** Gundlach no. 130. Washington

#### ***Planophileurus* Chapin 1932: 307**

*P. planicollis* (Chevrolat) 1865: 34 (*Phileurus*); Gundlach 1891: 129; Endrödi 1985: 704; Ratcliffe 1988: 54

*Epiphileurus planicollis* Kolbe 1910: 342

**Distribution.** Cuba, Bahamas

**Cuba localities.** Ha: Havana; Santiago. PR: Heradura

**Collections.** Gundlach no. 150. Philadelphia, Poey. Washington

#### SUBFAMILY CETONIINAE

##### TRIBE GYMNETINI

#### ***Gymnetis* MacLeay 1819: 152**

*G. lanius* (Linnaeus) 1766: 557

*Gymnetis sternalis* Chevrolat 1865: 35; Gundlach 1891: 14; Chapin 1932: 310

**Distribution.** Cuba, eastward to St. Lucia

**Cuba localities.** M: Cienaga de Zapata. Ha: Havana. SC: Manacas. VC: in caves with dry guano as larval food

**Collections.** Gundlach no. 1203. Washington

#### ***Tiarocera* Burmeister 1842: 247**

*T. cornuta* (Gory and Percheron) 1833: 69 (*Gymnetis*); Jacquelin du Val 1857: 136; Chapin 1932: 309

*Allorhina (Tiarocera) cornuta*, Chevrolat 1865: 34; Gundlach 1891: 146

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread. CA: Baraguá. Gu: Guantánamo. Ha: in cave with dry guano as larval food. PR: Cerro Cabras. SC: Santiago

**Collections.** Gatineau. Gundlach no. 437. Washington

#### REFERENCES

- Cartwright, O. L.** 1973. *Ataenius*, *Aphotaenius*, and *Pseudataenius* of the United States and Canada (Coleoptera: Scarabaeidae: Aphodiinae). *Smithsonian Cont. Zool.* 154: 105 pp.
- Cartwright, O.L. and R.E. Woodruff.** 1969. Ten *Rhyparus* from the Western Hemisphere (Coleoptera: Scarabaeidae: Aphodiinae). *Smithsonian Cont. Zool.* 21: 1-20.
- Chalumeau, F.** 1979. Diagnose préliminaire de quatre nouveaux Scarabaeidae de Cuba. *Nouv. Rev. Ent.* 9: 229-230.
- Chalumeau, F.** 1981. Scarabaeoidea (Coleoptera) recoltés par V. Decou. Résultats des expéditions biospéologiques Cubano-Roumaines à Cuba 3: 173-180.
- Chalumeau, F.** 1989. *Phyllophaga* Harris 1826 des Antilles (Melolonthinae): espèce nouvelle designation de lectotypes et synonymies. *Nouv. Rev. Ent.* 6: 330-340.
- Dupuis, F. and R.-P. Dechambre.** 2000. Dix nouvelles espèces d'*Hemiphileurus* Kolbe, 1910 (Coleoptera, Dynastidae). *Côleoptères* 6: 21-32.
- Endrödi, S.** 1985. The Dynastinae of the World. Series Entomol., vol. 28. Dr. W. Junk Publ., Dordrecht. 800 pp.
- Fernandez Garcia, I.** 1998. Algunos aspectos ecológicos de la comunidad de coleopteros de un agroecosistema canero en la provincia de La Habana. *Poeyana* 460: 1-14.
- Garcia Vidal, M.** 1975. Compilacion sobre los principales aspectos relativos al genero *Phyllophaga*. *Revista Agrotec. Cuba* 7: 17-22.
- Garcia Vidal, M.** 1978. El Genero *Phyllophaga* Harris 1826 (Coleoptera: Scarabaeidae) en Cuba I. Descripción de cinco nuevas especies. *Poeyana* 182: 1-14.
- Garcia Vidal, M.** 1982. The genus *Anoplosiagum* Blanchard (Coleoptera, Scarabaeidae) in Cuba. Part I. Descriptions of five new species. *Pan-Pac. Ent.* 58: 330-335.
- Garcia Vidal, M.** 1984. The genus *Phyllophaga* Harris 1826 (Coleoptera: Scarabaeidae) in Cuba. II. Descriptions of eleven new species and illustrations of female genitalia of twelve other *Phyllophaga*. *Pan-Pac. Ent.* 60: 313-325.
- Garcia Vidal, M.** 1987. The genus *Phyllophaga* Harris 1826 (Coleoptera: Scarabaeidae) in Cuba. IV. Description of six new species. *J. New York Ent. Soc.* 95: 302-306.
- Garcia Vidal, M.** 1988. The genus *Phyllophaga* Harris 1826 (Coleoptera: Scarabaeidae) in Cuba. III. Descriptions of six new species and the male of *P. chapini*. *Pan-Pac. Ent.* 64: 101-106.
- Gordon, R.D. and R. Pittino.** 1992. Current status of the American genera and species of Psammodiini (Coleoptera: Scarabaeidae: Aphodiinae). *Coleop. Bull.* 46: 260-273.
- Howden, H.F. and B.D. Gill.** 2000. Tribes of New World Ceratocanthinae, with keys to genera and descriptions of new species (Coleoptera: Scarabaeidae). *Sociobiology* 35: 281-329.
- Joly, L.J.** 1995. *Cyclocephala rangelana* Chapin y *Cyclocephala vidua* Endrödi, dos especies Antillanas estrechamente relacionadas (Coleoptera, Melolonthidae, Dynastinae, Cyclocephalini). *Bol. Ent. Venez. N. s.* 10: 57-67.
- Matthews, E.G.** 1966. A taxonomic and zoogeographic survey of the Scarabaeinae of the Antilles (Coleoptera: Scarabaeidae). *Mem. Amer. Ent. Soc.* 21. 134 pp.
- Matthews, E.G.** 1969. New data on Antillean Scarabaeine beetles, and two new species from Hispaniola. *Psyche* 76: 114-125.
- Muslera Ramos, L. and Fernandez Garcia, I.** 1998. Actual state of knowledge of genus *Phyllophaga* (Coleoptera: Scarabaeidae) in Cuba – Estado actual de conocimiento del genero *Phyllophaga* (Coleoptera: Scarabaeidae) en Cuba. *Poeyana* 461: 1-22.
- Ratcliffe, B.C.** 1976. A revision of the genus *Strategus* (Coleoptera: Scarabaeidae). *Bull. Univ. Nebraska St. Mus.* 10: 93-204.
- Ratcliffe, B.C.** 1988. New species and distributions of Neotropical Phileurini and a new Phileurine from Burma (Coleoptera: Scarabaeidae: Dynastinae). *Coleop. Bull.* 42: 43-55.
- Ratcliffe, B.C., and M.A. Ivie.** 1998. New species of *Hemiphileurus* Kolbe (Coleoptera: Scarabaeidae: Dynastinae) from the Dominican Republic with a key to the West Indian species of *Hemiphileurus*. *Coleop. Bull.* 52: 201-208.
- Stebnicka, Z.** 2002. The New World species of *Ataenius* Harold, 1867. II. Revision of the West Indian *A. terminalis*-group (Coleoptera:

Scarabaeidae: Eupariini). Acta Zool. Cracov. 45: 259-281.

**Vázquez, L.L., E. Valdés, and J.C. Amor.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.

**Woodruff, R.E.** 1973. The scarab beetles of Florida. Arthropods of Florida Vol. 8. 220 pp.

**Woodruff, R.E. and B.M. Beck.** 1989. The scarab beetles of Florida. Part II. The May beetles (genus *Phyllophaga*). Arthropods of Florida Vol. 13. 225 pp.

**Woodruff, R.E. and O.L. Cartwright.** 1967. A review of the Genus *Euparixia* with description of a new species from nests of leaf-cutting ants in Louisiana. Proc. U.S. Nat. Mus. 123: 1-21, no. 3616.

**Zayas, F. de and E.G. Matthews.** 1966. Revisión de los Cantoninos de Cuba (Coleoptera; Scarabaeidae) con la descripción de seis nuevas especies. Poeyana 14: 1-24.

#### SERIES ELATERIFORMIA

##### 42. FAMILY PODABROCEPHALIDAE

This family is based on *Podabrocephalus* of southern India.

##### 43. FAMILY RHINORHIPIDAE

This family is based on *Rhinorhipus* of eastern Australia.

#### SUPERFAMILY SCIRTOIDEA

##### 44. FAMILY DECLINIIDAE

This family is known only from the Soviet Far East.

##### 45. FAMILY EUCINETIDAE

The family is almost world-wide in distribution and probably occurs in Cuba. Adults and larvae are found in leaf litter, and under bark. They feed on fungus or slime molds.

##### 44. FAMILY CLAMBIDAE

The minute beetles

This family probably occurs in Cuba. It is known from North, Central and South America, but in the West Indies only on Hispaniola (Endrody-Younga 1981, 1998). Species are usually found in debris piles or leaf litter, where they probably feed on fungal spores; some may be predators on scale insects.

#### REFERENCES

**Endrody-Younga, S.** 1981. The American species of the Familia Clambidae (Coleoptera, Eucinetoidae). Ent. Generalis 7: 33-67

**Endrody-Younga, S.** 1998. The genus *Clambus* in Central and South America (Coleoptera: Eucinetoidae: Clambidae). Ann. Transvaal Museum 36: 373-403

#### 47. FAMILY SCIRTIDAE

The marsh beetles

This family usually occurs on vegetation near water or in damp places. *Ora* and *Scirtes* are mostly tropical, and have enlarged hind legs for jumping. The larvae usually live in water in streams, ponds, swamps, and even bromeliad bases, and feed on a diversity of organic matter.

#### SUBFAMILY HELODINAE

##### *Elodes* Latrielle 1796: 44

*E. angustata* Chevrolat 1870: 68; Gundlach 1891: 245

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Santiago de Cuba

**Collections.** Gundlach no. 1777

*E. xanthura* Chevrolat 1870: 68; Gundlach 1891: 244

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas; Cienaga de Zapata

**Collections.** Gundlach no. 1041

##### *Ora* Clark 1865: 385

*O. bicolor* Zayas 1988: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Siboney (t.l.)

**Collections.** Zayas (type)

*O. guttata* Zayas 1988: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Havana (t.l.)

**Collections.** Zayas (type)

*O. interrupta* (Chevrolat) 1870: 69 (*Scirtes*); Gundlach 1891: 246

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 556

*O. sexlineata* (Chevrolat) 1870: 69 (*Scirtes*); Gundlach 1891: 245

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 962



**Scirtes Illiger 1807: 301**

*S. apicalis* Chevrolat 1870: 70; Gundlach 1891: 246

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 692.

*S. cinctipennis* Chevrolat 1870: 69; Gundlach 1891: 246

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 900

*S. fusca* Chevrolat 1870: 70; Gundlach 1891: 246

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas; Cienaga de Zapata

**Collections.** Gundlach no. 652

**SUPERFAMILY DASCILLOIDEA****48. FAMILY DASCILLIDAE**

This family occurs in North, Central, and South America but is seemingly not reported from the Caribbean.

**49. FAMILY RHIPICERIDAE**

This family occurs in North, Central, and South America but is seemingly not the Caribbean region. Larvae of species of *Sandalus* are ectoparasitoids on cicadas, which do occur in the Caribbean region.

**SUPERFAMILY BUPRESTOIDEA****50. FAMILY SCHIZOPODIDAE**

This family only occurs in the southwestern USA, and larvae may be root feeders.

**51. FAMILY BUPRESTIDAE**

The metallic wood-boring beetles

Reviewed by Richard Westcott, March, 1997;

Charles L. Bellamy, November, 2001; T. C.

MacRae, December, 2001.

Adults are active daytime flyers. They can be found feeding on leaves, pollen, petals and on nectar of flowers. The larvae bore in both living and dead plant tissue under bark, in twigs, in roots of trees and shrubs, and stems of herbaceous plants. See Cazier (1952) for key to genera in Bahamas and Fisher (1925) for a review of the West Indies fauna, keys to species, and Cuba localities and collections.

**SUBFAMILY POLYCESTINAE****TRIBE POLYCESTINI*****Polycesta* Solier 1833: 281**

*P. (P.) angulosa* Jacquelin du Val 1856: 62; Chevrolat 1867: 582; Gundlach 1891: 166; Fisher 1925: 20

*P. excavata* Kerremans 1904: 518

**Distribution.** Cuba, Bahamas, USA (AL-GA-FL, Cazier 1952)

**Cuba localities.** Gu: Caimanera

**Collections.** Gundlach no. 807. New York. Philadelphia. Washington

*P. (P.) chevrolati* Thomson 1878: 43; Kerremann 1906: 488

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** London (type)

*P. (P.) goryi* Saunders 1871: 58; Fisher 1925: 12; Cobos 1981: 78

**Distribution.** Cuba, Bahamas, Mexico (Yucatan), Colombia, Venezuela, French Guyana

**Cuba localities.**

**Collections.**

*P. (Tularensis) cubae* Chevrolat 1838: 55; 1867: 582; Gory 1840: 141; Jacquelin du Val in Sagra 1856: 62; Gundlach 1891: 165; Kerremans 1906: 500; Fisher 1925: 10.

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo

**Collections.** Gundlach no. 861. New York. Washington

**TRIBE ACMAEODERINI*****Acmaeodera* Eschscholtz 1829: 9**

*A. cubaecola* Jacquelin du Val 1856: 57; Chevrolat 1867: 583; Gundlach 1891: 167; Kerremans 1906: 61; Fisher 1925: 39

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Gu: Caimanera

**Collections.** Gundlach no. 1414. London. Philadelphia. Washington

*A. marginenotata* Chevrolat 1867: 583; Gundlach 1891: 167; Kerremans 1906: 56; Fisher 1925: 34

*A. cubaecola* Fall 99: 35 (not *A. cubaecola* Jacquelin du Val)

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** Ci: Cienfuegos. Gu: Caimanera

**Collections.** Gundlach no. 809

*A. pulcherrima* Jacquelin du Val 1856: 56; Chevrolat 1867: 583; Gundlach 1891: 166; Fall 1899: 16; Kerremans 1906: 53; Fisher 1925: 42

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Caimanito; Guantánamo  
**Collections.** Gundlach no. 808. New York.  
 Philadelphia, Washington

*A. subcylindrica* Fisher 1925: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

#### TRIBE TYNDARINI

##### ***Tyndaris* Thomson 1857: 168**

*T. (Knulliella) mojito* Bily 1987: 45

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Daiquiri. On *Coccoloba*

**Collections.** Prague?

#### TRIBEMASTOGENIINI

##### ***Mastogenius* Solier 1852: 507**

(*M. castlei* Champlain and Knull 1922: 145;  
 Westcott 1990: 256)

*M. antennatus* Cazier 1952: 6

**Distribution.** Cuba?; Bahamas, USA (FL).

Reared from pods of *Tamarindus indica*

**Cuba localities.**

**Collections.**

##### ***Micrasta* Kerremans 1893: 115**

*M. cubensis* Fisher 1930: 10

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*M. subcylindrica* Fisher 1939: 165

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### SUBFAMILY BUPRESTINAE

##### TRIBE CHALCOPHORINI

##### SUBTRIBE CHALCOPHORINA

##### ***Chalcophora* Solier 1833: 278**

*C. virginensis* (Drury) 1872: 66 (*Buprestis*);  
 Chevrolat 1867: 573; Gundlach 1891: 155;  
 Fisher 1925: 76

**Distribution.** Cuba (introduced?), México,  
 Guatemala, Honduras, USA (widespread),  
 Canada

**Cuba localities.** Gundlach (1891) states that  
 the species was introduced by ships to Cuba  
 from the USA. It feeds on pine trees

**Collections.**

#### SUBTRIBE PRISTIPTERINA

##### ***Chrysesthes* Solier 1833: 290**

*C. lanieri* (Chevrolat) 1838: 280 (*Buprestis*);  
 Jacquelin du Val 1856: 61; Chevrolat 1867: 574  
 (*Pelecopselaphus*); Gundlach 1891: 157; Fisher  
 1925: 67

*Chrysesthes persimeri* Obenberger 1926: 154

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguëy. M: Cárdenas.

Larvae live in royal palms

**Collections.** Gundlach no. 244. Philadelphia.  
 Washington

##### ***Halecia* Laporte and Gory 1837: 108**

*H. verecunda* Chevrolat 1867: 578; Gundlach 1891:  
 156; Fisher 1925: 79

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 792

#### SUBTRIBE EUPLECTALECINA

##### ***Euplectalecia* Obenberger 1924: 20**

*E. quadricolor* (Chevrolat) 1867: 574 (*Halecia*);  
 Gundlach 1891:157

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1417

#### SUBTRIBE EUCHROMATINA

##### ***Euchroma* Solier 1833: 284**

*E. gigantea* Linnaeus 1764: 85; Fisher 1925: 62

*E. g. harperi* Sharp 1881: 298. Cuba, Guadeloupe,  
 Guyana

**Distribution.** Cuba, Jamaica, Guadeloupe,  
 México to Argentina

**Cuba localities.**

**Collections.** London

#### SUBTRIBE AGAEOCERINA

##### ***Peronaemis* Waterhouse 1887: 178**

*Paracinyra* Fisher 1925: 133; Bellamy 2000:163

*P. elegans* (Fisher) 1930: 127 (*Paracinyra*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*P. monticola* (Fisher) 1936: 343 (*Paracinyra*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Havana (Bruner?). Washington  
 (type)

*P. viridimaculata* (Fisher) 1925: 134 (*Paracinyra*);  
Bellamy 2000: 163

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.)

**Collections.** New York (type)

*P. viridithorax* Zayas 1988: 39; possibly a synonym  
of *P. monticola* (Fisher) (Bellamy 2000: 163)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Paso de Calas, below Pico  
Turquino (t.l.)

**Collections.** Zayas (type)

#### TRIBE PSILOPTERINI

##### *Hilarotes* Thomas 1778: 39

*H. chalcoptera* (Jacquelin du Val) 1856: 59  
(*Buprestis*); Chevrolat 1867: 578; Gundlach  
1891: 161; Fisher 1925: 73

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 308. London.  
Philadelphia. Washington

##### *Lampetis* Spinola 1837: 120.

[*L. aurifer* (Olivier) 1790: 13 (*Buprestis*); Herbst  
1801: 185; Fabricius 1801: 191; Schonherr  
1817: 219; Jacquelin du Val 1856: 58; Chevrolat  
1867: 575; Gundlach 1891: 158; Kerremanns  
1910: 57; Fisher 1925: 54 (all as *Psiloptera*)]

**Distribution.** Hispaniola, South America (?)

**Cuba localities.** Doubtful old records (see  
Fisher 1925: 56)

**Collections.**

*L. straba* (Chevrolat) 1867: 575 (*Psiloptera*);  
Gundlach 1891: 158; Kerremans 1910: 58 (all  
as *Psiloptera*)

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Nueva Gerona. Gu: San  
Francisco; Vuelta Abaja. PR: Viñales. Feeds  
on pine needles

**Collections.** Gundlach no. 1257. New York..  
Philadelphia. Pittsburgh. Washington

*L. torquata* (Dalman) 1823: 54 (*Buprestis*);  
Jacquelin du Val 1856: 59; Castelnau and Gory  
1837: 36; Chevrolat 1867: 576; Gundlach 1891:  
159; Kerremanns 1910: 55; Fisher 1925: 51 (all  
as *Psiloptera*)

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Cayamas. IJ: Nueva  
Gerona. M: Zapata

**Collections.** London. New York. Pittsburgh.  
Washington

#### TRIBE DICERCINI SUBTRIBE DICERINA

##### *Dicerca* Eschscholtz 1829: 9

*D. tuberculata* Laporte and Gory 1837: 99;  
Chevrolat 1867: 577; Gundlach 1891: 159. The  
turpentine beetle

**Distribution.** Cuba (introduced), widespread  
USA (not FL), Canada

**Cuba localities.** Ha: Havana. Gundlach  
(1891) states that the species was imported into  
Cuba in lumber

**Collections.** Gundlach no. 1542

#### SUBTRIBE PHRIXIINA

##### *Spectralia* Casey 1909: 175

*S. costulifera* (Chevrolat) 1867: 579 (*Cinyra*);  
Gundlach 1891: 162; Fisher 1925: 138

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no.105. New York.  
Philadelphia. Washington

*S. multipunctata* (Olivier) 1790: 86 (*Buprestis*);  
Jacquelin du Val 1856: 61; Chevrolat 1867: 579;  
Gundlach 1891: 162; Fisher 1925: 140

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Havana; Bahia Honda.  
M: Fermina

**Collections.** Gundlach no.1261. London.  
Washington

*S. sulcicollis* (Chevrolat) 1867: 580 (*Cinyra*);  
Gundlach 1891: 163; Fisher 1925: 137

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Caimanera

**Collections.** Gundlach no.1418

#### TRIBE BUPRESTINI

##### *Buprestis* Linnaeus 1758: 408

*B. (Buprestis) cubensis* Fisher 1925: 157

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Viñales (t.l.)

**Collections.** New York

*B. (Buprestis) decipiens* Fisher 1925: 158

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Nueva Gerona. PR:  
Viñales (t.l.)

**Collections.** Carnegie. New York. Washing-  
ton

*B. (Buprestis) lineata* Fabricius 1775: 217; Chevrolat  
1867: 577; Gundlach 1891: 160; Fisher 1925:  
152

*Ancylochira lineata* Castelnau and Gory 1838: 143; Gundlach 1891: 623

**Distribution.** Cuba, Puerto Rico, Guadeloupe, Argentina, USA (TX-IN-FL), Canada

**Cuba localities.** Ca: Camaguëy. M: Cienaga de Zapata. SC: Santiago. Larvae live in pine trees

**Collections.** Gundlach no. 1416

*B. (Buprestis) zayasi* Fisher 1952: 329

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Pinares de Moa (t.l.)

**Collections.** Washington

*B. (Sterosa) apricans* Herbst 1801: 125; Fisher 1925: 147

**Distribution.** Cuba (introduced), USA (TX-NY-FL)

**Cuba localities.** Ha: Havana. Probably introduced to Cuba in pine lumber

**Collections.** Washington

*B. (Stereosia) decora* Fabricius 1775: 217; Chevrolat 1867: 578; Gundlach 1891: 161; Fisher 1925: 148

*Ancylochira decora* Castelnau and Gory 1838: 143; Gundlach 1891: 623

**Distribution.** Cuba, Puerto Rico, Guadeloupe, USA (TX-NJ-FL)

**Cuba localities.**

**Collections.** Gundlach no. 1630. Philadelphia

#### TRIBE MELANOPHILINI

##### *Melanophila* Eschscholtz 1829: 9

*M. acuminata* (DeGeer) 1874: 133 (*Buprestis*)

*M. longipes* Say 23-164; Chevrolat 1867: 581; Gundlach 1891: 164

**Distribution.** Cuba, Bahamas, Hispaniola, México to Honduras, USA (CA-FL-NJ-MO), introduced to Old World?

**Cuba localities.** Ca: Camaguëy. SC: Brazo el Cauto

**Collections.** Gundlach no. 1853

*M. notata* (Laporte and Gory) 1837: 4; Chevrolat 1867: 580; Gundlach 1891: 163; Fisher 1925: 171

**Distribution.** Cuba, Bahamas, México, USA (e, FL)

**Cuba localities.** IJ

**Collections.** Gundlach 1705

#### TRIBE ANTHAXIINI SUBTRIBE XENORHIPIDINA

##### *Isophaenus* Waterhouse 1889: 175

*I. acunai* Fisher 1936: 272

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.)

**Collections.** Washington (type)

##### *Xenorhipis* LeConte 1866: 384

*X. vauriei* Cazier 1952: 3

*Isophaenus israeli* Zayas 1988: 40; Ivie 1991: 400

**Distribution.** Cuba; Bahamas

**Cuba localities.** Gu: Guantánamo, Tortuguilla (t.l.)

**Collections.** Zayas (type)

#### SUBTRIBE ANTHANIINA

##### *Anthaxia* Eschscholtz 1829: 9

[*A. fulgurans* (Schrank) 1789: 85; Bily 1991: 126]

*A. bifoveata* Fisher 1925: 168. New York (type)

**Distribution.** A European species; the Cuba record is an error in labeling

*A. viridifrons* Gory 1841: 248

*A. subsinuata* Gory 1841: 289; Jacquelin du Val 1856: 65; Chevrolat 1867: 581; Gundlach 1891: 164; Fisher 1925: 169; synonymy in Bily 1991: 136

**Distribution.** Cuba, widespread eastern USA

**Cuba localities.** "Cuba"

**Collections.** Paris (type)

#### TRIBE CHRYSOBOTHRINI SUBTRIBE CHRYSOBOTHRINA

##### *Chrysobothris* Eschscholtz 1829: 9

*C. cubensis* Théry 1927: 31

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. fisheri* Théry 1927: 31

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. lepida* Laporte and Gory 1837: 16; Jacquelin du Val 1856: 64; Chevrolat 1867: 585; Gundlach 1891: 168; Fisher 1925: 110

**Distribution.** Cuba, Bahamas, Puerto Rico

**Cuba localities.** Widespread

**Collections.** Gundlach no. 505. New York. Philadelphia. Washington

*C. sexfasciata* Schaeffer 1918: 212; Fisher 1925: 127

**Distribution.** Cuba, Bahamas, Jamaica, USA (FL)

**Cuba localities.** Ca: Camaguëy. Ci: Cayamas

**Collections.** Washington



*C. tranquebarica* (Gmelin) 1788 (1790): 1932 (*Buprestis*); Fisher 1925: 96. The Australian Pine borer

*C. impressa* Chevrolat 1867: 586; Gundlach 1891: 169 (not Fabricius)

**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, Dominica, Grenada, Guadeloupe, Surinam, USA (FL). Larvae bore in *Casuarina* and *Rhizophora*; also in *Cassia*, *Conocarpus*, and *Pinus pallustris* (Benoit, 1966, Can. Ent. 98: 324-330)

**Cuba localities.**

**Collections.**

*C. tumida* Chevrolat 1867: 585; Gundlach 1891: 168; Fisher 1925: 99

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 839. Philadelphia. Washington

#### SUBTRIBE ACTENODINA

##### *Actenodes* Lacordaire 1857: 72

*A. auronotatus* (Laporte and Gory) 1837: 20 (*Chrysobothris*); Jacquelin du Val 1856: 64; Chevrolat 1867: 584; Gundlach 1891: 168; Fisher 1925: 88

**Distribution.** Cuba, Jamaica, Hispaniola, USA (FL-GA)

**Cuba localities.** Widespread.

**Collections.** Gundlach no. 201. London. New York. Philadelphia. Pittsburgh. Washington

*A. caray* Zayas 1988: 41

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Ciudad Mar (t.l.)

**Collections.** Zayas (type)

#### SUBFAMILY AGRILINAE

##### TRIBE AGRILINI

##### *Agrilus* Curtis 1825: 67

*A. denticornis* Chevrolat 1867: 586; Gundlach 1891: 170; Fisher 1925: 200

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 959

*A. dominicanus* Thomas 1878: 83; Fisher 1925: 198

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Gu: Guantánamo, Rio Seco

**Collections.** London. New York

##### TRIBE TRACHINI

##### SUBTRIBE LEIOPLEURINA

##### *Leiopleura* Deyrolle 1864: 219

*L. compactilis* Chevrolat 1867: 588; Gundlach 1891: 171; Fisher 1925: 194

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Guamarco, between Cárdenas and Mantanzas

**Collections.** Gundlach no. 862

*L. cupeyali* Zayas 1988: 44. (possibly *Neotrachys*, Ivie 1991: 400)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Cupeyal (t.l.)

**Collections.** Zayas (type)

*L. cyanea* Zayas 1988: 44. (possibly *Neotrachys*, Ivie 1991: 400)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Cupeyal (t.l.)

**Collections.** Zayas (type)

*L. otero* (Fisher) 1935: 52 (*Enbrachys*); Nelson et al. 1981: 144

**Distribution.** Cuba. Endemic USA (FL, a probable introduction which has died out)

**Cuba localities.** Ha: Santiago de las Vegas (t.l.)

**Collections.** Washington (type)

#### SUBTRIBE BRACHYINA

##### *Taphrocerus* Solier 1833: 314

*T. aeneocupreus* Fisher 1925: 190

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*T. bruneri* Fisher 1930: 8.

*T. brunneri* Obenberger 1934: 50

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Central Baraguá (t.l.)

**Collections.** Havana. Washington (type)

*T. laesicollis* Chevrolat 1867: 587; Gundlach 1891: 170; Fisher 1925: 183

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*T. tao* Zayas 1988: 41

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Viñales (t.l.)

**Collections.** Zayas (type)

*T. timidus* Chevrolat 1867: 587; Gundlach 1891: 171; Fisher 1925: 191; Fernandez Garcia 1998: 3

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata. PR: Viñales. On *Juncu*

**Collections.** Gundlach no. 1053. New York. Washington

## REFERENCES

- Bellamy, C. L.** 2000. New synonymy and combinations in Antillean Buprestidae (Coleoptera). *Ann. Transvaal Mus.* 37: 163-164.
- Bily, S.** 1991. Taxonomical notes on *Anthaxia* with descriptions of new taxa (Coleoptera, Buprestidae). *Acta Ent. Bohemoslovaca* 88: 121-137.
- Cazier, M.** 1952. Additions to the Buprestid fauna of the Bahama Islands, British West Indies (Coleoptera: Buprestidae). *Amer. Mus. Novitates* 1562. 10 pp.
- Fernandez Garcia, I.** 1998. Algunos aspectos ecologicos de la comunidad de coleopteros de un agroecosistema cañero en la provincia de La Habana. *Poeyana* no. 460, 114.
- Fisher, W.S.** 1925. A revision of the West Indian Coleoptera of the family Buprestidae. *Proc. U.S. Nat. Mus.* 65(8): 1-207.
- Ivie, M. A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, *Entomofauna Cubana*. Order Coleoptera. *Coleop. Bull.* 45: 399-401.

## SUPERFAMILY BYRRHOIDEA

## 52. FAMILY BYRRHIDAE

The family is mostly temperate in distribution. It is not known from the West Indies. *Martinius ripisaltator* Spilman of Cuba (which Spilman called a byrrhid (1959, *Coleop. Bull.* 13: 118)) is now placed in the family Limnichidae.

## 53. FAMILY ELMIDAE

## The riffle beetles

These beetles occur where there is running water. Adults and larvae of most species occur on submerged rocks and in debris and gravel. Darlington (1927) gives an outdated key to the Cuban species.

## SUBFAMILY ELMINAE

## TRIBE ELMINI

***Cylloepus* Erichson 1847: 521**

- C. filiformis* (Darlington) 1927: 94 (*Helmis*); Darlington 1936: 79 (*Helmis*); Spangler 1973: 357; 1981: 165
- Distribution.** Cuba; Jamaica. *C. filiformis jamaicensis* (Darlington, 1927) occurs in Jamaica
- Cuba localities.** Ci: Soledad (t.l.). Gu: Rio Jojo, Veguita del Sur; Rio Yumuri. PR: Rio Los Palacios
- Collections.** Cambridge (type). Washington

- C. quadrata* (Darlington) 1927: 95 (*Helmis*); Darlington 1936: 81 (*Helmis*); Spangler 1973: 356; 1981: 169
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Soledad (t.l.). PR: Rio Los Palacios
- Collections.** Cambridge (type)

***Neoelmis* Musgrave 1935: 34**

- N. minima* (Darlington) 1927: 93 (*Helmis*); Darlington 1936: 79 (*Helmis caesa minima*); Spangler 1973: 357; 1981: 165
- Distribution.** Cuba, Jamaica, Hispaniola
- Cuba localities.** Ci: Soledad (t.l.). Gu: Arroyo de la Poa; Baracoa; Rio Contramaestra; Rio Yumuri.. Ho: Mayari; Rio Brazo Seco; Rio Seboruco. IJ: Arroyo La Talega. PR: Rio Los Palacios
- Collections.** Cambridge (type). Washington

***Xenelmoides* Hinton 1935: 5**

- X. simplex* (Darlington) 1927: 96; 1936: 78 (*Helmis*); Spangler 1973: 357; 1981: 164
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Soledad (t.l.). Gu: Rio Baracoa at Tinta. IJ: Arroyo de Talega. PR: Rio Los Palacios, Las Villas; Rio Cuburny; Rio Cuyaguatete
- Collections.** Cambridge (type). Washington

## SUBFAMILY LARAINAE

***Phanocerus* Sharp 1882: 128**

- P. clavicornis* Sharp 1882: 129; Spangler 1973: 356; 1981: 164; Spangler and Santiago-Fragoso 1992: 13
- Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, México to Panama, USA (TX)
- Cuba localities.** Widespread
- Collections.** Cambridge. Washington

## REFERENCES

- Darlington, P.J., Jr.** 1927. Four new Helmidae from Cuba, with notes on other West Indian species. *Psyche* 34: 91-97.
- Spangler, P.J.** 1973. Aquatic Coleoptera collected in the biospeleological expeditions. Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba 1: 353-358.
- Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologiques Cubano-Roumaines à Cuba 3: 145-171.

**Spangler, P. J., and S. Santiago-Fragoso.** 1992. The aquatic beetle subfamily Larainae (Coleoptera: Elmidae) in México, Central America, and the West Indies. *Smith. Cont. Zool.* 528: 1-74.

#### 54. FAMILY DRYOPIDAE

The long-toed water beetles

This family has aquatic larvae and some adults are also aquatic. They occur in streams, in rotten logs, leaf litter, and flood debris, and adults come to lights.

#### *Pelonomus* Erichson 1847

*P. obscurus gracilipes* Chevrolat 1864c: 406; Gundlach 1891: 51; Darlington 1936: 77  
**Distribution.** Cuba, Bahamas, USA (OK-DE-FL). *P. o. obscurus* is in México, Guatemala, and Texas  
**Cuba localities.** Ci: Soledad. M: Cárdenas; Cienaga de Zapata  
**Collections.** Cambridge

#### 55. FAMILY LUTROCHIDAE

The travertine beetles

Both adults and larvae of this family are aquatic, and occur on rocks in rapids and flowing areas of streams with high calcium content. They occur from the southern United States to Brazil.

#### *Lutrochus* Erichson 1847: 509

*L. geniculatus* Chevrolat 1864c: 406; Gundlach 1891: 51; Darlington 1936: 75; Spangler 1981: 166  
**Distribution.** Cuba; Hispaniola  
**Cuba localities.** Gu: Guantánamo, Rio Guasco; Rio Mogote at Matias  
**Collections.** Cambridge. Washington

#### REFERENCES

**Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. *Resultats des expeditions biospéologique Cubano-Roumaines à Cuba* 3: 145-171.

#### 56. FAMILY LIMNICHIDAE

The minute marsh-loving beetles

Adults often come to lights at night. Adults and larvae may live in soil under moss and algae, at stream edges, and in flood debris.

#### SUBFAMILY CEPHALOBYRRHINAE

#### *Throscinus* LeConte 1874: 51

*T. aethiops* Darlington 1936: 75; Wooldridge 1981: 220

**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, USA (FL)

**Cuba localities.** None given

**Collections.** Cambridge (type)

#### SUBFAMILY LIMNICHINAE

##### TRIBE LIMNICHINI

*Eulimnichus* Casey 1889: 146. Key in Wooldridge 1979

*E. ater* (LeConte) 1854: 117 (*Limnichus*); Wooldridge 1978: 166

**Distribution.** Cuba, Jamaica, México, Central America, Colombia and Venezuela to Argentina, USA (TX-IN-FL)

**Cuba localities.**

**Collections.** Cambridge

*Limnichites* Casey 1889: 146

*L. rudis* Wooldridge 1977: 183

**Distribution.** Cuba, Hispaniola, Jamaica

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Cambridge (type)

#### SUBFAMILY THAUMASTODINAE

*Martinius* Spilman 1959: 118

*M. ripisaltator* Spilman 1966: 124

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Havana (t.l.), seashore. Adults and larvae may be in moist sand or debris at the high tide line

**Collections.** Washington (type)

#### REFERENCES

**Spilman, T. J.** 1966. A new species of *Martinius* from Cuba (Coleoptera: Limnichidae). *Coleop. Bull.* 20: 123-125.

**Wooldridge, D. P.** 1977. New World Limnichinae III. A revision of *Limnichites* Casey (Coleoptera: Limnichidae). *Great Lakes Ent.* 10: 179-189.

**Wooldridge, D. P.** 1978. New World Limnichinae IV. *Eulimnichus* Casey. A. Synonymies, lectotype designations, and redescription (Coleoptera: Limnichidae). *Great Lakes Ent.* 11: 163-173.

**Wooldridge, D. P.** 1979. New World Limnichidae IV. *Eulimnichus* Casey. B. Descriptions of new species (Coleoptera: Limnichidae). *Great Lakes Ent.* 12: 1-11.

**Wooldridge, D.P.** 1981. Three new species of *Throscinus* LeConte, with notes on other species (Coleoptera: Limnichidae, Cephalobyrrhinae). Coleop. Bull. 35: 217-221.

### 57. FAMILY HETERO CERIDAE

The variegated mud-loving beetles

Both adults and larvae construct tunnels in sand or mud at the edges of streams and ponds, where they feed on algae or diatoms (see Pacheco 1964).

#### SUBFAMILY HETERO CERINAE

##### TRIBE HETERO CERINI

#### *Filiolus* Pacheco 1964: 84 (endemic genus)

*F. guttatus* (Kiesenwetter) 1851: 294 (*Heterocerus*); Chevrolat 1864c: 407; Gundlach 1891: 52; Pacheco 1964: 84

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

#### *Neoheterocerus* Pacheco 1964: 54 (key to species)

*N. angustatus* (Chevrolat) 1864c: 407 (*Heterocerus*); Gundlach 1891: 52; Pacheco 1964: 62; Spangler 1981

**Distribution.** Cuba, Bahamas, Haiti, USA (IA-NY-FL)

**Cuba localities.** Ca: California. CA: Baraguá. M: Cárdenas

**Collections.** Gundlach no. 662

##### TRIBE TROPICINI

#### *Tropicus* Pacheco 1964: 102; see Bameul 1995

*T. bilineatus* (Chevrolat) 1864c: 407 (*Heterocerus*); Gundlach 1891: 53; Pacheco 1964: 122; Ivie and Stribling 1984: 948; Mascagni 1989: 189

**Distribution.** Cuba, Costa Rica

**Cuba localities.** PR: Soroa

**Collections.** Gundlach no. 688. Havana. Washington

*T. pusillus* (Say) 1823: 200 (*Heterocerus*); Pacheco 1964: 106; Spangler 1981

**Distribution.** Cuba, Jamaica, Antigua, México, Honduras, Costa Rica, Panamá, USA (CA-PA-FL), Canada (ON)

**Cuba localities.**

**Collections.**

#### INCERTAE SEDIS

#### *Heterocerus* Fabricius 1792: 262

*H. decimmaculatus* Chevrolat 1864c: 407; Gundlach 1891: 53; Pacheco 1964: 122 (the identity of this species is unknown)

**Distribution.** Cuba. Endemic?

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 710

#### REFERENCES

- Bameul, F.** 1995. Un nouveau *Tropicus* Pacheco de la Guadeloupe (Coleoptera, Heteroceridae). Bull. Soc. Ent. France 100: 475-480.
- Ivie, M. A. and J. B. Stribling.** 1984. Taxonomic and nomenclatorial notes on Caribbean *Tropicus* Pacheco (Coleoptera: Heteroceridae). Proc. Ent. Soc. Washington 86: 946-950.
- Mascagni, A.** 1989. *Tropicus alcornis* sp. n. dell'America meridionale. Boll. Soc. Ent. Ital. 120: 187-190.
- Pacheco, F.** 1964. Sistemática, filogenia y distribución de los Heteroceridos de America (Coleoptera: Heteroceridae). Monografías del Colegio de Post-Graduados: no. 1, Chapingo, México. Pp. 155.

### 58. FAMILY PSEPHENIDAE

The water penny beetles

Larvae feed on algae on submerged rocks in streams, and adults occur on vegetation at stream edges, or at lights.

#### SUBFAMILY PSEPHENINAE

#### *Pheneps* Darlington 1936: 67

*P. cubanus* Darlington 1936: 68; Spangler 1973: 357; 1981: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Rio El Manantiales. Ci: Soledad (t.l.). Gu: Rio Baracoa, at Tinta; Cabezades de Rio Judio. Other records in Spangler 1981: 167

**Collections.** Cambridge (type)

#### REFERENCES

- Spangler, P.J.** 1973. Aquatic Coleoptera collected on the biospeleological expeditions. Resultats des expeditions biospéologique Cubano-Roumaines à Cuba 1: 353-358.
- Spangler, P.J.** 1981. Supplement to the aquatic and semiaquatic Coleoptera of Cuba. Resultats des expeditions biospéologique Cubano-Roumaines à Cuba 3: 145-171.



**59. FAMILY CNEOGLOSSIDAE**

This family is known only from Central and South America. Larvae and habits are unknown.

**60. FAMILY PTILODACTYLIDAE**

The ptilodactylid beetles

Adults may occur on vegetation and are attracted to lights. Larvae occur in leaf litter, rotted logs, and debris at stream edges.

**SUBFAMILY PTILODACTYLINAE*****Ptilodactyla* Illiger 1807: 342**

*P. annulicornis* Chevrolat 1870: 71; Gundlach 1891: 249

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas.

**Collections.** Gundlach no. 619

*P. carbonaria* Chevrolat 1870: 72; Gundlach 1891: 250

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Santiago de Cuba

**Collections.** Gundlach no. 1877

*P. emarginata* Chevrolat 1870: 71; Gundlach 1891: 248

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1886

*P. militaris* Chevrolat 1870: 72; Gundlach 1891: 249

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Cojímar

**Collections.** Gundlach no. 1308

*P. ramicornis* Chevrolat 1870: 70; Gundlach 1891: 247

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1884

*P. simplex* Chevrolat 1870: 70; Gundlach 1891: 248

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1885

*P. turquinensis* Zayas 1988: 32

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

**61. FAMILY CHELONARIIDAE**

The turtle or chelonariid beetles

Little is known of the biology of adults or larvae of this family. The genus *Chelonarium* is abundant in the Neotropics, Asia, and Australia. They live in moist to dry litter or under bark, and some may live in the refuse heaps of ants.

***Chelonarium* Fabricius 1801: 101**

*C. convexum* Méquignon 1832: 246

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. costatipenne* Méquignon 1832: 244

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. maculatum* Méquignon 1834: 54

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. problematicum* Méquignon 1832: 244

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. punctatum* Fabricius 1801: 101; Jacquelin du Val 1856: 68; Chevrolat 1864: 618

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

*C. sublaeve* Méquignon 1833: 46

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**62. FAMILY EULICHADIDAE**

This family occurs in northern California, China, India, and southeast Asia. The larvae live in streams.

**63. FAMILY CALLIRHIPIDAE**

The family occurs in North, Central, and South America but seemingly not in the West Indies.

**SUPERFAMILY ELATEROIDEA****64. FAMILY ARTEMATOPODIDAE**

In the New World, this family occurs from North America, through México to South America. Larvae may feed on moss, lichens, or leaf litter. They are unknown in the Caribbean.

**65. FAMILY BRACHYPSECTRIDAE**

These beetles live under bark in arid western North America, India, and Malaysia. A larva has been found in Miocene amber in the Dominican Republic, so they might yet be found in the West Indies.

**66. FAMILY CEROPHYTIDAE**

This family is known from Europe, eastern North America, and Central and South America.

Adults come to lights, and can jump. Larvae may be in rotten wood. This family may occur in Cuba.

### 67. FAMILY EUCNEMIDAE

The false click beetles

The adults resemble Elateridae, the true click beetles. Larvae bore in dead wood and may feed on slime molds or fungal decay products (Muona 1993).

#### SUBFAMILY MELASINAE

##### TRIBE DIRHAGINI

#### *Adelothyreus* Chevrolat 1867: 593

*A. quadrimaculatus* Chevrolat 1867: 593; Gundlach 1891: 177

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Fermina

**Collections.** Gundlach no. 353

#### *Arrhipis* Bonvouloir 1871: 71

*A. cubanus* Fisher 1945: 88

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. insularis* Fisher 1945: 89

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. lanieri* (Guérin-Ménéville) in Chevrolat 1838: 279 (*Hylochaes*); Gundlach 1891: 178

*Hypocaelus lasnieri* Jacquelin du Val 1856: 65

*Hylochaes lanieri jacquelinii* Chevrolat 1867: 593

**Distribution.** Cuba, Puerto Rico, USA (FL)

**Cuba localities.** ? Cabo de Hacha. ? Guaban

**Collections.** Gundlach no. 545

#### *Microrhagus* Dejean 1833

*M. albofasciatus* (Fisher) 1945: 90 (*Dirhagis*)

**Distribution.** Cuba, Hispaniola.

**Cuba localities.** Gu: Baracoa. Ho: Felton (t.l.)

**Collections.** Washington (type)

*M. phyrrophopus* Chevrolat 1867: 592; Gundlach 1891: 176

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 960

#### SUBFAMILY EUCNEMINAE

##### TRIBE DENDROCHARINI

#### *Dendrocharis* Guérin-Ménéville 1843: 193

*D. bombycina* Guérin-Ménéville 1843: 193; Chevrolat 1867: 591; Gundlach 1891: 174

**Distribution.** Cuba, Colombia

**Cuba localities.** SC: Brazo de Cauto, west of Santiago

**Collections.** Gundlach no. 1852

#### SUBFAMILY MACRAULACINAE

##### TRIBE MACRAULACINI

#### *Dromaeolus* Kiessenwetter 1858: 197

*D. ischiodontoides* Chevrolat 1867: 592; Gundlach 1891: 177 (*Dromocolus*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1838

#### *Fornax* Laporte 1835: 167

*F. bicolor* Melsheimer 1846: 149

*Fabricius lurida* Chevrolat 1867: 591, not Dejean; Gundlach 1891: 175

**Distribution.** Cuba, eastern and central USA

**Cuba localities.** Gu: Yateras

**Collections.** Gundlach no. 101

*F. ebenina* Fleutieux 1897: 253

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*F. poeyi* Fisher 1945: 84

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*F. repulsa* Chevrolat 1867: 571; Gundlach 1891: 175

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Trinidad Mts

**Collections.** Gundlach no. 1432

##### TRIBE NEMATODINI

#### *Nematodes* Berthold 1827: 335

*N. exiguus* Fisher 1945: 92

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*N. rugicollis* Chevrolat 1867: 594; Gundlach 1891: 179

**Distribution.** Cuba, Brazil

**Cuba localities.** Gr: Bayamo; Braza del Cauto

**Collections.** Gundlach no. 1420

*N. simulans* Chevrolat 1867: 595; Gundlach 1891: 180

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1878

***Neomathion Fleutiaux 1830: 45***

*N. lepriouri* (Laporte) 1835: 174 (*Galba*); Gundlach 1891: 179 (*Nematodes*)

**Distribution.** Cuba, México to Peru and French Guiana

**Cuba localities.**

**Collections.** Gundlach no. 1867

## REFERENCE

**Muona, J.** 1993. Review of the phylogeny, classification and biology of the family Eucnemidae (Coleoptera). Ent. Scand. Suppl. 44: 1-113.

**68. FAMILY THROSCIDAE**

Larvae of this family may feed on rotted wood, or fungi or roots. *Drapetes* has been placed in this family but is listed here in Elateridae: Lissominae.

**69. FAMILY ELATERIDAE**

The click beetles

These are called "cocuyos" in Cuba. Adults are often collected on vegetation or at lights. Larvae occur in many habitats, including soil, litter, and rotten wood. They may be predators, phytophagous, or saprophagous. Some may be pests of agriculture (Vázquez *et al.* 1992).

**SUBFAMILY THYLACOSTERNINAE*****Thylacosternus Bonvouloir 1871: 76***

*T. maestralis* Zayas 1988: 38 (as *Tylacosternus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

**SUBFAMILY ELATERINAE****TRIBE ELATERINI*****Neotrichophorus Jacobson 1813: 741***

*N. havaniensis* (Candèze) 1863: 309 (*Ludius*); Chevrolat 1867: 613; Gundlach 1891: 202

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 500

**TRIBE MEGAPENTHINI*****Megapenthes Kiesenwetter 1858: 229***

*M. opacula* Candèze 1865: 29; Chevrolat 1867: 609; Gundlach 1891: 197

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 293

*M. sturmi* (Germar) 1844: 188 (*Aphanobius*); Chevrolat 1867: 609; Gundlach 1891: 196; Leng and Mutchler 1914: 428 (as *Crigmus*)

*Elater cribricollis* Sturm 1826: 136

**Distribution.** Cuba, Central America

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 62

*M. taeniata* Candèze 1865: 30; Chevrolat 1867: 609; Gundlach 1891: 197

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas. PR: Rangel

**Collections.** Gundlach no. 501

**TRIBE AGRIOTINI*****Drasterius Eschscholtz 1829: 33***

*D. elegans* (Fabricius) 1792: 230 (*Elater*); Chevrolat 1867: 606 (*Aeolus*); Gundlach 1891: 193.

*Cryptohypnus circumscriptus* Germar 1824: 46; Jacquelin du Val 1856: 75

**Distribution.** Cuba, Puerto Rico, USA

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 243

***Glyphonyx Candèze 1863: 448***

*G. fuscula* (Erichson) 1842: 119; Chevrolat 1867: 613; Gundlach 1891: 203

*Adrastus fusculus* Germar; Jacquelin du Val 1856: 75

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Gundlach no. 380

*G. gundlachi* Candèze 1863: 453; Chevrolat 1867: 613; Gundlach 1891: 203

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 300

*G. quadraticollis* Champion 1896: 536

**Distribution.** Cuba, Antigua, México to Costa Rico, USA

**Cuba localities.**

**Collections.**

*G. reticollis* (Say) 1823: 168; Chevrolat 1867: 614; Gundlach 1891: 203

**Distribution.** Cuba, México, USA (CT-FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 785

*G. scabriuscula* (Chevrolat) 1867: 614 (*Silesus*); Gundlach 1891: 204

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1847

*G. superba* Zayas 1988: 33

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra (t.l.)

**Collections.** Zayas (type)

#### TRIBE AMPEDINI

##### ***Anchastus* LeConte 1853: 459**

*A. rufescens* Candèze 1859: 404; Chevrolat 1867: 608; Gundlach 1891: 196

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 185

*A. rufiventris* Candèze 1859: 401; Chevrolat 1867: 608; Gundlach 1891: 195

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1846

##### ***Anoplischius* Candèze 1859: 9**

*A. cubitas* Zayas 1988: 36

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Sierra de Cubitas (t.l.)

**Collections.** Zayas (type)

*A. depressipennis* Candèze 1859: 69; Chevrolat 1867: 599; Gundlach 1891: 184

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 915

*A. dimidiatus* Zayas 1988: 36

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal (t.l.)

**Collections.** Zayas (type)

*A. pyronotus* Candèze 1859: 71; Chevrolat 1867: 599; Gundlach 1891: 184

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 482

*A. ruficeps* Candèze 1865: 23; Chevrolat 1867: 600; Gundlach 1891: 185

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1840

*A. sagraianus* (Jacquelin du Val) 1856: 69 (*Dicrepidius*); Gundlach 1891: 185

*A. lineipennis* Candèze 1859: 72

*A. sangraninus* Schenkling 1925: 80

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 63

*A. suturalis* Zayas 1988: 35

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*A. venustus* (Jacquelin du Val) 1857: 70 (*Dicrepidius*); Chevrolat 1867: 599; Gundlach

1891: 185

*A. seminiger* Candèze 1859: 71

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 482 (sic)

**Notes.** This species seems to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 689)

##### ***Blauta* LeConte 1853: 472**

*B. cribraria* (Germar) 1844: 307

*B. cauta* LeConte 1853: 473

**Distribution.** Cuba, USA (GA-FL)

**Cuba localities.** IJ: Nueva Gerona

**Collections.** Carnegie

##### ***Dicrepidius* Eschscholtz 1829: 31**

*D. ramicornis* (Palisot de Beauvois) 1805: 10 (*Elater*); Jacquelin du Val 1856: 69; Chevrolat 1867: 600; Gundlach 1891: 186

**Distribution.** Cuba, Guadeloupe, México, Nicaragua, Brazil, Argentina, USA (se, FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 493. Pittsburgh

##### ***Dipropus* Germar 1839**

*D. antennatus* (Candèze) 1859: 108 (*Ischiodontus*); Chevrolat 1867: 601; Gundlach 1891: 187

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.** Gundlach no. 1851

*D. simplex* (LeConte) 1853: 462 (*Ischiodontus*)

*I. oblitus* (Candèze) 1859: 101; Chevrolat 1867: 601; Gundlach 1891: 186

**Distribution.** Cuba, USA (TX)

**Cuba localities.**

**Collections.** Gundlach no. 1850

*D. striatus* (Candèze) 1859: 117 (*Ischiodontus*); Gundlach 1891: 187

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 193

#### SUBFAMILY CARDIOPHORINAE

##### ***Esthesopus* Eschscholtz 1829: 32**

*E. hepaticus* Erichson 1840: 336; Chevrolat 1867: 610; Gundlach 1891: 199

**Distribution.** Cuba, México to Panamá, Brazil, Argentina

**Cuba localities.** M: Zarabanda

**Collections.** Gundlach no. 1061

*E. humilis* Candèze 1860: 284

*E. murinus* Candèze 1860: 284



**Distribution.** Cuba, México to Panamá, Colombia, Brazil

**Cuba localities.**

**Collections.**

*E. poedicus* Candèze 1860: 270; Chevrolat 1867: 610; Gundlach 1891: 199

**Distribution.** Cuba, Guadeloupe

**Cuba localities.** Gu: Baracoa

**Collections.** Gundlach no. 1422

***Horistonotus* Candèze 1860: 104**

*H. asthenicus* Candèze 1860: 266; Chevrolat 1867: 610; Gundlach 1891: 198

*H. a. sallei* Fleutiaux 1911: 260

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 372

*H. badius* Candèze 1881: 84; Chevrolat 1867: 609; Gundlach 1891: 198

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*H. cruxnigra* Chevrolat 1867: 610; Gundlach 1891: 198

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Fermina

**Collections.** Gundlach no. 1845

**SUBFAMILY LISSOMINAE**

**TRIBE LISSOMINI**

***Drapetes* Redtenbacher 1849: 290**

*D. azurea* Jacquelin du Val 1856: 67; Chevrolat 1867: 590; Gundlach 1891: 174

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 198

*D. bicolor* Laporte 1835: 180; Chevrolat 1867: 589; Gundlach 1891: 173

*D. cyanipennis* Jacquelin du Val 1856: 67

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread.

**Collections.** Gundlach no. 197

*D. nigripennis* Jacquelin du Val 1856: 66; Chevrolat 1867: 588; Gundlach 1891: 172

**Distribution.** Cuba, México

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 331

*D. tunicata* Bonvouloir 1859: 43; Chevrolat 1867: 588; Gundlach 1891: 172

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Gundlach no. 384

**SUBFAMILY AGRYPNINAE**

**TRIBE AGRYPNINI**

***Adelocera* Latreille 1829: 451**

(*A. modesta* Boisduval 1832: 108)

**Distribution.** West Indies; cosmopolitan

**Cuba localities.**

**Collections.**

*A. subcostata* Candolle 1857: 69; Chevrolat 1867: 596; Gundlach 1891: 181

**Distribution.** Cuba, Antigua, Guadeloupe

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 499

***Meristhus* Candèze 1857: 19**

*M. scobinula* Candèze 1857: 164

*M. setarius* Chevrolat 1867: 596; Gundlach 1891: 181

**Distribution.** Cuba, México, Guatemala, Colombia, USA (?)

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1555

**TRIBE OOPHORINI**

***Aeolus* Eschscholtz 1829: 33**

*A. binotatus* Candèze 1859: 287; Chevrolat 1867: 606; Gundlach 1891: 194

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.** Gundlach no. 329

*A. discicollis* Candèze 1859: 303; Chevrolat 1867: 607; Gundlach 1891: 194

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*A. maculatus* DeGeer 1774: 163

*Elater angulatus* Fabricius 1801: 243; Chevrolat 1867: 607 (*Aeolus*); Gundlach 1891: 194

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.** Gundlach no. 1421

***Conoderus* Eschscholtz 1829: 31**

*C. bifoveatus* (Palisot de Beauvois) 1805: 78 (*Elater*); Chevrolat 1867: 603; Gundlach 1891: 190

*Monocrepidius lobatus* (Say), Jacquelin du Val 1856: 71

*M. lividus* Chevrolat 1867: 603

**Distribution.** Cuba, Hispaniola, Bahamas, Puerto Rico, Guadeloupe

**Cuba localities.** Widespread. The larvae are a pest of sugarcane (Vázquez et. al. 1992: 44)

**Collections.** Gundlach no. 275. Pittsburgh

- C. dorsalis* (Say) 1823: 167 (*Elater*); Chevrolat 1867: 605 (*Aeolus*); Gundlach 1891: 192  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 1677
- C. lividus* (DeGeer) 1774: 162 (*Elater*); Chevrolat 1867: 603 (*Monocrepidius*); Gundlach 1891: 189  
**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, Guadeloupe, México, USA (TX-IL-NC-FL)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 1902. Pittsburgh
- C. memorabilis* (Candèze) 1859: 249 (*Monocrepidius*); Chevrolat 1867: 605; Gundlach 1891: 191  
**Distribution.** Cuba, Puerto Rico, Martinique  
**Cuba localities.**  
**Collections.** Gundlach no. 798
- C. parallelus* Candèze 1859: 246  
**Distribution.** Cuba, México  
**Cuba localities.**  
**Collections.**
- C. pinguis* (Candèze) 1859: 207 (*Monocrepidius*); Chevrolat 1867: 602; Gundlach 1891: 189  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.**  
**Collections.** Gundlach no. 1839
- C. posticus* Eschscholtz 1822: 76  
*C. sticturus* (Candèze) 1859: 260 (*Monocrepidius*); Gundlach 1891: 192; Peck et al. 1998: 160  
**Distribution.** Cuba, Guadeloupe, México to Brazil  
**Cuba localities.** Widespread. Ha: in Cueva de los Murcielagos, larvae feeding in guano  
**Collections.** Gundlach no. 465
- (*C. rufidens* (Fabricius) 1801: 234)  
**Distribution.** Caribbean, USA (FL)  
**Cuba localities.**  
**Collections.**
- C. sericans* Candèze 1891: 71  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. sericatus* (Chevrolat): 1857; 604 (*Monocrepidius*); not Candèze 1859: 249; Gundlach 1891: 190  
**Distribution.** Cuba, Hispaniola.  
**Cuba localities.**  
**Collections.** Gundlach no. 1899
- C. sticticus* Erichson 1847: 78  
**Distribution.** Cuba, Hispaniola, Colombia to Peru  
**Cuba localities.**  
**Collections.**
- Heteroderes* Latreille 1834: 155**  
*H. amplicollis* (Gyllenhal) 1817: 41; Chevrolat 1867: 607; Gundlach 1891: 195  
**Distribution.** Cuba, Puerto Rico, Guadeloupe, Martinique, Dominica, South America, USA (CA-TX-AL-FL)  
**Cuba localities.**  
**Collections.**
- TRIBE PYROPHORINI
- Ignelater* Costa 1975: 105.**  
*I. brunneus* Costa 1980: 158  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: N. of Imias (t.l.); Loma del Gato  
**Collections.** Cambridge
- I. havaniensis* (Laporte) 1840: 236 (*Pyrophorus*); Jacquelin du Val 1856: 73; Chevrolat 1867: 612; Gundlach 1891: 201; Costa 1975: 106; 1980: 160  
**Distribution.** Cuba, Bahamas, Hispaniola, Mexico, Colombia, Trinidad and Tobago, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Cambridge. Gundlach no. 38. London. New York. Pittsburgh
- I. novae*. Fernandez and Lozada 1998: 58  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato (t.l.); Playa Juraguá; Sierra Maestra  
**Collections.** Havana (type and paratypes)
- I. paveli* Fernandez and Lozada 1998: 59  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Guantánamo (t.l.)  
**Collections.** Ramsden
- I. phosphoreus* (Linnaeus) 1758: 404 (*Elater*); Costa 1975: 106; 1980: 163  
*Pyrophorus longipennis* Schwarz 1906: 154 (Cayamas, t.l.); Leng and Mutchler 1914: 428  
*P. lynchiferus* Germar 1841: 32; Chevrolat 1867: 612; Gundlach 1891: 201  
*P. lynchnus* Candèze 1863: 26; Chevrolat 1867: 612; Gundlach 1891: 200  
**Distribution.** Cuba; Hispaniola, Puerto Rico, Virgin Islands  
**Cuba localities.** Gu: Baracoa. Ha: Los Indios. IJ: Nueva Gerona. M: Cárdenas  
**Collections.** Gundlach no. 1430 (*P. lynchnus*). Pittsburgh
- Pyrophorus* Illiger 1809: 141**  
*P. mellifluus* Costa 1972: 211; 1976: 147

**Distribution.** Cuba, Hispaniola, Martinique, St. Lucia, Trinidad, México, Guatemala, Panamá, Colombia

**Cuba localities.** Widespread

**Collections.** Cambridge. Paris. Pittsburgh. Washington

[*P. noctilucus* (Linnaeus) 1758: 404 (*Elater*); Jacquelin du Val 1856: 72; Chevrolat 1867: 611; Gundlach 1891: 200; Costa 1975: 113. Costa 1976: 148 shows the species does not occur in Cuba]

**Cuba localities.** Material under this name was reported from: IJ: Nueva Gerona. In caves in SC, SS, VC, Ha, PR where larvae occur in guano

**Collections.** Pittsburgh. Gundlach no. 22

*P. tuberculifer* Escholtz 1829: 32; Costa 1972: 203; 1975: 114; 1976: 146

*P. hesperus* Candèze 1863: 18; Chevrolat 1867: 611; Gundlach 1891: 200

**Distribution.** Cuba, Guadeloupe, México, Honduras, Brazil, Paraguay, Argentina

**Cuba localities.** IJ: Nueva Gerona. Cuba records need confirmation.

**Collections.** London. Pittsburgh

#### TRIBE HEMIRHIPINI

##### ***Alaus* Eschscholtz 1829: 33**

*A. patricius* (Jacquelin du Val) 1856: 73; Candèze 1857: 24 (*Calais*)

*Calais patricius* Jacquelin du Val 1857: 33; Chevrolat 1867: 597; Gundlach 1891: 182

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 473. Pittsburgh

*A. primarius* (Candèze) 1865: 18 (*Calais*); Gundlach 1891: 182

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras

**Collections.** Gundlach no. 1429

##### ***Hemirrhypus* Latreille 1829: 402**

*H. viduus* Chevrolat 1867: 598; Gundlach 1891: 183

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1844

##### ***Pherhimius* Fleutiaux 1942: 112**

*P. fascicularis* (Fabricius) 1787: 171; Chevrolat 1867: 598; Gundlach 1891: 183 (*Hemirrhypus*); Casari 1986: 402

**Distribution.** Cuba, Hispaniola, México to Argentina, USA (southeastern states)

**Cuba localities.** Ci: Cienfuegos. IJ: Nueva Gerona

**Collections.** Gundlach no. 1631. Pittsburgh

#### SUBFAMILY PROSTERNINAE

##### TRIBE ATHOINI

##### ***Hemicrepidius* Germar 1839: 212**

(*H. pictipes* Chevrolat 1843: 230)

**Distribution.** West Indies, México

**Cuba localities.**

**Collections.**

##### ***Platycrepidius* Candèze 1859: 165**

*P. cyanipennis* (Candèze) 1859: 167 (*Eudactylus*); Chevrolat 1867: 602; Gundlach 1891: 188

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cárdenas

**Collections.** Gundlach no. 289

*P. schaumii* (Candèze) 1859: 167 (*Eudactylus*); Chevrolat 1867: 602; Gundlach 1891: 188

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas; Guamutas

**Collections.** Gundlach no. 106

**Notes.** This species seems to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 689)

*P. trinitatis* Zayas 1988: 34

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Lomas de Trinidad, Altiplano de Buenos Aires (t.l.)

**Collections.** Zayas (type)

#### REFERENCES

- Casari, S.A.** 1986. Revision of *Pherimius* Fleutiaux, 1942, with establishment of *Saltamartinus*, new genus (Coleoptera, Elateridae, Pyrophorinae, Hemirhipini). Papéis Avulsos de Zoologia (São Paulo), 39: 379-403.
- Costa, C.** 1972. Genero *Pyrophorus*. 6. Redescricao de *P. tuberculifer* Eschscholtz, *P. phosphorescens* Castelnau e descricao de quatorze espécies novas (Col. Elateridae). Papéis Avulsos de Zoologia (São Paulo) 25: 199-227.
- Costa, C.** 1975. Systematics and evolution of the tribes Pyrophorini and Heligmini, with description of Campyloxeninae, new subfamily (Coleoptera, Elateridae). Arquivos de Zoologia (São Paulo) 26: 49-190.
- Costa, C.** 1980. Novas espécies dos géneros *Ignelater* e *Opselater* (Coleoptera, Elateridae,

Pyrophorinae). Papéis Avulsos de Zoologia (São Paulo) 33: 157-176.

**Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. Trans. R. Ent. Soc. London 87: 681-695.

**Fernandez Garcia, I and Lozada Piña, A.** 1998. Descripción de dos nuevas especies de *Ignelater* (Coleoptera: Elateridae; Pyrophorinae) de Cuba. Avicennia 8/9: 57-60.

**Vázquez, L.L., E. Valdés, and J.C. Amor.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.

#### 70. FAMILY PLASTOCERIDAE

This family occurs in Asia minor and south-east Asia.

#### 71. FAMILY DRILIDAE

This family occurs in southern Eurasia, Asia Minor, India, and Africa. The larvae are predators on snails.

#### 72. FAMILY OMALISIDAE

This family occurs in southern Europe.

#### 73. FAMILY LYCIDAE

The net-winged beetles

Adults are short lived and feed on pollen and nectar. They have bright warning coloration and are the base of mimicry complexes. Larvae occur under bark and in rotted wood and probably feed on slime molds or fungal products. Leng and Mutchler (1922) reviewed the fauna of the West Indies.

#### SUBFAMILY PLATERODINAE

##### *Plateros* Bourgeois 1879: XIX

*P. bilineatithorax* Pic 1925: 18

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### SUBFAMILY LYCINAE

##### TRIBE THONALMINI

##### *Thonalmus* Bourgeois 1883: 376

*T. amabilis* (Jacquelin du Val) 1856: 82 (*Calopteron*); Chevrolat 1870: 75; Gundlach 1891: 254; Leng and Mutchler 1922: 423; Mutchler 1923: 2; Wojciechowska and Slipinski 1985: 269

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 859. New York. Pittsburgh. Prague. Washington

*T. aulicus* (Jacquelin du Val) 1856: 77 (*Calopteron*); Chevrolat 1870: 76; Gundlach 1891: 254; Leng and Mutchler 1922: 424; Mutchler 1923: 2; Wojciechowska and Slipinski 1985: 268

*Calopteron distinguendum* Jacquelin du Val 1856: 80; Chevrolat 1870: 77

*Calopteron elegantulus* Jacquelin du Val 1856: 78; Chevrolat 1870: 76; Gundlach 1891: 255

*Calopteron nigrirtarse* Chevrolat 1870: 77; Gundlach 1891: 255

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 513 (*C. aulicus*); no. 926 (*C. elegantulum*); no. 277 (*C. nigrirtarse*); no. 922 (*C. distinguendum*). New York. Philadelphia. Pittsburgh. Prague. Washington

**Notes.** Darlington (1938) conducted experiments on the mimicry complex centered on *T. aulicus* and *T. suavis* at Soledad, the Atkins Biological Station, near Cienfuegos

*T. bicolor* (Linnaeus) 1763: 395 (*Cantharis*); Leng and Mutchler 1922: 419

*Calopteron bicolor* (Fabricius); Jacquelin du Val 1856: 77; Chevrolat 1870: 73

**Distribution.** Cuba, Jamaica, Hispaniola, Guadeloupe

**Cuba localities.**

**Collections.**

*T. mariani* Wojciechowska and Slipinski 1985: 266

*T. orientalis* Zayas 1988: 46 (type locality not given; Zayas, type); Ivie 1991: 400

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Piloto, Moa, Breña; Sierra Cristal. SC: Gran Piedra (t.l.)

**Collections.** Prague (type). Zayas

*T. suavis* (Jacquelin du Val) 1856: 80 (*Calopteron*); Chevrolat 1870: 75; Gundlach 1891: 254; Leng and Mutchler 1922: 423; Mutchler 1923: 2; Wojciechowska and Slipinski 1985: 265

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread, most abundant in spring

**Collections.** Gundlach no. 858. New York. Philadelphia. Washington

#### TRIBE CALOPTERINI

##### *Calopteron* Guérin-Ménéville 1830: 70



- C. albicollis* Chevrolat 1858: 209; 1870: 77;  
Gundlach 1891: 256  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Trinidad Mts  
**Collections.** Gundlach no. 1478
- C. semiflavum* Chevrolat 1870: 78; Gundlach 1891:  
256; Leng and Mutchler 1922: 329  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1260

**Mesopteron Bourgeois 1905: 123**

- M. pectinicornis* (Chevrolat) 1870: 74 (*Calopteron*)  
**Distribution.** Cuba, Guadeloupe  
**Cuba localities.**  
**Collections.**

**Metapteron Bourgeois 1905: 126**

- M. testaceipennis* Pic 1922: 26  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

**SUBFAMILY LEPTOLYCINAE**  
**TRIBE LEPTOLYCINI**

**Leptolycus Leng and Mutchler 1922: 430**

- L. parda* Zayas 1988: 47  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato (t.l.)  
**Collections.** Zayas (type)

REFERENCES

- Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. *Trans. R. Ent. Soc. London* 87: 681-696.
- Ivie, M.A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, *Entomofauna Cubana*. *Order Coleoptera. Coleop. Bull.* 45: 399-401.
- Leng, C.W., and A.J. Mutchler.** 1922. The Lycidae, Lampyridae, and Cantharidae of the West Indies. *Bull. Amer. Mus. Nat. Hist.* 46: 413-499.
- Wojciechowska, A. and S.A. Slipinski.** 1985. Notes on the *Thonalmus* Bourgeois (Coleoptera, Lycidae) of Cuba with description of a new species. *Polskie Pismo Ent.* 55: 265-270.

**74. FAMILY TELEGEUSIDAE**

The family is known from the southwestern US to Panamá, and northwestern South America. It might possibly occur in Cuba.

**75. FAMILY PHENGODIDAE**

The family occurs in North, Central, and South America and in the West Indies only in Hispaniola (*Acladocera* Wittmer). It should be expected in Cuba. The genus *Pseudophengodes* of South America has light organs on the male abdomen. Males often come to lights, and females and larvae are predators on millipeds and other litter arthropods.

**76 FAMILY LAMPYRIDAE**

The firefly beetles

Firefly adults often use light organs to produce mating signals. Larvae live in litter and soil and are predators on various invertebrates.

**SUBFAMILY LAMPYRINAE**  
**TRIBE LAMPROCERINI**

**Alecton Laporte 1833: 135**

- A. discoidealis* Laporte 1833: 135; Jacquelin du Val 1856: 83; Gundlach 1891: 253; Leng and Mutchler 1922: 433; Mutchler 1923: 3
- A. dorsalis* Lacodaire 1857: 320  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad. Ha: Santiago de las Vegas. M: Cárdenas; Delicias  
**Collections.** Gundlach no. 6. New York
- A. flavum* Leng and Mutchler 1922: 434; Mutchler 1923: 3  
**Distribution.** Cuba. Endemic  
**Cuba localities.** "Cuba" (t.l.). PR: TacoTaco  
**Collections.** Philadelphia (type). New York
- A. improvisus* Olivier 1909: 221; Leng and Mutchler 1922: 433  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana (t.l.). PR: Viñales  
**Collections.** New York (type)
- A. x-nigra* Zayas 1988: 48  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guanahacabibes (t.l.)  
**Collections.** Zayas (type)

TRIBE CRATOMORPHINI

**Aspisoma Laporte 1833: 127**

- A. ignita* Linnaeus 1767: 645  
**Distribution.** Cuba, Hispaniola, widespread Lesser Antilles, México to Venezuela, Trinidad  
**Cuba localities.**  
**Collections.**

## TRIBE PHOTINI

***Callophisma* Motschulsky 1853: 43**

**Notes.** Some species in this genus seem to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 689)

*C. adjuncta* E. Olivier 1899: 90 (*Lychnuris*); Leng and Mutchler 1922: 443; Mutchler 1923: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. SC: Sierra Maestra, Palma Mocha

**Collections.** Philadelphia. Washington

*C. bellicosa* (E. Olivier) 1899: 91 (*Lychnuris*); Leng and Mutchler 1922: 444; Mutchler 1923: 10

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Viñales; San Vicente

**Collections.** New York. Philadelphia

*C. demissa* (E. Olivier) 1899: 90 (*Lychnuris*); Leng and Mutchler 1922: 444

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Los Indios

**Collections.** Philadelphia. Pittsburgh. Washington

*C. flavilabris* (E. Olivier) 1899: 20 (*Lychnuris*); Leng and Mutchler 1922: 444

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Philadelphia

*C. fuscoterminalis* Mutchler 1923: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Taco Taco (t.l.)

**Collections.** New York (type)

*C. janthinipennis* (Jacquelin du Val) 1857: 83 (*Lychnuris*); Gundlach 1891: 251; Leng and Mutchler 1922: 445; Mutchler 1923: 10

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. Gr: Bayamo. Ha: Havana; Santiago de las Vegas

**Collections.** Gundlach no. 1518. New York. Washington

*C. maestra* Mutchler 1923: 8

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.); Sierra Maestra

**Collections.** New York (type)

*C. militaris* (E. Olivier) 1899: 91 (*Lychnuris*); Leng and Mutchler 1922: 445

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo

**Collections.** New York

*C. miniatocollis* (Chevrolat) 1858: 209 (*Lychnuris*)  
*Lucidota miniatocollis*, Leng and Mutchler 1922: 437; Mutchler 1923: 5

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Gr: Naguas. Gu: Guantánamo, Rio Seco. M: Cienaga de Zapata. PR: Taco Taco

**Collections.** New York

*C. monticola* Mutchler 1923: 8

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** New York (type)

*C. ramsdeni* Leng and Mutchler 1922: 442; Mutchler 1923: 10

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Belona (t.l.); Guantánamo. Gr: Naguas

**Collections.** New York (type). Philadelphia

*C. rufa* Olivier 1790: 28; Leng and Mutchler 1922: 441

*Lychnuris dimidiatipennis* Jacquelin du Val 1856: 84; Gundlach 1891: 251

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Thomas

**Cuba localities.** M: Cárdenas; Matanzas. Gu: Baracoa; Guantánamo. Ha: Havana

***Diphotus* Barber 1941: 12**

*D. glaucus* Olivier 1890: 13; Mutchler 1923; 1 (*Photinus*)

**Distribution.** Cuba, Jamaica?, Hispaniola

**Cuba localities.** SC: Sierra Maestra

**Collections.**

***Heterophotinus* E. Olivier 1894: 24**

*H. limbipennis* (Jacquelin du Val) 1856: 86 (*Photinus*); Gundlach 1891: 252; Leng and Mutchler 1922: 476; Mutchler 1923: 6

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 10. New York. Washington

***Lecontea* E. Olivier 1899: 37**

*L. gamma* (Jacquelin du Val) 1856: 85 (*Photinus*); Gundlach 1891: 251; Leng and Mutchler 1922: 454; Mutchler 1923: 13 (*Pyractomena*)

**Distribution.** Cuba, Jamaica

**Cuba localities.** Widespread

**Collections.** Gundlach no. 540. New York. Philadelphia. Pittsburgh  
*Lucidota* Laporte 1833: 136

*L. bruneri* Mutchler 1923: 6

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino, summit (t.l.)

**Collections.** New York (type)

- L. chevrolati* Mutchler 1923: 7  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra, 2000-3000 feet (t.l.)  
**Collections.** New York
- L. discoidalis* Laporte 1833: 144  
**Distribution.** Cuba, Brazil  
**Cuba localities.**  
**Collections.**
- L. fulvotinctus* Mutchler 1923: 4  
*L. fulvotinctus flavicollis* Mutchler 1923: 5 (Gu: Baracoa (t.l.), type in Washington)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)
- L. subdubitata* Mutchler 1923: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino, summit (t.l.)  
**Collections.** New York (type)
- Photinus Laporte 1833: 140**  
*P. albicollis* (Chevrolat) 1858: 209 (*Calopteron*); Gundlach 1891: 2565; Leng and Mutchler 1922: 480  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Trinidad Mts  
**Collections.** Philadelphia
- P. apoplecticus* E. Olivier 1899: 92; E. Olivier 1912: 28 (*Pygolampis*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. IJ: Los Indios; Nueva Gerona  
**Collections.** Philadelphia. Pittsburgh. Washington
- P. blandus* Motschoulsky 1854: 25; Leng and Mutchler 1922: 469 (uncertainty about the name)  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.**  
**Collections.**
- P. cubanus* Leng and Mutchler 1922: 463  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Nueva Gerona (t.l.)  
**Collections.** Philadelphia (type). Washington
- P. magnus* Mutchler 1923: 3  
*P. m. turquino* Mutchler 1923: 4  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra (t.l.)  
**Collections.** New York (type)
- P. nanus* (E. Olivier) 1912: 29 (*Pygolampis*); Leng and Mutchler 1922: 462  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas
- Collections.** Philadelphia. Washington
- P. nefarius* E. Olivier 1912: 25; Leng and Mutchler 1922: 471; Mutchler 1923: 5  
*P. blandus* Jacquelin du Val 1857: 87; Gundlach 1891: 252  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 223. New York. Philadelphia. Washington
- P. pygmaeus* E. Olivier 1899: 92; 1912: 29 (*Pygolampis*); Mutchler 1923: 2  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguëy. Ci: Cayamas; Soledad. Gr: Naguas. SC: Pico Turquino; Sierra Maestra  
**Collections.** New York. Washington
- P. singularis* Leng and Mutchler 1922: 477  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Maria de Loreto (t.l.)  
**Collections.** New York (type)
- P. sublateralis* Mutchler 1923: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** New York (type)
- P. vitiosus* Gemminger 1870: 120; Leng and Mutchler 1922: 477  
**Distribution.** Cuba, Jamaica, Hispaniola  
**Cuba localities.**  
**Collections.**

## SUBFAMILY PHOTURINAE

**Photuris LeConte 1851: 337**

- P. brunnipennis* Jacquelin du Val 1856: 89; Gundlach 1891: 253; Leng and Mutchler 1922: 482; Mutchler 1923: 7  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread. Ci: Cayamas. Gu: Baracoa; Guantánamo. Ha: Havana; PR: Cabañas; Taco Taco. SC: Santiago  
**Collections.** Gundlach no. 82. New York. Washington

## REFERENCES

- Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. Trans. R. Ent. Soc. London 87: 681-695.
- Mutchler, A.J.** 1923. Notes on West Indian Lycidae and Lampyridae (Coleoptera), with descriptions of new forms. Amer. Mus. Novitates 60: 1-13.

**77. FAMILY OMETHIDAE**

The family occurs in southeast Asia, Japan, and North America. Their habits are unknown.

**78. FAMILY CANTHARIDAE**

The soldier beetles

Adults are usually found on flowers, where they feed on nectar or pollen, but some may be predators. Larvae occur in soil or litter and are usually predators.

**SUBFAMILY CANTHERINAE*****Cantharis* Linnaeus 1758: 400**

*C. cubanus* Zayas 1988: 51

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Guamá, Cobre (t.l.)

**Collections.** Zayas (type)

**SUBFAMILY SILINAE****TRIBE SILINI*****Silis* Charpentier 1825: 194**

*S. apicalis* Zayas 1988: 52

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Sierra de Cubitas (t.l.)

**Collections.** Zayas (type)

*S. impressa* Pic 1916: 8 (*Hapalocrosilis*); Leng and Mutchler 1922: 492; Mutchler 1923: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo. PR: Viñales. SC: Pico Turquino

**Collections.** New York. Washington

*S. marginella* Jacquelin du Val 1856: 90; Gundlach 1891: 257; Leng and Mutchler 1922: 492; Mutchler 1923: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguëy. Ci: Cayamas; Soledad. PR: Rangel; Viñales

**Collections.** Gundlach no. 1262. New York. Philadelphia. Washington

**TRIBE TYTTHONYXINI*****Tytthonyx* LeConte 1851: 347**

**Notes.** Some species in this genus seem to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 689)

*T. bicolor* Zayas 1988: 54

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: La Havana. LV: Las Villas. Type locality not given

**Collections.** Zayas (type)

*T. camagueyanus* Zayas 1988: 53

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguëy (t.l.)

**Collections.** Zayas (type)

*T. cubanus* Leng and Mutchler 1922: 489

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** New York. Washington (type)

*T. darlington* Mutchler 1937: 2

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: SS: Buenos Aires (t.l.)

**Collections.** Cambridge (type). New York

*T. (Thinalmus) gracilis* Wittmer 1991: 117

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguëy. SS: Mayajigua (t.l.)

**Collections.** Basel (type). Washington

*T. insularis* Wittmer 1991: 123

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Felton. (t.l.)

**Collections.** Washington (type)

*T. maestralis* Zayas 1988: 53

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** Zayas (type)

*T. rubidus* Mutchler 1937: 4

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: SS: Buenos Aires (t.l.)

**Collections.** Cambridge (type). New York

*T. rutilis* Mutchler 1937: 2

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Cambridge (type)

**SUBFAMILY CHAULIOGNATHINAE****TRIBE ICHTHYURINI*****Belotus* Graham 1881: 99**

*B. antillarum* Leng and Mutchler 1922: 486

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** New York. Philadelphia. Washington (type)

*B. balloui* Mutchler 1923: 8

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra, Palma Mocha (t.l.)

**Collections.**

*B. cacumenum* Mutchler 1923: 7

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** New York (type)

*B. flavithorax* Zayas 1988: 49

**Distribution.** Cuba. Endemic



**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*B. minutus* Leng and Mutchler 1922: 486

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*B. turquinensis* Zayas 1988: 50

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

#### REFERENCES

- Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. *Trans. R. Ent. Soc. London* 87: 681-695.
- Wittmer, W.** 1991. Zur Kenntnis der Gattung *Tytthonyx* Le Conte, 1851 Subgenus *Thinalmus* Gorham 1881. *Coleop. Cantharidae*, subfamily Silinae, tribus Tytthonyxini. *Mitt. Schweiz Ent. Ges.* 64: 115-126.

#### SERIES BOSTRICHIFORMIA

##### 79. FAMILY JACOBSONIIDAE

This family is represented in the West Indies by *Derolathrus sharpi* Grouvelle from Guadeloupe, and this or another (probably introduced) species occurs in south Florida as well as one in northern Florida. The family is probably present in Cuba. The adults are so small they are often overlooked. Adults and larvae occur in litter or under bark.

#### SUPERFAMILY DERODONTOIDEA

##### 80. FAMILY DERODONTIDAE

This family is restricted to the temperate parts of the northern and southern hemispheres. They feed on fermenting areas under bark or on fungi.

#### SUPERFAMILY BOSTRICHODEA

##### 81. FAMILY NOSODENDRIDAE

The wounded-tree or nosodendrid beetles

These beetles occur in forested areas, and inhabit slime fluxes and tree wounds, and probably feed on fermentation products.

***Nosodendron* Latreille 1804: 146**

*N. punctatostriatum* Chevrolat 1864: 618; Gundlach 1891: 87

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.**

##### 82. FAMILY DERMESTIDAE

The skin and larder beetles

Adults and larvae feed on a variety of plant and animal materials, and often on stored products. Foods range from pollen and nectar, to dry animal carcasses, to household fabrics, and stored grains and cereals. An alternative higher classification is that of Mroczkowski (1968).

#### TRIBE DERMESTINI

***Dermestes* Linnaeus 1758: 354**

*D. ater* DeGeer 1774: 223. The black larder beetle  
*D. cadaverinus* Fabricius, Jacquelin du Val 1856: 101; Chevrolat 1864: 616; Gundlach 1891: 85

**Distribution.** Cuba, West Indies, México to Argentina, USA, cosmopolitan; widespread stored products pest in dried fish, cheese, etc.

**Cuba localities.** SC: Santiago

**Collections.**

*D. carnivorus* Fabricius 1775: 55; Jacquelin du Val 1856: 100; Chevrolat 1864: 615; Gundlach 1891: 84

**Distribution.** Cuba, West Indies, México to South America, USA; cosmopolitan

**Cuba localities.** Widespread; stored products pest

**Collections.**

(*D. frischii* Kugelann 1792: 478)

**Distribution.** Cuba?; a pest in dried fish

**Cuba localities.**

**Collections.**

(*D. lardarius* Linnaeus 1758: 354. The larder beetle)

**Distribution.** Cuba?; cosmopolitan; a pest of dried meat, fish, and cheese

**Cuba localities.**

**Collections.**

*D. maculatus* DeGeer 1774: 223. The hide beetle

*D. vulpinus* Fabricius, Chevrolat 1864: 615; Gundlach 1891: 84

**Distribution.** Cuba, West Indies, México to Argentina, USA; cosmopolitan. Pest of stored skins and hides

**Cuba localities.** SS: Trinidad

**Collections.**

*D. marmoratus* Say 1823: 197; Jacquelin du Val 1856: 101; Chevrolat 1864: 616; Gundlach 1891: 85

**Distribution.** Cuba, México, USA

**Cuba localities.** Widespread

**Collections.**

(*D. unicolor* Lepesme 1850: 44)

**Distribution.** Antilles, Baja California

**Cuba localities.**

**Collections.**

## TRIBE THORICTINI

***Thyodrias* Motschulsky 1839: 76**

(*T. contractus* Motschulsky 1839: 76). The odd beetle

**Distribution.** Cosmopolitan; in homes and museums, on animal skins; the females are wingless

**Cuba localities.**

**Collections.**

## TRIBE ATTAGENINI

***Attagenus* Latreille 1802: 121**

*A. fasciatus* (Thunberg) 1795: 105. The wardrobe beetle

**Distribution.** Cuba; nearly cosmopolitan; a stored products pest?

**Cuba localities.**

**Collections.**

*A. unicolor* (Brahm) 1791: 144. The black carpet beetle

*Atagenus megatoma* Fabricius, Chevrolat 1864: 616; Gundlach 1891: 86

**Distribution.** Cuba, México, Puerto Rico, USA, cosmopolitan; a stored products pest?

**Cuba localities.**

**Collections.**

## TRIBE ANTHRENINI

***Anthrenus* Fabricius 1775: 61**

(*A. verbasci* Linnaeus 1767: 568). The varied carpet beetle

**Distribution.** Cosmopolitan; in various dried stored products; see Beal 1998: 310

**Cuba localities.**

**Collections.**

***Orphinus* Motschulsky 1858: 48**

*O. fulvipes* (Guérin-Méneville) 1838: 138 (*Globulicornis*); Chevrolat 1864: 617 (*Trogoderma*); Gundlach 1891: 87

**Distribution.** Cuba, Puerto Rico, Guadeloupe, Brazil, USA (FL), cosmopolitan; introduced to Old World

**Cuba localities.**

**Collections.**

***Trogoderma* Latreille 1829: 511**

(*T. anthrenoides* (Sharp) 1902: 649.)

**Distribution.** West Indies, México to Panamá, Colombia, USA (TX, Hawaii)

**Cuba localities.**

**Collections.**

(*T. bicinctum* Reitter 1880: 38.)

**Distribution.** West Indies

**Cuba localities.**

**Collections.**

*T. insulare* Chevrolat 1864: 617; Gundlach 1891: 86

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Ha: Havana. M: Cárdenas

**Collections.**

*T. subfasciata* Chevrolat 1864: 617; Gundlach 1891: 87

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.**

## REFERENCES

**Beal, R. S., Jr.** 1998. Taxonomy and biology of Nearctic species of *Anthrenus* (Coleoptera: Dermestidae). *Trans. Amer. Ent. Soc.* 124: 271-332.

**Mroczkowski, Maciej.** 1968. Distribution of the Dermestidae (Coleoptera) of the world with a catalogue of all known species. *Annales Zoologicae (Polska Akademia Nauk)* 26(3): 15-191.

## 83. FAMILY BOSTRICHIDAE

The horned powder-post or bostrichid beetles

Adults and larvae of this family bore into wood or wood products and a few are pests of stored grains.

## SUBFAMILY POLYCAONINAE

***Heterarthron* Guérin 1844: 186.** The genus name *Melalgus* Dejean may apply to these species

*H. femoralis* Fabricius 1792: 361; Fisher 1950: 6

**Distribution.** Cuba, St. Croix, USA (TX)

**Cuba localities.**

**Collections.**

*H. gonagrum* (Fabricius) 1798: 156; Fisher 1950: 6

**Distribution.** Cuba, widespread in Greater and Lesser Antilles

**Cuba localities.**

**Collections.**

*H. plicatum* LeConte 1874: 65; Fisher 1950: 7

**Distribution.** Cuba, Jamaica, México, USA (TX)

**Cuba localities.**

**Collections.**

SUBFAMILY BOSTRICHINAE  
TRIBE APATINI

**Apate Fabricius 1775: 54***A. monacha* Fabricius 1775: 54*A. carmelita* Fabricius 1801: 379; Jacquelin du Val 1857: 239; Gundlach 1891: 99**Distribution.** Cuba (introduced), Puerto Rico, native to Africa**Cuba localities.****Collections.**

## TRIBE BOSTRICHINI

**Amphicerus LeConte 1861: 208***A. bicaudatus* (Say) 1824: 320; Fisher 1950: 67**Distribution.** Cuba, USA (IN-KS-FL)**Cuba localities.****Collections.***A. cornutus* Pallas 1772: 8; Fisher 1950: 69**Distribution.** Cuba, México to South America; boring in many tree species**Cuba localities.** IJ: unspecified (Bruner, 1951: 83)**Collections.***(A. hamatus* Fabricius 1787: 33; Fisher 1950: 68)**Distribution.** USA**Cuba localities.****Collections.****Heterobostrychus Lesne 1899: 443***H. aequalis* (Waterhouse) 1884: 215; Fisher 1950: 85**Distribution.** Cuba (introduced), probably tropicopolitan; USA (FL); a pest of wood structures and products**Cuba localities.** Ha: Marianao (only West Indian record, Bruner 1951: 83), not established?**Collections.****Micrapate Casey 1898: 66***M. fusca* Lesne 1801: 502**Distribution.** Cuba, Panamá**Cuba localities.****Collections.**

## TRIBE XYLOPERTHINI

**Dendrobiella Casey 1898: 67***D. sericea* Mulsant and Wachanru 1852: 14**Distribution.** Cuba, Jamaica, Hispaniola, Guatemala**Cuba localities.****Collections.****Tetrapriocera Horn 1878: 544***T. longicornis* (Olivier) 1795: 15; Fisher 1950: 102**Distribution.** Cuba, Isla de Pinos, Hispaniola, West Indies, México to Brazil, USA (FL); boring in wood of many trees, roots and wooden boxes**Cuba localities.****Collections.****Xylomeira Lesne 1801: 502***X. tridens* (Fabricius) 1792: 362 (*Apate*); Fisher 1950: 120*Tetrapriocera tridens* (Fabricius)**Distribution.** Cuba, widespread West Indies, México, USA (TX, FL); boring in several tree species**Cuba localities.** IJ: Los Indios**Collections.** Carnegie

## SUBFAMILY DINODERINAE

**Dinoderus Stephens 1830: 352***(D. bifoveolatus* (Wollaston) 1858: 409; Fisher 1950: 25)**Distribution.** Tropicopolitan; boring into many wood products**Cuba localities.****Collections.***D. minutus* (Fabricius) 1775: 54. (*Apate*); Fisher 1950: 30. The bamboo powerpost beetle**Distribution.** Cuba (introduced), widespread West Indies, Guatemala to Argentina, USA (FL, CA), native to Old World tropics; boring in bamboo and other woods, plus sugarcane, rattan, packing cases and stored products**Cuba localities.** Widespread (Bruner 1951: 83)**Collections.****Rhizopertha Stephens 1830: 354***R. dominica* Fabricius 1792: 359; Fisher 1950: 34**Distribution.** Cuba, Puerto Rico, México to Brazil, USA?; cosmopolitan in stored products**Cuba localities.****Collections.**

## SUBFAMILY LYCTINAE

## TRIBE LYCTINI

**Lyctus Fabricius 1792: 507***L. brunneus* Stephens 1830: 117. The brown powderpost beetle

**Distribution.** Cuba, West Indies, USA, cosmopolitan; in dry seeds and spices

**Cuba localities.**

**Collections.**

(*L. caribeanus* Lesne 1831: 96)

**Distribution.** West Indies, Central America

**Cuba localities.**

**Collections.**

*L. villosus* Lesne 1911: 537; Gerberg 1957: 29

**Distribution.** Cuba, Puerto Rico, Mexico, Central America, Surinam, USA (AZ, FL)

**Cuba localities.** Ha: Havana (in cedar furniture)

**Collections.** Washington

***Minthea* Pascoe 1866: 97**

*M. obstita* (Wollaston) 1867: 112 (*Lyctus*); Gerberg 1957: 31

**Distribution.** Cuba (introduced), Central America, USA; native to Africa

**Cuba localities.** Ha: Santiago de las Vegas

**Collections.** Washington

*M. rugicollis* Walker 1856: 206

**Distribution.** Cuba, Hispaniola, USA (FL?), intercept from Guantánamo, Cuba), cosmopolitan

**Cuba localities.** Gu: Guantánamo

**Collections.** Washington

TRIBE TROGOXYLONINI

***Trogoxylon* LeConte 1862: 209**

*T. aequale* (Wollaston) 1867: 111 (*Lyctus*); Gerberg 1957: 37

*T. curtulum* Casey 1891: 13

**Distribution.** Puerto Rico, Central America

**Cuba localities.** Ha: Havana (in *Bucida buceras* wood)

**Collections.**

REFERENCES

- Bruner, S.C.** 1951. Algunas adiciones a la lista de coleópteros de Cuba. Mem. Soc. Cubana Hist. Nat. Felipe Poey 20: 81-86.
- Fisher, W.S.** 1950. A revision of the North American species of beetles belonging to the family Bostrichidae. US Dept. Agric. Misc. Publ. 698. 157 pp.
- Gerberg, E. J.** 1957. A revision of the New World species of Powder-post beetles belonging to the family Lyctidae. US Dept. Agric. Tech. Bull. 1157. 65 pp., 14 plates.

**84. FAMILY ANOBIIDAE**

The death-watch and spider beetles

**SUBFAMILY PTININAE**

Reviewed by T. Keith Philips, July 2001

These beetles live in both moist and dry areas and feed on a variety of materials of plant and animal origin. Some are stored products pests.

TRIBE GIBBIINI

***Gibbium* Scopoli 1775: 505**

*G. aequinoctiale* Boieldieu 1854: LXXXIV

*G. chevrolati* Boieldieu 1854: LXXXV; Gundlach 1891: 116

**Distribution.** Cuba (introduced), USA (widespread), New and Old World; cosmopolitan

**Cuba localities.** Old Cuban records of cosmopolitan *G. psylloides* Czempinski 1778 are probably of this species

**Collections.** Gundlach no. 815

*G. cubense* Zayas 1988: 68

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Cuba (t.l.)

**Collections.** Zayas (type)

TRIBE PTININI

***Fabrasia* Martinez and Viana 1964: 8**

*Cubaptinus* Zayas 1988: 69

*F. cubana* (Zayas) 1988: 69 (*Cubaptinus*); Philips 1997: 52

**Distribution.** Cuba. Endemic

**Cuba localities.** None cited

**Collections.** Zayas (type)

***Pitnus* Gorham 1883: 197**

*P. huesanus* Fisher 1919: 295; Belles 1992: 178

**Distribution.** Cuba, Bahamas, USA (FL). Feeds on sea grape and sea lavender (*Ichthyomethia piscipula* and *Tournefortia gnaphalodes*); probably a leaf miner in the host plants (Philips et al. 1998)

**Cuba localities.** Gr: Cayo Manzanillo

**Collections.** Washington

***Ptinus* Linnaeus 1766: 537**

*P. niveicollis* Boieldieu 1856: 661

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

(*P. tectus* Boieldieu 1856: 652)

*P. ocellus* Brown 1929: 109



**Distribution.** West Indies (introduced) New and Old World, cosmopolitan  
**Cuba localities.**  
**Collections.**

## SUBFAMILY ANOBIINAE

The majority of these beetles feed in dead wood, but some attack seed pods and stored products. The classification used here is after White (1982).

## TRIBE GASTRALLINI

***Falsogastrallus* Pic 1914: 10**

*F. librinocens* (Fisher) 1938: 44 (*Neogastrallus*)  
**Distribution.** Cuba, USA (FL). Damages books  
**Cuba localities.** Ha: San Antonio de Las Vegas (Bruner 1951: 84)  
**Collections.**

## TRIBE NICOBINI

***Trichodesma* LeConte 1861: 204**

*T. grisacea* Zayas 1988: 71  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Playa Santa Lucía (t.l.)  
**Collections.** Zayas (type)  
*T. juragua* Zayas 1988: 72  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Juraguá, near Santiago (t.l.)  
**Collections.** Zayas (type)  
*T. orientalis* Zayas 1988: 70  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Florida Blanca (t.l?)  
**Collections.** Zayas (type)  
*T. teresae* Zayas 1988: 73  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz (t.l.)  
**Collections.** Zayas (type)

## TRIBE STEGOBIINI

***Stegobium* Motschulsky 1860: 154**

(*S. paniceum* (Linnaeus) 1758: 357). The drugstore beetle  
**Distribution.** Puerto Rico, Guadeloupe, Central America, se USA; cosmopolitan; a pest in a wide variety of stored organic materials  
**Cuba localities.**  
**Collections.**

## SUBFAMILY XYLETININAE

## TRIBE XYLETININI

***Xyletinus* Latreille 1809: 376**  
(*X. castaneus* Laporte 1840: 295)  
**Distribution.** West Indies  
**Cuba localities.**  
**Collections.**

## TRIBE LASIODERMINI

***Lasioderma* Stephens 1835: 417**

*L. serricorne* (Fabricius) 1792: 241. The cigarette beetle  
**Distribution.** Cuba, Puerto Rico, Grenada, México to Paraguay, USA; a pest of tobacco and a wide variety of dry organic materials  
**Cuba localities.**  
**Collections.**

***Megorama* Fall 1905: 206**

*M. cristalensis* Zayas 1988: 75  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)

## SUBFAMILY DORCATOMINAE

## TRIBE CALYMMADERINI

***Calymmaderus* Solier 1849: 472**

*C. bibliothecarum* (Poey) 1851: 228 (*Anobium*); Gundlach 1891: 115 (*Dorcatoma*)  
**Distribution.** Cuba, Puerto Rico, Guadeloupe  
**Cuba localities.** Ha: Havana; described from specimens infesting books in Poey's library  
**Collections.** Gundlach no. 79  
*C. testaceipes* Pic 1905: 92  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*C. whitei* Zayas 1988: 76  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Sierra Escambray, San Blas (t.l.)  
**Collections.** Zayas (type)

## TRIBE DORCATOMINI

***Caenocara* Thomson 1859: 90**

*C. sp.*; Genaro 1996: 9  
**Distribution.**  
**Cuba localities.** M: Macunayagua; phoretic on a female of the ground nesting bee *Anthophora atrata* Cresson  
**Collections.** Havana

## TRIBE PROTHECINI

***Protheca* LeConte 1865: 241***P. pilosa* Zayas 1988: 77**Distribution.** Cuba. Endemic**Cuba localities.** Type locality not given**Collections.** Zayas (type)

## TRIBEMESOCOELOPINI

***Mesocoelopus* Jacquelin du Val 1860: 143***M. rudepubens* Pic 1948: 13**Distribution.** Cuba. Endemic**Cuba localities.****Collections.**

## TRIBE TRICORYNINI

***Cryptorama* Fall 1965: 256***C. antillensis* White 1984: 85**Distribution.** Cuba, Virgin Islands?, Guadeloupe?**Cuba localities.** Ci: Cayamas. SS: Trinidad**Collections.** Washington*C. rufescens* White 1984: 117**Distribution.** Cuba, USA (FL)**Cuba localities.** Ci: Cayamas**Collections.** Washington***Tricorynus* Waterhouse 1849: 68***T. herbarius* (Gorham) 1883: 207 (*Catorama*)**Distribution.** Cuba, México, S USA (CA-FL-MA)**Cuba localities.** Ha: Almendares; Marianao. A stored products or household pest**Collections.***T. tabaci* (Guérin-Méneville) 1850: 437**Distribution.** Cuba, Guatemala, México, USA (FL); a stored products pest**Cuba localities.****Collections.**

## TRIBE INCERTAE SEDIS

***Neosothes* White 1967: 43***N. granulatus* White 1967: 48**Distribution.** Cuba. Endemic**Cuba localities.** SC: Caney; in mango (t.l.)**Collections.** Washington (type)

## REFERENCES

**Belles, X.** 1992. Sistemática, historia natural y biogeografía del género *Pitnus* Gorham, 1990 (Coleoptera, Ptinidae). *Eos* 68: 167-192.

**Genaro, J.A.** 1996. Foresis de *Caenocara* sp. (Coleoptera: Anobiidae) en *Anthophora atrata* (Hymenoptera: Anthophoridae). *Melissa* 9: 9.

**Philips, T.K.** 1997. *Cubaptinus* Zayas, a new synonym of *Fabrasia* Martínez and Viana (Coleoptera; Anobiidae, Ptininae). *Coleop. Bull.* 51: 52.

**Philips, T.K., M.A. Ivie, and L.L. Ivie.** 1998. Leaf mining and grazing in spider beetles (Coleoptera: Anobiidae: Ptininae): an unreported mode of larval and adult feeding in the Bostrichoidea. *Proc. Ent. Soc. Wash.* 100: 147-153.

**White, R.E.** 1982. A catalog of the Coleoptera of America north of Mexico. Family: Anobiidae. USDA Agric. Handbook 529-70.

**White, R.E.** 1984. A revision of the American genus *Cryptorama* (Coleoptera: Anobiidae). *Trans. Amer. Ent. Soc.* 110: 77-127.

**SERIES CUCUJIFORMIA  
SUPERFAMILY LYMEXYLOIDEA  
85. FAMILY LYMEXYLIDAE**

The ship-timber beetles

These beetles are unique in having reduced elytra and no transverse fold in the hind wing. The larvae bore in dead wood and are associated with ambrosia fungi.

**SUBFAMILY LYMEXYLINAE**

***Atractocerus* Palisot de Beauvois 1801: 3***A. braziliensis* Lepeltier and Audinet-Serville 1825: 309; Gundlach 1891: 115**Distribution.** Cuba, Jamaica, Puerto Rico, Lesser Antilles, México, Central and South America**Cuba localities.** M: Cárdenas**Collections.** Gundlach no. 840

**SUPERFAMILY CLEROIDEA  
86. FAMILY PHLOIOPHILIDAE**

This family occurs in Europe, and the larvae feed on the wood-rotting fungus *Phlebia*.

**87. FAMILY TROGOSSITIDAE**

The bark-gnawing beetles and cadelles

The species are often predators, and one is a stored products pest. The Peltinae often occur in bracket fungi. Keys are in Barron (1971).

**SUBFAMILY LOPHOCATERINAE**

***Lophocateres* Olliff 1883: 180**

(*L. pusillus* (Klug) 1832: 159; Barron 1971: 43)

**Distribution.** Panamá, Curaçao, USA (FL), cosmopolitan. A stored products pest

**Cuba localities.**

**Collections.**

#### SUBFAMILY TROGOSSITINAE

##### *Airora* Reitter 1876: 18

(*A. striatopunctata* Reitter 1876: 20)

**Distribution.** West Indies, Brazil

**Cuba localities.**

**Collections.**

##### *Calanthasoma* Reitter 1876: 10

(*C. flavomaculata* Reitter 1876: 11)

**Distribution.** West Indies

**Cuba localities.**

**Collections.**

##### *Temnoschila* Westwood 1830: 231; (= *Temnochila*

Erichson 1844: 449)

(*T. borrei* Reitter 1875: 37)

**Distribution.** West Indies, Colombia

**Cuba localities.**

**Collections.**

*T. elongata* Zayas 1988: 67

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*T. hubbardi* Léveillé 1889: 417; Barron 1971: 75

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.**

**Collections.**

(*T. insignis* Reitter 1875: 10)

**Distribution.** West Indies, Colombia

**Cuba localities.**

**Collections.**

##### *Tenebroides* Piller and Mitterpacher 1883: 87

(*T. bipustulata* Fabricius 1801: 152)

**Distribution.** West Indies, México to Argentina

**Cuba localities.**

**Collections.**

*T. elongatula* (Jacquelin du Val) 1857: 251 (*Trogosita*); Chevrolat 1864: 605; Gundlach 1891: 96

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.**

*T. flaviclavis* Reitter 1875: 78

**Distribution.** Cuba. Endemic

**Cuba localities.**

##### **Collections.**

*T. floridanus* Schaeffer 1918: 199; Barron 1971: 111

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe, México, Brazil, Surinam, Bahamas USA (FL, LA)

**Cuba localities.** Ci: Soledad. PR: Guanahacabibes

**Collections.** New York

*T. mauritanicus* (Linnaeus) 1758: 417; Jacquelin du Val 1857: 254; Chevrolat 1864: 606; Gundlach 1891: 97; Barron 1971: 93. The cadelle beetle

**Distribution.** Cuba (introduced), USA (FL), cosmopolitan; in flour, meal, and grains. An important stored products pest

**Cuba localities.** Ha: Havana

**Collections.**

*T. punctulata* Reitter 1875: 74

**Distribution.** Cuba, Puerto Rico, Guadeloupe

**Cuba localities.**

**Collections.**

*T. soror* (Jacquelin du Val) 1857: 252 (*Trogosita*); Chevrolat 1864: 604; Gundlach 1891: 95; Barron 1971: 101

**Distribution.** Cuba, Bahamas, USA (FL Keys)

**Cuba localities.** Ci: Soledad. M: Cárdenas

**Collections.** New York

*T. sulcifrons* (Jacquelin du Val) 1857: 253 (*Trogosita*); Chevrolat 1864: 606; Gundlach 1891: 96

**Distribution.** Cuba, México to Brazil

**Cuba localities.**

**Collections.**

*T. transversicollis* (Jacquelin du Val) 1857: 255 (*Trogosita*); Chevrolat 1864: 606; Gundlach 1891: 97

**Distribution.** Cuba, Puerto Rico, Guadeloupe

**Cuba localities.** Widespread

**Collections.**

#### REFERENCES

Barron, J. R. 1971. A revision of the Trogositidae of America north of México (Coleoptera: Cleroidea). Ent. Soc. Canada Mem. 75.

#### 88. FAMILY CHAETOSOMATIDAE

This family is limited to New Zealand, and the larvae live in the burrows of wood-inhabiting beetles.

#### 89. FAMILY CLERIDAE

The checkered beetles

Reviewed by Weston Opitz, August, 2002.

Adults of some species are predators on larvae of wood-boring beetles and others feed on pollen. Some feed on dead animal or plant matter.

#### SUBFAMILY THANOCLERINAE

##### *Thaneroclerus* Lefebvre 1838: 13

*T. buquet* (Lefebvre) 1835: 577 (*Clerus*)

**Distribution.** Cuba (introduced), Guadalupe, USA (intercept at ports), native to the Old World. These may occur in bracket fungi

**Cuba localities.**

**Collections.**

#### SUBFAMILY TILLINAE

##### *Monophylla* Spinola 1841: 75

*M. cinctipennis* (Chevrolat) 1874: 281

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

##### *Onychotillus* Chapin 1945: 596

*O. cubana* Zayas 1988: 57

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz. SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*O. dimidiata* Zayas 1988: 58

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Canasí (t.l.)

**Collections.** Zayas (type)

*O. minuta* Zayas 1988: 57

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras (t.l.)

**Collections.** Zayas (type)

*O. trinitatis* Zayas 1988: 56

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Lomas de Trinidad (t.l.)

**Collections.** Zayas (type)

#### SUBFAMILY CLERINAE

##### *Aulicus* Spinola 1841: 74

*A. alboguttulatus* Chevrolat 1874: 299

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*A. basicollis* Chevrolat 1874: 299

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*A. bilineatus* Chevrolat 1874: 300

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### SUBFAMILY HYDNOCERINAE

##### *Phyllobaenus* Dejean 1837: 127

*P. monticola* Zayas 1988: 62

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Lomas de Cajalbana (t.l.); found in leaf litter

**Collections.** Zayas (type)

#### SUBFAMILY EPIPHLOEINAE

##### *Epiphloeus* Spinola 1841: 75

*E. nebulosus* Chevrolat 1876: 28

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*E. quadristigma* Chevrolat 1874: 320

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

##### *Madoniella* Pic 1935: 10

*M. flavicollis* (Zayas) 1988: 61 (*Phlogistosternus*); Opitz 1997: 62

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz. SS: Trinidad. Type locality not given

**Collections.** Zayas (type)

*M. orientalis* (Zayas) 1988: 60 (*Phlogistosternus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra; Loma del Gato; Pico Turquino. Type locality not given

**Collections.** Zayas (type)

#### SUBFAMILY ENOPLIINAE

##### *Corinthiscus* Fairmaire and Germain 1861: 4

*C. axinoides* Walcott 1923: 3

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Rio Seco; San Carlos (t.l.)

**Collections.** New York (type)

##### *Neorthopleura* Barr 1976: 2

[*N. thoracica* (Say) 1823: 188]

**Distribution.** Not in Cuba, or México; wide-spread in USA)

*N. lepida* Klug 1842: 359

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. PR

**Collections.**

(*N. nesiotetes* Barr 1941: 359)



**Distribution.** Cayman Brac, Bahamas  
**Cuba localities.**  
**Collections.**

*N. zayasi* Barr 1976: 10

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua  
**Collections.**

***Pelonium* Spinola 1844: 341**

*P. piciventre* Chevrolat 1874: 325

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

#### SUBFAMILY KORYNETINAE

***Necrobia* Olivier 1795: 76**

*N. ruficollis* Fabricius 1775: 57; Jacquelin du Val 1856: 92 (*Corynetes*); Gundlach 1891: 244. The redshouldered ham beetle

**Distribution.** Cuba (introduced), West Indies, México to Argentina, cosmopolitan; in stored products

**Cuba localities.** Widespread  
**Collections.** Gundlach no. 544

*N. rufipes* DeGeer 1775: 165. The redlegged ham beetle

**Distribution.** Cuba (introduced), West Indies, México to Chile, USA (FL), cosmopolitan; found on dry animal carcasses

**Cuba localities.** Widespread  
**Collections.** Gundlach no. 339

(*N. violacea* (Linnaeus) 1758: 356)

**Distribution.** Cosmopolitan  
**Cuba localities.**  
**Collections.**

#### REFERENCES

**Barr, W.F.** 1976. Taxonomy of the new clerid genus *Neorthopleura* (Coleoptera). *Melandria* 24: 1-14.

**Opitz, W.** 1997. Classification, natural history, and evolution of the Epiphloeinae (Coleoptera: Cleridae). Part I. The genera of Epiphloeinae. *Insecta Mundi* 11: 51-96.

#### 90. FAMILY ACANTHOCNEMIDAE

This family naturally occurs in Australia, and has been introduced widely to other countries.

#### 91. FAMILY PHYCOSECIDAE

This family lives in coastal sands of Australia and New Zealand, and they scavenge on detritus or dead fish.

#### 92. FAMILY PRIONOCERIDAE

This family occurs in the southern Palearctic, Asia, and Africa.

#### 93. FAMILY MELYRIDAE

The soft-winged flower beetles

Reviewed by Douglas G. Le Doux, and Adriean Mayor, March, 1997

Adults occur on flowers and feed on pollen, spores or other insects. Both adults and larvae may be very substrate specific, occurring on coastal sand dunes, tidal flats, or on specific types of rock substrates such as sandstones, igneous, and calcareous rock outcrops. Larvae are predators and may occur in litter, soil, or under bark or rocks.

#### SUBFAMILY MALACHIINAE

##### TRIBE MALACHIINI

***Ablechrus* Waterhouse 1877: 79**

*A. cubanus* Wittmer 1984: 232

**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guane (t.l.); Pinar del Rio; Viñales  
**Collections.** New York (type); Basel

***Anthocomus* Erichson 1840: 97**

*A. dimidiatus* Erichson 1840: 111; Jacquelin du Val 1856: 91; Gundlach 1891: 250 (*Acanthocomus*)

**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas; Cienaga de Zapata  
**Collections.** Gundlach no. 458

***Attalomimus* Wittmer 1976: 290**

*A. purpureipennis* Wittmer 1976: 290

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Basel. Cambridge

***Attalus* Erichson 1840: 89**

*A. dimidiatus* Erichson 1840: 11; Fall 1917: 81

**Distribution.** Cuba, USA  
**Cuba localities.**  
**Collections.** Berlin? (type)

*A. nigra* Zayas 1988: 64

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Zayas (type)

*A. sp.* Zayas 1988: 63

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Zayas

**Malachius Fabricius 1775: 207***M. metallicus* Zayas 1988: 65**Distribution.** Cuba. Endemic**Cuba localities.** SC: Gran Piedra (t.l.)**Collections.** Zayas (type)*M. turquinensis* Zayas 1988: 66**Distribution.** Cuba. Endemic**Cuba localities.** SC: Pico Turquino (t.l.)**Collections.** Zayas (type)

## REFERENCES

- Wittmer, W.** 1976. Zur Kenntnis der Malachiidae der Antillen (Col.). (33 Beitrag zur Kenntnis der Neotropischen Malachiidae). Mitteilungen der Schweizerischen Entomologischen Gesellschaft 49: 281-291.
- Wittmer, W.** 1984. Über die Gattungen *Ablechrus* Waterhouse and *Tucumanus* Pic (Coleoptera: Malachiidae). Ent. Basiliensia 9: 226-243.

## SUPERFAMILY CUCUJOIDEA

## 94. FAMILY PROTOCUCUJIDAE

This family occurs only in Chile, Argentina, and Australia.

## 95. FAMILY SPHINDIDAE

The cryptic slime mold beetles

Adults and larvae feed on spores of slime molds.

## SUBFAMILY SPHINDINAE

**Carinisphindus McHugh 1990: 309***C. bicolor* (Fisher) (*Eurysphindus*) 1936: 201**Distribution.** Cuba. Endemic**Cuba localities.** CA: Baraguá (t.l.)**Collections.** Havana (Bruner). Washington (type)**Sphindus Chevrolat 1833: 8***S. cubensis* Reitter 1878: 202**Distribution.** Cuba. Endemic**Cuba localities.****Collections.**

## REFERENCES

- McHugh, J.V.** 1990. *Carinisphindus*, a new genus and three new species of Neotropical Sphindidae (Coleoptera: Clavicornia). Coleop. Bull. 44: 307-322.

## 96. FAMILY BRACHYPTERIDAE

This family occurs in most regions, including the United States, but not the Neotropics.

## 97. FAMILY NITIDULIDAE

The sap-feeding beetles

Reviewed and corrected by J. Jelinek, May 1995

Members of this family feed on a variety of materials, including decaying fruits, dried fruits, pollen, and leaf litter. Material mentioned below which was seen by Nicholas Evans (1977) is in Havana or Prague (J. Jelinek, pers. comm.).

## SUBFAMILY CILLAEINAE

**Colopterus Erichson 1842: 149** (the genus was revised in an unpublished thesis by L. Watrous, which may contain new information)

*C. amputatus* Erichson 1843: 243; Jacquelin du Val 1856: 94 (*Colastes*); Chevrolat 1864: 600; Gundlach 1891: 89

**Distribution.** Cuba, Bahamas, Puerto Rico, Guadeloupe, México to Argentina

**Cuba localities.** Widespread**Collections.***C. posticus* Erichson 1843: 237

**Distribution.** Cuba (Nicholas Evans 1977), Central America

**Cuba localities.****Collections.***C. truncatus* Randall 1838: 18

**Distribution.** Cuba, Puerto Rico to Grenada, México to Argentina, Canada (BC-PQ), USA (widespread)

**Cuba localities.****Collections.**

**Conotelus Erichson 1843: 249** (see key in Jelinek and Nicholas Evans 1982)

(*C. conicus* Fabricius 1801: 603; Jelinek and Nicholas Evans 1982: 234)

**Distribution.** Not in Cuba, but Puerto Rico, Hispaniola? Virgin Islands, Lesser Antilles, Mexico?

**Cuba localities.****Collections.**

*C. fuscipennis* Erichson 1843: 249; Jacquelin du Val 1856: 94; Chevrolat 1864: 600; Gundlach 1891: 90; Jelinek and Nicholas Evans 1982: 230

**Distribution.** Cuba, Bahamas, USA (FL and Keys)

**Cuba localities.** Widespread**Collections.** Berlin. Cambridge. Havana. Prague*C. zayasi* Jelinek and Nicholas Evans 1982: 231

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Gu: Yunque de Baracoa. SC: Sierra Maestra (t.l.). SS: Topes de Collantes

**Collections.** Havana (type). Prague

## SUBFAMILY CARPOPHILINAE

***Amphicrossus* Erichson 1843: 346;** key to US species in Parsons 1972

*A. ciliatus* (Olivier) 1811: 210

**Distribution.** Cuba, Panamá, Canada (ON), USA (widespread)

**Cuba localities.**

**Collections.**

***Carpophilus* Stephens 1829: 81**

*C. craigheadi* Dobson 1972: 145

**Distribution.** Cuba (Nicholas Evans 1977); USA (FL). On *Harrisia* cactus flowers

**Cuba localities.**

**Collections.**

*C. dimidiatus* (Fabricius) 1792: 261; Jacquelin du Val 1856: 96; Chevrolat 1864: 601; Gundlach 1891: 91. The corn sap beetle

**Distribution.** Cuba, Bahamas, Puerto Rico to Grenada, México to Argentina, Canada (PQ), USA (CA, TX-NY-FL); cosmopolitan

**Cuba localities.** IJ: Los Indios

**Collections.** Carnegie

**Note.** *C. dimidiatus* as listed in Coleopterorum Catalogus represents a complex of sibling species (e.g. *multilatus*, *fumatus*, *maculatus*, *vittiger*, etc.) and the true identity of many listed synonyms is uncertain without the revision of type species. We recommend accepting only the reliable synonymy given by Audisio (1993). See Williams *et al.* 1983

*C. floralis* Erichson 1843: 261

**Distribution.** Cuba (Nicholas Evans 1977), México, eastern USA (Parsons 1943)

**Cuba localities.**

**Collections.**

*C. freemani* Dobson 1956: 41

**Distribution.** Cuba (Nicholas Evans 1977); cosmopolitan

**Cuba localities.**

**Collections.**

*C. fumatus* Boheman 1851: 564

*C. ochropterus* Klug 1862: 209; Jacquelin du Val 1856: 96 (as *C. tempestivus*); Chevrolat 1864: 602; Gundlach 1891: 92; Nicholas Evans 1977

**Distribution.** Cuba (introduced); Africa, Portugal, Azores, Central America, Caribbean Islands (which?), USA (FL). Apparently of Afrotropical origin, and introduced into other countries

**Cuba localities.**

**Collections.**

*C. hemipterus* (Linnaeus) 1758: 358; Jacquelin du Val 1856: 95; Chevrolat 1864: 601; Gundlach 1891: 90. The dried fruit beetle

**Distribution.** Cuba, widespread West Indies, México to Argentina, USA, Old World

**Cuba localities.** Widespread

**Collections.**

*C. maculatus* Murray 1864: 372; Nicholas Evans 1977

**Distribution.** Cuba; Oriental Region, Pacific islands including Hawaii, Central America, West Indies (Connell 1977)

**Cuba localities.**

**Collections.**

*C. marginellus* Motschulsky 1858: 40; Nicholas Evans 1977

**Distribution.** Cuba; cosmopolitan

**Cuba localities.**

**Collections.**

*C. mutilatus* Erichson 1843: 258; Jacquelin du Val 1856: 96; Chevrolat 1864: 601; Gundlach 1891: 91

= *hemipterus* (Fabricius 1792): 261, not (Linnaeus 1758): 359; Nicholas Evans 1977.

**Distribution.** Cuba, USA (widespread); cosmopolitan

**Cuba localities.**

**Collections.**

*C. obsoletus* Erichson 1843: 259; Nicholas Evans 1977

**Distribution.** Cuba, USA (widespread); cosmopolitan

**Cuba localities.**

**Collections.**

*C. pilosellus* Motschulsky 1858: 41; Nicholas Evans 1977

**Distribution.** Cuba; cosmopolitan

**Cuba localities.**

**Collections.**

*C. tempestivus* Erichson 1843: 260; Jacquelin du Val 1856: 96; Chevrolat 1864: 601; Gundlach 1891: 9

**Distribution.** Cuba, Puerto Rico, USA (LA-AR-GA-FL)

**Cuba localities.** M: Cárdenas

**Collections.**

(*C. vitraci* Grouvelle 1902: 757)

**Distribution.** Cuba? (Nicholas Evans 1977), Guadeloupe (type not seen)

**Cuba localities.**

**Collections.**

***Epuraea* Erichson 1843: 267**

*E. (Haptoncus) luteola* Erichson 1843: 272; Jacquelin du Val 1856: 97; Chevrolat 1864: 602; Gundlach 1891: 92. The yellowbrown sap beetle

**Distribution.** Cuba, widespread West Indies, México, Central America, USA (TX-FL); cosmopolitan

**Cuba localities.** M: Cárdenas

**Collections.**

***Urophorus* Murray 1864: 342**

*U. humeralis* (Fabricius) 1798: 74

**Distribution.** Cuba (introduced) (Nicholas Evans 1977), Puerto Rico, Uruguay, Ceylon, Malaysia, China

**Cuba localities.**

**Collections.**

## SUBFAMILY NITIDULINAE

***Lobiopa* Erichson 1843: 291**

*L. insularis* Laporte 1840: 10

*L. decumana* Erichson 1843: 295; Jacquelin du Val 1856: 97; Chevrolat 1864: 602; Gundlach 1891: 93

**Distribution.** Cuba to Grenada, México to Argentina, USA (Gulf States)

**Cuba localities.** Widespread

**Collections.**

***Mystrops* Erichson 1843: 234 (see Gillogly 1955.**

**Rev. Bras. Ent. 3: 191-204)**

*M. insularis* Grouvelle 1898: 352

**Distribution.** Cuba (Nicholas Evans 1977), Martinique; in palm flowers

**Cuba localities.**

**Collections.**

***Omosita* Erichson 1843: 298**

*O. colon* (Linnaeus) 1758: 362

**Distribution.** Cuba (Nicholas Evans 1977) (introduced), North America; native to the Palearctic Region

**Cuba localities.**

**Collections.**

***Pallodes* Erichson 1843: 348**

*P. ruficollis* Reitter 1873: 134

**Distribution.** Cuba, Hispaniola (unpublished)

**Cuba localities.** IJ: Nueva Gerona

**Collections.** Carnegie

***Platychora* Erichson 1843: 284**

*P. lebasii* Erichson 1843: 285

**Distribution.** Cuba, México, Guatemala, Colombia

**Cuba localities.**

**Collections.**

***Prometopia* Erichson 1843: 279**

*P. cf. rauca* Sharp 1890: 316

**Distribution.** Cuba (unpublished), México, Central America (type not seen but the genus is in Cuba)

**Cuba localities.**

**Collections.**

***Pocadius* Erichson 1843: 318**

*P. brevis* Reitter 1873: 94

**Distribution.** Cuba. Endemic (maybe conspecific with *P. helvolus*?)

**Cuba localities.**

**Collections.**

**Notes.** Taxonomy of Cuban *Pocadius* is not clear. Jelinek did not see any material from Cuba. The data on the occurrence of *P. helvolus* in South America apparently refer to other species (Jelinek 1979). It occurs in México, eastern USA and Canada (Parsons 1943). According to that author the status of Cuban species is doubtful

*P. helvolus* Erichson 1843: 320

*P. ferrugineus* (L.) Chevrolat 1863b: 604; Gundlach 1891: 95

**Distribution.** Cuba, México to Argentina, USA

**Cuba localities.**

**Collections.**

***Stelidota* Erichson 1843: 300**

Taxonomy of Neotropical *Stelidota* is very confused and their revision is badly needed. Therefore it is difficult to give the exact distribution of particular species. Nevertheless, the list corresponds to the present knowledge. Bibliography: Weiss and Williams (1980)

*S. coenosa* Erichson 1843: 303; Jacquelin du Val 1856: 98; Chevrolat 1864: 604; Gundlach 1891: 95

**Distribution.** Cuba, South America

**Cuba localities.**

**Collections.**

(*S. ferruginea* Reitter 1873: 14)

**Distribution.** Cuba? (Nicholas Evans 1977), West Indies, Central America, South America, USA (AZ-MI-NJ-FL)

**Cuba localities.**

**Collections.**



*S. geminata* (Say) 1825: 181; Jacquelin du Val 1856: 98; Chevrolat 1864: 603; Gundlach 1891: 94. The strawberry sap beetle

**Distribution.** Cuba, Puerto Rico to Grenada, México to Brazil

**Cuba localities.** Widespread

**Collections.**

*S. ruderata* Erichson 1843: 303; Jacquelin du Val 1856: 99; Chevrolat 1864b; Gundlach 1891: 94.

**Distribution.** Cuba, Hispaniola, Puerto Rico to Guadeloupe

**Cuba localities.** Widespread

**Collections.**

***Teichostethus* Sharp 1891: 354**

*T. sp.* indet. Cuba (Nicholas Evans 1977; only a single unidentifiable specimen available)

**Distribution.**

**Cuba localities.**

**Collections.**

REFERENCES

- Audisio, P.** 1993. Coleoptera: Nitidulidae-Kateretidae. Fauna d'Italia, vol. 32, xvi + 971 pp. Ed. Calderini, Bologna.
- Connell, W.A.** 1977. A key to *Carpophilus* sap beetles associated with stored foods in the United States (Coleoptera: Nitidulidae). U.S. Dept. Agric. Coop. Plant Pest Rep. 2(23): 398-404.
- Jelinek, J.** 1975. New genus of Oriental Meligethinae with note on supergeneric classification of Nitidulidae (Coleoptera, Nitidulidae). Annot. Zool. Bot., Bratislava, no. 102: 1-9.
- Jelinek, J.** 1979. Revision of South American species of the genus *Procadus* Er. with description of new genus (Coleoptera, Nitidulidae). Acta Ent. Mus. Nat. Pragae 39 (1977): 29-44.
- Jelinek, J. and A.N. Evans.** 1982. Species of the genus *Conotelus* from the West Indies (Coleoptera, Nitidulidae). Acta Ent. Bohemoslovaca 79: 226-237.
- Nicholas Evans, A.** 1977. Nitidulidae of Cuba (Coleoptera). Entomological Institute, Czechoslovakia Academy of Sciences, Prague. Unpublished CSc thesis, J. Jelinek Supervisor. Specimens in Prague and Havana. Not seen.
- Parsons, C.T.** 1943. A revision of Nearctic Nitidulidae (Coleoptera). Bull. Mus. Comp. Zool. 92, no. 3: 121-278, 13 pls.
- Parsons, C.T.** 1972. On the mesosternum in some Nitidulidae (Coleoptera) with a key to the New World *Amphicrossus*. Coleop. Bull. 26: 103-115.
- Weiss, M. J. and Williams, R.N.** 1980. An annotated bibliography of the genus *Stelidota*

Erichson (Coleoptera: Nitidulidae, Nitidulinae). Ohio Agric. Res. and Development Center Res. Circular 255, Wooster, 37 pp.

**Williams, R.N., D.S. Fickle, M. Kehat, D. Blumberg and M.G. Klein.** 1983. Bibliography of the genus *Carpophilus* Stephens (Coleoptera: Nitidulidae). Ohio Agric. Res. and Dev. Center Res. Circular 278, Wooster, 95 pp.

**98. FAMILY SMICRIPIDAE**

The palmetto beetles

Adults and larvae occur in decaying flowers, leaf litter, and under bark.

***Smicrips* LeConte 1878: 399**

*S. palmicola* LeConte 1878: 399

*S. hypocoproides* Reitter 1876: 301

**Distribution.** Cuba, Puerto Rico, USA (FL). Found in association with flowers of *Sabal palmetto*.

**Cuba localities.**

**Collections.**

**99. FAMILY MONOTOMIDAE**

The root eating beetles

These beetles feed on the spores of fungi and in various kinds of decaying vegetation.

**SUBFAMILY MONOTOMINAE**  
**TRIBE MONOTOMINI**

***Monotoma* Herbst 1793: 22**

*M. sp.*

**Distribution.** Cuba

**Cuba localities.** SC: Gran Piedra

**Collections.** Gatineau

**TRIBE EUROPINI**

***Bactridium* LeConte 1861: 86**

*B. angulicolle* Reitter 1872: 33

**Distribution.** Cuba, Colombia?

**Cuba localities.**

**Collections.**

*B. cubensis* (Chevrolat) 1864b: 604 (*Rhizophagus*); Gundlach 1891: 98

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.**

*B. heydeni* Reitter 1872: 33

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**100. FAMILY BOGANIIDAE**

This family occurs in Australia, southern South America, and South Africa.

**101. FAMILY HELOTIDAE**

This family occurs in the warmer parts of the Old World from Africa to Japan. They feed on sap from tree wounds.

**102. FAMILY PHLOEOSTICHIDAE**

This family occurs in Europe, Australia, New Zealand and Chile. They occur with moss, or under bark..

**103. FAMILY SILVANIDAE**

The silvanid flat bark beetles

Reviewed by M. C. Thomas, October, 1998

This family commonly occurs under bark and in litter, where members feed on fungi. Some are pests of stored products.

**SUBFAMILY BRONTINAE****TRIBE PSAMMOECINI*****Cryptamorpha* Wollaston 1854: 156**

(*C. desjardinsii* (Guérin-Ménéville) 1829: 196 (*Psammoecus*); Thomas 1993: 13)

**Distribution.** St. Vincent, Grenada, USA (FL); cosmopolitan

**Cuba localities.**

**Collections.**

***Telephanus* Erichson 1846: 329**

*T. apicalis* Grouvelle 1877: 207

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*T. bipunctatus* Schaufuss 1876: 385

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*T. cubanus* Nevermann 1932: 28

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

*T. megacephalus* Nevermann 1932: 12

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

*T. pallidus* Reitter 1874: 523

**Distribution.** Cuba, Puerto Rico (not *T. pallidulus* Chevrolat 1863: 612, which occurs only in Puerto Rico)

**Cuba localities.**

**Collections.**

*T. quadripunctatus* Schaufuss 1876: 387

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**SUBFAMILY SILVANINAE*****Ahasverus* Gozis 1881: CXXVII**

*A. advena* (Waltl) 1832: 169 (*Cryptophagus*); Thomas 1993: 32. The foreign grain beetle

**Distribution.** Cuba (introduced), widespread Neotropics, USA (FL); cosmopolitan; on moldy stored products

**Cuba localities.**

**Collections.**

*A. rectus* (LeConte) 1854: 78 (*Silvanus*): Thomas 1993: 34

**Distribution.** Cuba, Puerto Rico, USA (AZ-MO-FL)

**Cuba localities.**

**Collections.**

***Cathartosilvanus* Grouvelle 1912: 340**

(*C. opaculus* (LeConte) 1854: 78; Thomas 1993: 28)

**Distribution.** Jamaica, Hispaniola, Virgin Islands, Grenada, Guadeloupe, St. Vincent, Trinidad, Central America south to Brazil and Bolivia, USA (FL, CA, AZ)

**Cuba localities.**

**Collections.**

***Cathartus* Reiche 1854: 77**

*C. quadricollis* (Guérin-Ménéville) 1829: 198 (*Silvanus*); Thomas 1993: 35. The squarenecked grain beetle

*C. cassiae* Reiche 1854: 78; Chevrolat 1864: 614; Gundlach 1891: 101

*Silvanus gemellatus* Jacquelin du Val 1857: 250; Chevrolat 1864: 614 (*Cathartus*)

**Distribution.** Cuba, widespread Neotropics, USA (FL); cosmopolitan

**Cuba localities.** Widespread

**Collections.**

***Monanus* Sharp 1879: 207**

*M. concinnulus* (Walker) 1858: 207 (*Monotoma*); Thomas 1993: 31

**Distribution.** Cuba, widespread Neotropics, USA (FL); cosmopolitan; stored products and moldy plant wastes

**Cuba localities.**

**Collections.**

***Nausibius* Lentz 1857: 75**

*N. clavicornis* (Kugelann) 1794: 511 (*Cucujus*);  
Thomas 1993: 26

*Corticaria dentatus* Marsham 1802: 108;  
Jacquelin du Val 1857: 250 (*Silvanus*);  
Chevrolat 1864: 613 (*Nausibius*); Gundlach  
1891: 101

**Distribution.** Cuba, widespread Neotropics;  
cosmopolitan

**Cuba localities.** Widespread

**Collections.**

***Oryzaephilus* Ganglbauer 1899: 45**

(*O. acuminatus* Halstead 1980: 309)

**Distribution.** USA (FL); cosmopolitan; in  
stored products

**Cuba localities.**

**Collections.**

(*O. mercator* Fauvel 1889: 132). The merchant  
grain beetle

**Distribution.** Cuba?; cosmopolitan; in stored  
products

**Cuba localities.**

**Collections.**

*O. surinamensis* (Linnaeus) 1758: 357; Chevrolat  
1864: 613 (*Silvanus*); Gundlach 1891: 100. The  
saw-toothed grain beetle

*O. s. affinis* Chevrolat (Leng and Mutchler 1914:  
416)

**Distribution.** Cuba (introduced), widespread  
Neotropics; cosmopolitan

**Cuba localities.**

**Collections.**

***Silvanopropus* Reitter 1911: 45**

(*S. scuticollis* (Walker) 1859: 53)

**Distribution.** USA (OK-WV-FL); cosmopoli-  
tan

**Cuba localities.**

**Collections.**

***Silvanus* Latreille 1804: 158**

(*S. sp.*; Thomas 1993: 23.)

**Distribution.** Cuba?; should be under bark  
of trees, also in stored products

**Cuba localities.**

**Collections.**

## REFERENCES

**Thomas, M.C.** 1993. The flat bark beetles of  
Florida (Coleoptera: Silvanidae, Passandridae,  
Laemophloeidae). *Arthropods of Florida*, Vol 15,  
93 pp.

**104. FAMILY PASSANDRIDAE**

The parasitic flat bark beetles

Members of this family are ectoparasitic on lar-  
vae of wood boring insects

***Catogenus* Westwood 1830: 221**

(*C. rufus* Fabricius 1798: 123)

**Distribution.** Cuba? The species occurs in  
south Florida and others are in the Caymans  
and Puerto Rico, so the genus should occur in  
Cuba (Slipinski 1989; Thomas 1993)

**Cuba localities.**

**Collections.**

***Passandra* Dalman 1818: 146**

*P. fasciata* Gray 1832: 93; Chevrolat 1864: 611;  
Gundlach 1891: 112; Slipinski 1986: 576

**Distribution.** Cuba, México to Argentina

**Cuba localities.** Widespread

**Collections.** Gundlach no. 5

***Taphroscelidia* Crotch 1873: 44**

*T. linearis* LeConte 1863: 70

**Distribution.** Cuba, Bahamas, México, Bra-  
zil, USA (CA-FL)

**Cuba localities.**

**Collections.**

## REFERENCES

**Slipinski, S.A.** 1986. A review of the Passandridae  
of the world (Coleoptera: Cucujoidea) I. Genus  
*Passandra* Dalman. *Ann. Mus. Civ. Storia Nat.*  
*Genova* 86: 553-603.

**Slipinski, S.A.** 1989. A review of the Passandridae  
of the world (Coleoptera: Cucujoidea) II. Genus  
*Catogenus* Westwood. *Polskie Pismo Ent.* 59:  
85-129.

**Thomas, M.C.** 1993. The flat bark beetles of  
Florida (Coleoptera: Silvanidae, Passandridae,  
Laemophloeidae). *Arthropods of Florida*, Vol 15,  
93 pp.

**105. CUCUJIDAE**

These commonly occur under bark and are fac-  
ultative predators. They do not occur in the Carib-  
bean.

**106. FAMILY LAEMOPHLOEIDAE**

The lined flat bark beetles

Members of this family occur under bark where  
they feed upon fungi, and some are pests of stored  
food products (Thomas 1993, 1991).

**Charaphloeus Casey 1916: 127***C. bituberculatus* (Reitter) 1876: 316**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, Virgin Islands, USA (FL)**Cuba localities.****Collections.****Cryptolestes Ganglbauer 1899: 608***C. bicolor* (Chevrolat) 1864b: 612 (*Laemophloeus*); Gundlach 1891: 112*Laemophloeus concavus* Reitter 1778: 192**Distribution.** Cuba. Endemic**Cuba localities.** M: Cárdenas**Collections.** Gundlach no. 396*C. pusillus* (Schönherr) 1817-55; Chevrolat 1864: 612; Gundlach 1891: 113**Distribution.** Cuba, widespread West Indies; cosmopolitan**Cuba localities.** M: Cárdenas**Collections.** Gundlach no. 397*(C. unicolornis* (Reitter) 1876: 45)**Distribution.** Greater and Lesser Antilles, México to Argentina, USA (se and FL)**Cuba localities.****Collections.****Laemophloeus Laporte 1840: 384***L. chevrolati* Grouvelle 1878: 264. (a synonym of *L. lecontei* Grouvelle?)**Distribution.** Cuba. Endemic**Cuba localities.****Collections.****Lathropus Erichson 1845: 307***(L. pictus* Schwarz 1878: 358)**Distribution.** Guadeloupe, México, Virgin Islands, USA (FL)**Cuba localities.****Collections.****Parandrita LeConte and Horn 1883: 133***P. permixtus* (Grouvelle) 1912: 303**Distribution.** Cuba, Virgin Islands, Guadeloupe, Panamá, USA (FL)**Cuba localities.****Collections.****Placonotus MacLeay 1871: 186***P. macrognathus* Thomas 1984: 12**Distribution.** Cuba, USA (FL Keys)**Cuba localities.****Collections.***P. modestus* (Say) 1827: 268**Distribution.** Cuba, Jamaica, Trinidad, México to Panamá, USA (AZ-NY-FL)**Cuba localities.****Collections.***(P. politissimus* (Wollaston) 1867: 268)**Distribution.** Greater and Lesser Antilles, México to Brazil, USA (FL), Africa**Cuba localities.****Collections.**

## REFERENCES

**Thomas, M.C.** 1993. The flat bark beetles of Florida (Coleoptera: Silvanidae, Passandridae, Laemophloeidae). *Arthropods of Florida*, Vol 15, 93 pp.**Thomas, M.C., and S.B. Peck.** 1991. Survey of insects of south Florida and the Florida Keys; Flat Bark Beetles (Coleoptera: Cucujidae (*sens. lat.*) {Laemophloeidae: Passandridae: Silvanidae}. *Florida Ent.* 74: 536-543.**107. FAMILY PROPAL TICIDAE**

This family is restricted to the Old World, from Africa to Australia, Japan, and Hawaii. They occur under bark of dead trees.

**108. FAMILY PHALACRIDAE**

The shining flower or shining mold beetles

Adults often occur with flowers or vegetation and larvae of some feed in flower heads of composites, while others feed on spores or ergots of various rusts, smuts and pyrenomycete fungi.

**Acylomus Sharp 1888: 256***A. cubensis* Casey 1916: 76*A. cubiensis* Leng and Mutchler 1914: 199**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Havana (t.l.)**Collections.** Washington (type)*A. detractus* Casey 1916: 75**Distribution.** Cuba. Endemic**Cuba localities.** PR: Bahia Honda (t.l.)**Collections.** Washington (type)*A. quadrispinosus* Casey 1916: 75**Distribution.** Cuba. Endemic**Cuba localities.** PR: Bahia Honda (t.l.)**Collections.** Washington (type)**Heterolitus Guillebeau 1893: 278***H. strigellus* Guillebeau 1894: 297**Distribution.** Cuba. Endemic**Cuba localities.****Collections.**



***Litolibrus* Sharp 1889: 258***L. princeps* Schwarz 1878: 361 (*Olibrus*)**Distribution.** Cuba, USA (FL)**Cuba localities.****Collections.*****Phalacrus* Paykull 1800: 438***P. flavangulus* Chevrolat 1863: 599**Distribution.** Cuba. Endemic**Cuba localities.****Collections.***P. politus* Melsheimer 1846: 102**Distribution.** Cuba, USA**Cuba localities.** IJ: Nueva Gerona**Collections.** Pittsburgh***Stilboides* Guillebeau 1894: 282***S. grouvellei* Guillebeau 1894: 307**Distribution.** Cuba, Brazil**Cuba localities.****Collections.*****Stilbus* Seidlitz 1872: 35***S. univestris* Guillebeau 1894: 309**Distribution.** Cuba. Endemic**Cuba localities.****Collections.*****Xanthocomus* Guillebeau 1893: 291***X. floralis* Guillebeau 1894: 306**Distribution.** Cuba. Endemic**Cuba localities.****Collections.****109. FAMILY HOBARTIIDAE**

This family occurs in Australia and South America.

**110. FAMILY CAVOGNATHIDAE**

This family occurs in Australia, New Zealand, and Chile.

**111. FAMILY CRYPTOPHAGIDAE**

The silken fungus beetles

This family generally feeds on molds and decaying vegetation. Some occur in animal nests and with stored products.

**SUBFAMILY CRYPTOPHAGINAE****TRIBE CRYPTOPHAGINI*****Cryptophagus* Herbst 1892: 172***C. acutangulus* Gyllenhal 1828: 285**Distribution.** Cuba, USA, Old World. A stored products pest**Cuba localities.****Collections.****112. FAMILY LAMINGTONIIDAE**

This family is restricted to central eastern Australia.

**113. FAMILY LANGURIIDAE**

The lizard beetles

The Cuban species probably occur in rotten vegetation. Leschen and Wegrzynowicz (1998) have reviewed the higher classification of the genera of the world.

**SUBFAMILY TORAMINAE*****Toramus* Grouvelle 1916: 26***T. acutus* Reitter 1875: 86**Distribution.** Cuba, USA**Cuba localities.****Collections.****SUBFAMILY XENOSCELINAE****TRIBE XENOSCELINI*****Hapalips* Reitter 1877: 122***H. filum* Reitter 1877: 124*H. tenuis* Reitter 1877: 124**Distribution.** Cuba, Grenada, México to Colombia**Cuba localities.****Collections.****TRIBE LOBERINI*****Loberus* LeConte 1861: 98***L. mutatus* Grouvelle 1916: 26*L. insularis* Casey 1900: 83**Distribution.** Cuba, Bahamas, Puerto Rico**Cuba localities.****Collections.***L. parvus* Bruce 1954: 173**Distribution.** Cuba. Endemic**Cuba localities.** PR: Pinar del Rio. LT: Hormigero (t.l.)**Collections.** Amsterdam**REFERENCES****Bruce, N.** 1954. Einige Coleoptera (Cryptophagidae) aus Ost- und Westindien und Südafrika im Zoologischen Museum, Amsterdam. Ent. Berichten 15: 172-175.

**Leschen, R. A.B. and P. Wegrzynowicz.** 1998.  
Generic catalogue and taxonomic states of  
Languriidae (Cucujoidea). *Annales Zoologici*  
(Warszawa) 48: 221-243.

#### 114. FAMILY EROTYLIDAE

The pleasing fungus beetles

Reviewed by Paul Skelley, February 1997

This family occurs almost exclusively on the  
fruiting bodies of higher fungi growing on rotted  
wood.

#### SUBFAMILY TRITOMINAE

##### ***Eptyus* Dejean 1837: 428**

*E. brunnipes* (Kuhnt) 1910: 231

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*E. cyaneus* (Duponchel) 1824: 31

*Oocyaneus violaceus* (Sturm) 1826: 82; Jacquelin  
du Val 1857: 322; Gundlach 1891: 127

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 284

*E. flavitarsis* (Lacordaire) 1842: 130; Jacquelin du  
Val 1857: 321 (*Ischyryus*); Gundlach 1891: 127

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 285

*E. gundlachi* (Zayas) 1988: 81 (*Oocyaneus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Type locality not given

**Collections.** Gundlach no. 1514 (type)

*E. tarsalis* (Lacordaire) 1842: 106 (*Oocyaneus*)

*O. tarsatus* Lacordaire 1842: 196; Gundlach 1891:  
127

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Gundlach no. 179

##### ***Ischyryus* Lacordaire 1842: 89**

*I. sapphirus* Skelley 1998: 58

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). Gu: Baracoa

**Collections.** Chicago. Cambridge (type).  
Washington

##### ***Tritoma* Fabricius 1775: 570**

[*T. pulchra* Say 1826: 301]

(*T. sellata* Kuhnt 1910: 247)

**Distribution.** Not Cuba, but widespread east-  
ern USA

#### REFERENCES

**Skelley, P. E.** 1998. Revision of the genus *Ischyryus*  
Lacordaire (1842) of North and Central America  
(Coleoptera; Erotylidae; Tritominae). *Occ. Pap.*  
Florida State Colln. Arthropods 8: 1-135.

#### 115. FAMILY BYTURIDAE

This family lives in North America, Eurasia,  
and the Greater Sunda Islands. Some eat fruits of  
*Rubus* and catkins of *Quercus*.

#### 116. FAMILY BIPHYLLIDAE

The false skin beetles

Some members of this family live under bark,  
and eat spores or fermentation products.

##### ***Anobocoelus* Sharp 1902: 625**

*A. costulatus* (Chevrolat) 1863: 615 (*Diplocoelus*);  
Gundlach 1891: 102

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### 117. FAMILY BOTHRIDERIDAE

The bothriderid beetles

The larvae of these beetles are fungal feeders  
or are ectoparasitic on the larvae of wood boring  
insects (Stephan 1989).

#### SUBFAMILY BOTHRIDERINAE

##### TRIBE BOTHRIDERINI

##### ***Bothrideres* Erichson 1845: 287**

*B. dentata* Chevrolat 1864: 609; Gundlach 1891:  
106; Slipinski et al. 1989: 176

**Distribution.** Cuba, St. Vincent

**Cuba localities.**

**Collections.** Gundlach no. 311. Paris  
(Grouvelle; Chevrolat)

*B. planus* Chevrolat 1864: 610; Gundlach 1891: 106;  
Slipinski et al. 1989: 178

**Distribution.** Cuba, Guadeloupe

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1105. Paris  
(Grouvelle)

##### ***Lithophorus* Sharp 1894: 487**

*L. gemmatus* (Reitter) 1877: 347 (*Prolyctus*);  
Slipinski et al. 1989: 143

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.** Berlin (Humboldt)

## TRIBE DERETAPHRINI

**Sosylus Erichson 1845: 287**

*S. costipennis* (Jacquelin du Val) 1856: 103 (*Nematidium*); Chevrolat 1864: 609; Gundlach 1891: 105

**Distribution.** Cuba, Grenada

**Cuba localities.** Widespread

**Collections.** Gundlach no. 537

## REFERENCES

- Slipinski, S.A., R.D. Pope, and R.J.W. Aldridge.** 1989. A review of the world Bothriderini (Coleoptera: Bothrideridae). *Polskie Pismo Ent.* 59: 131-202.
- Stephan, K.S.** 1989. The Bothrideridae and Colydiidae of America north of México (Coleoptera, Clavicornia and Heteromera). *Occ. Pap. Fla. St. Colln. Arthrop.* 6: 1-65.

**118. FAMILY CERYLONIDAE**

The minute bark beetles

These beetles are usually found in leaf litter and rotten wood, where they probably feed on fungi. Some occur in bat guano in West Indian caves.

**SUBFAMILY EUXESTINAE****Euxestus Wollaston 1858: 411**

*E. erithacus* (Chevrolat) 1864b: 599 (*Olibrus*); Peck et al. 1998: 160

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Guadeloupe, Grenada, México, Guatemala, USA (FL), Surinam, Old World

**Cuba localities.** SC: Cueva Atabex, in bat guano

**Collections.** Gatineau

**SUBFAMILY CERYLONINAE****Cerylon Latreille 1802: 228**

*C. amaroides* Chevrolat 1864: 610; Gundlach 1891: 107 (*Cerilon*)

**Distribution.** Cuba, Grenada

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 660

**Myhocerus Erichson 1845: 2192. Casey 1890: 317**

*M. cubanus* (Hinton) 1936: 18. (*Lapethus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

**Philothermus Aubé 1843: 93**

*P. parmulus* (Chevrolat) 1864b: 600 (*Discoloma*); Gundlach 1891: 108

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 628

*P. puberulus* Schwarz 1878: 361; Lawrence and Stephan 1975: 153

**Distribution.** Cuba, Puerto Rico, Hispaniola, se USA; probably not México, Central America

**Cuba localities.**

**Collections.** Cambridge

**Tyrtaeus Champion 1913: 76**

*T. rufus* Champion 1913: 17

**Distribution.** Cuba, Guatemala

**Cuba localities.**

**Collections.**

## REFERENCES

- Lawrence, J.F. and K. Stephan.** 1975. The North American Cerylonidae (Coleoptera: Clavicornia). *Psyche* 82: 131-166.

**119. FAMILY ALEXIIDAE**

This family occurs only in Eurasia.

**120. FAMILY DISCOLOMATIDAE**

The discolomatid beetles

These beetles usually occur under bark, and some may feed on fungi.

**SUBFAMILY DISCOLOMATINAE****Discoloma Erichson 1845: 242**

*D. cubanum* John 1947: 97

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Eberswalde (type). Hamburg

*D. parvulum* Pascoe 1863: 99; John 1947: 90

*D. erichsoni* Reitter 1877: 176

*D. circulare* (Chevrolat) 1863: 603 (*Thyreosoma*); Gundlach 1891: 93; John 1944: 100; not Cuba; but Costa Rica and Panamá

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Berlin. Dresden (type). Gundlach no. 315. Hamburg

## REFERENCES

- John, H.** 1944. Revision der Gattung *Discoloma*. *Arb. Morphol. Taxon. Ent. Berlin-Dahlem* 11: 81-108.

**121. FAMILY ENDOMYCHIDAE**

The handsome fungus beetles

This family occurs in North, Central, and South America. The only previously published West Indian records seem to be from the Lesser Antilles. Most species seem to feed on the spores and soft tissues of fungi. They may be collected on and under bark or in leaf litter, and may graze on bark surfaces. Some are stored product pests.

**SUBFAMILY EUPSILOBIINAE*****Eidoreus* Sharp 1885: 146**

(*E. politus* Casey 1895: 454 (*Eupsilobius*))

**Distribution.** Guadeloupe, USA (FL; known from Keys)

**Cuba localities.**

**Collections.**

## REFERENCES

**Pakaluk, J. and S.A. Slipinski.** 1990. Review of Eupsilobiinae (Coleoptera, Endomychidae) with descriptions of new genera and species from South America. *Rev. Suisse Zool.* 97: 705-728.

**122. FAMILY COCCINELLIDAE**

The lady beetles

Reviewed by R. Gordon and N. Vandenberg,  
November 1994

Most species are predators as adults and larvae. The most common prey are aphids, mealybugs, and scale insects. Some Epilachninae feed on leaves of solanaceous or cucurbitaceous plants, and Psylloborini are mildew feeders. An important early reference on the Cuban fauna is Dimmock (1906). Fernandez Garcia (1998) lists species in sugar cane fields.

**SUBFAMILY STICHOLOTIDINAE****TRIBE SERANGIINI*****Catana* Chapin 1940: 266**

*C. clauseni* Chapin 1940: 267

**Distribution.** Cuba (introduced in 1930), Bahamas?, Sumatra, Malaya

**Cuba localities.** Ha: Santiago de las Vegas; Caimito

**Collections.** Havana. Washington

***Delphastus* Casey 1899: 111**

*D. pallidus* (LeConte) 1878: 400; Chapin 1940: 266

**Distribution.** Cuba, USA (FL)

**Cuba localities.** On citrus at an unspecified location; Bruner 1951: 84

**Collections.** Havana?

*D. pusillus* (LeConte) 1852: 135

**Distribution.** Cuba, USA (MA-FL-west to CA)

**Cuba localities.** Ha: Santiago de Las Vegas, attacking Aleyrodidae (Bruner 1951: 84)

**Collections.** Havana?

**TRIBE STICHOLOTIDINI*****Neaptera* Gordon 1991: 309**

*N. cubensis* Gordon 1994b: 237

**Distribution.** Cuba. Endemic

**Cuba localities.** Locality not specified

**Collections.** Washington (type)

***Nelasa* Gordon 1991: 299**

*N. cubensis* Gordon 1991: 303

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Bahia Honda (t.l.)

**Collections.** Washington (type)

*N. schwarzi* Gordon 1991: 303

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

***Neotina* Gordon 1977: 213.** Endemic genus

*N. cariba* Gordon 1977: 213; 1994b: 236

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa (t.l.)

**Collections.** Washington (type)

*N. schwarzi* Gordon 1994b: 236

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

**SUBFAMILY SCYMNINAE****TRIBE SCYMNILLINI*****Zilus* Mulsant 1850: 958**

*Z. bruneri* (Chapin) 1930: 490 (*Scymnillodes*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de las Vegas (t.l.)

**Collections.** Washington (type)

*Z. caseyi* (Chapin) 1930: 492 (*Scymnillodes*). In Dimmock (1906) as *Bura* sp.

*Delphastus violaceus* Casey 1924: 170, not Sicard 1922

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Ci: Cayamas (t.l.); Simpatia. ? Cabada

**Collections.** Washington (type)



*Z. eleutherae* (Casey) 1899: 115 (*Scymnillus*)  
**Distribution.** Cuba, Bahamas, USA (FL)  
**Cuba localities.** Ha: Havana  
**Collections.**

*Z. iris* (Chapin) 1930: 491 (*Scymnillodes*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana (t.l.)  
**Collections.** Washington (type)

*Z. splendidus* (Chapin) 1930: 491 (*Scymnillodes*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread. CA: Baraguá (t.l.)  
**Collections.** Havana. London. Washington (type)

#### TRIBE STETHORINI

##### *Stethorus* Weise 1885: 65

*S. utilis* Horn 1895: 107  
**Distribution.** Cuba; widely distributed in Caribbean, southern US  
**Cuba localities.**  
**Collections.**

#### TRIBE SCYMNINI

##### *Decadiomus* Chapin 1933: 96

*D. bahamicus* (Casey) 1899: 159; Chapin 1933: 97; Bruner 1951: 84  
**Distribution.** Cuba, Bahamas, Bermuda, USA (FL)  
**Cuba localities.** Ci: Cayamas. Ha: San Antonio de los Baños; Santiago de Las Vegas  
**Collections.** Havana. Washington

*D. peltatus* (Chapin) 1933: 99  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Santiago de las Vegas (t.l.)  
**Collections.** Havana. Washington (type)

##### *Diomus* Mulsant 1850: 95

*D. ochroderus* (Mulsant) 1850: 951  
**Distribution.** Cuba, Puerto Rico, Lesser Antilles  
**Cuba localities.**  
**Collections.**

*D. roseicollis* (Mulsant) 1853: 270  
**Distribution.** Cuba, Puerto Rico, Lesser Antilles, USA (FL)  
**Cuba localities.** Ha. IJ: Nueva Gerona. M  
**Collections.** Pittsburgh

##### *Scymnus* Kugelann 1894: 545

*S. distinctus* Casey 1924: 176

*Diomus bruneri* Chapin 1930: 494. Ci: Cayamas (t.l.). Washington (type). Havana. London  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.**

#### TRIBE HYPERASPIDINI

##### *Hyperaspis* Redtenbacher 1844: 8

*H. apicalis* Weise 1885: 167  
*H. festivus apicalis* Weise  
**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.** Or: Jobabo (Bruner 1951: 85)  
**Collections.**

##### *Thalassa* Mulsant 1850: 506

*T. flaviceps* Mulsant 1850: 513; Jacquelin du Val 1857: 326  
*T. prasina* Mulsant 1850: 516; Gundlach 1891: 403  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 290. Havana  
*T. pentaspilota* Chevrolat 1835: 124  
*T. pentastigma* Mulsant 1850: 512  
*T. prasina* Mulsant, Jacquelin du Val 1857: 327; Gundlach 1891: 403  
**Distribution.** Cuba, México, Guatemala  
**Cuba localities.**  
**Collections.** Gundlach no. 290

#### TRIBE BRACHIACANTHINI

##### *Brachiacantha* Dejean 1837: 458

*B. decora* Casey 1899: 119  
*B. bistrispustulata* Fabricius (in Bruner 1951: 84)  
**Distribution.** Cuba, Jamaica, widespread to Brazil, USA (AZ-FL)  
**Cuba localities.** PR: Sierra Rangel. SC: Santiago de Cuba  
**Collections.**

#### SUBFAMILY CHILOCORINAE

##### TRIBE CHILOCORINI

##### *Arawana* Leng 1908: 34.

*A. cubensis* (Dimmock) 1906: 322 (*Exochromus*); Gordon 1994c: 133  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

##### *Chilocorus* Leach 1815: 116

*C. cacti* Linnaeus 1767: 584

**Distribution.** Cuba, México to South America  
**Cuba localities.** Ha: Havana  
**Collections.**

***Cladis* Mulsant 1850: 1033**

*C. nitidula* Fabricius 1792: 286

*Exochomus uva* Mulsant 1850: 479; Jacquelin du Val 1857: 326

**Distribution.** Cuba, Lesser Antilles  
**Cuba localities.** Ha: Havana  
**Collections.**

***Curinus* Mulsant 1850: 472**

*C. peleus* Mulsant 1853: 191

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

***Egius* Mulsant 1850: 452**

*E. platycephalus* Mulsant 1850: 464; Jacquelin du Val 1857: 325; Gundlach 1891: 402

**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 964

***Exochomus* Redtenbacher 1843: 11**

*E. marginipennis* (LeConte) 1824: 173

**Distribution.** Cuba, USA (NY-FL-TX- KS)  
**Cuba localities.** Ha: Santiago de Las Vegas; Víbora (Bruner 1951: 85)  
**Collections.**

SUBFAMILY COCCIDULINAE

TRIBE COCCIDULINI

(Key to genera in Gordon 1994a)

***Botynella* Weise 1891: 286**

*B. quadripunctata* Weise 1891: 287; Gordon 1994a: 223

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

*B. quinquepunctata* Weise 1891: 287; Gordon 1994a: 223

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

***Bura* Mulsant 1850: 374**

[*B. cuprea* Mulsant 1850: 374; Dimmock 1906: 287-392]

**Distribution.** Hispaniola  
**Cuba localities.** Doubtful record ( see Gordon 1994a: 223)

**Collections.**

***Geodimmockius* Chapin 1930: 489;** Gordon 1994a: 223. Endemic genus

*G. explanatus* Chapin 1930: 490

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: San Nicholas (t.l.), on *Coffea arabica*

**Collections.** London. Washington (type)

TRIBE NOVIINI

***Rodolia* Mulsant 1850: 902**

*R. cardinalis* (Mulsant) 1850: 906. The vedalia beetle

**Distribution.** Cuba (introduced), s USA (CA-SC); introduced from Australia for biocontrol purposes

**Cuba localities.** Widespread. Predator on *Icerya purchasi* (the cottony cushion scale)

**Collections.**

SUBFAMILY COCCINELLINAE

TRIBE COCCINELLINI

***Coccinella* Linnaeus 1758: 36**

*C. maculata* (DeGeer) 1775: 392; Jacquelin du Val 1857: 325 (*Megilla*); Bruner 1951: 84

*Megilla novemnotata cubensis* Casey 1908: 394. Cuba

*C. floridana* Leng 1903: 38 (Bruner 1951: 84)

**Distribution.** Cuba, Lesser Antilles, México to Chile, se USA

**Cuba localities.** Widespread

**Collections.** Gundlach no. 374. Havana. Pittsburgh

***Coelophora* Mulsant 1850: 390**

*C. inaequalis* (Fabricius) 1775: 80

**Distribution.** Cuba, Caribbean, USA (FL)

**Cuba localities.**

**Collections.**

***Cycloneda* Crotch 1871: 6**

*C. sanguinea* Linnaeus 1763: 10

*C. s. limbifer* Casey 1899: 92 (Cuba and Florida subspecies)

**Distribution.** Cuba, Bahamas, widespread West Indies, México to Chile, USA

**Cuba localities.** Widespread in Cuba

**Collections.** Pittsburgh

*C. n.sp.* Zayas 1988: 80

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Pinares de Mayarí

**Collections.** Zayas

***Hippodamia* Mulsant 1846: 30**

*H. convergens* Guérin-Méneville 1842: 321. The convergent lady beetle

**Distribution.** Cuba, West Indies, México to Honduras, USA

**Cuba localities.** Common in western Cuba (Bruner 1951: 85)

**Collections.**

***Olla* Casey 1899: 84**

*O. v-nigrum* (Mulsant) 1866:64 (*Harmonia*)

*Procula orientalis* Zayas 1988: 80; SC: Santiago de Cuba (t.l.), Zayas (type); Ivie 1991: 400

**Distribution.** Cuba (widespread), México to South America, USA (widespread) (dark form has been called *O. oculata* Fab., and *Coccinella oculata* Thunberg)

**Cuba localities.**

**Collections.**

***Procula* Mulsant 1850: 374**

*P. cubensis* Chapin 1941: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Sierra de Anafe, Caimito (t.l.); Santiago de Las Vegas. Ci: Cayamas

**Collections.** Washington (type)

## TRIBE HALYZIINI

***Psyllobora* Chevrolat 1836: 458**

*P. nana* Mulsant 1850: 181; Jacquelin du Val 1857: 325; Gundlach 1891: 402; Chapin 1957: 89

**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, Hispaniola to St. Thomas, USA (FL)

**Cuba localities.** H. M: Cárdenas. PR

**Collections.** Havana, Gundlach no. 431

*P. schwarzi* Chapin 1957: 89

**Distribution.** Cuba, Bahamas, Hispaniola, Cayman Islands

**Cuba localities.** Ca: Jaronú. Ci: Cayamas; Limones; Soledad. Ha: Santiago de la Vega. PR: Chirigota (t.l.)

**Collections.** Cambridge. Washington (type)

## SUBFAMILY EPILACHNINAE

***Epilachna* Redtenbacher 1843: 7**

*E. tredecimnotata* (Latreille) 1833: 67. The squash beetle

*E. borealis* Fabricius, in Jacquelin du Val 1857: 327; Gundlach 1891: 404

**Distribution.** Cuba, México to Argentina, USA (widespread)

**Cuba localities.** Widespread. Pest of cucurbits

**Collections.** Gundlach no. 276. Havana

## REFERENCES

- Chapin, E.A.** 1957. Records of coccinellid beetles from the Cayman Islands, with descriptions of new species from the West Indies. Ent. Mon. Mag. 93: 89-91.
- Dimmock, G.W.** 1906. Algunas Coccinellidae de Cuba. Inf. An. Est. Centr. Agron., 1904-1905 (1906): 287-392.
- Fernandez Garcia, I.** 1998. Algunos aspectos ecologicos de la comunidad de coleopteros de un agroecosistema cañero en la provincia de La Habana. Poeyana no. 460, 114.
- Gordon, R.D.** 1991. West Indian Coccinellidae IV (Coleoptera): new genera and species of Sticholotidini. Proc. Ent. Soc. Washington 93: 298-316.
- Gordon, R.D.** 1994a. West Indian Coccinellidae. V. (Coleoptera): a review of Coccidulini and additions to *Psorolyma* Sicard. J. New York Ent. Soc. 102: 222-231.
- Gordon, R.D.** 1994b. West Indian Coccinellidae. VI. (Coleoptera): new genera and species of Sticholotidini and a cladistic analysis of included genera. J. New York Ent. Soc. 102: 232-241.
- Gordon, R.D.** 1994c. *Arawana scapularis* (Coleoptera: Coccinellidae) in the United States and new locality records for species of *Arawana*. Ent. News 105: 133-136.
- Ivie, M.A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, Entomofauna Cubana. Order Coleoptera. Coleop. Bull. 45: 399-401.

## 123. FAMILY CORYLOPHIDAE

The minute hooded beetles

These beetles appear to feed on various fungal spores, and some are common on moldy grass cuttings.

## SUBFAMILY RYPOBIINAE

## TRIBE RYPOBIINI

***Hoplicnema* Matthews 1899: 161**

*H. cubensis* Pakaluk 1987: 89

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Soledad

**Collections.** Cambridge. Washington (type)

*H. hesperia* Pakaluk 1987: 93

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). PR: Bahia Honda

**Collections.** Washington (type)

*H. spiniventer* Pakaluk 1987: 108

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). PR: Bahia Honda

**Collections.** Cambridge. Washington (type)

#### SUBFAMILY CORYLOPHINAE

##### TRIBE PARMULINI

***Clypastrea* Haldeman 1842: 191.**

*C. instabile* (Matthews) 1894: 336 (*Sacium*)

**Distribution.** Cuba, Grenada

**Cuba localities.**

**Collections.**

#### REFERENCES

**Pakaluk, J.** 1987. Revision and phylogeny of the Neotropical genus *Hoplicnema* Matthews (Coleoptera, Corylophidae). *Trans. Amer. Ent. Soc.* 113: 73-116.

#### 124. FAMILY LATRIDIIDAE

The minute brown scavenger beetles

All members of this family appear to feed on spores and are often associated with molds. Some are stored products pests.

#### SUBFAMILY LATHRIDIINAE

***Cartodere* Thomson 1859: 93**

(*C. constricta* (Gyllenhal) 1827: 138). The plaster beetle

**Distribution.** USA (FL), cosmopolitan

**Cuba localities.**

**Collections.**

***Eufallia* Muttkowski 1810: 162**

*Enicmus* Thomson 1859: 93

*E. seminiveus* Motschoulsky 1866: 265

**Distribution.** Cuba, Puerto Rico, México, USA (FL)

**Cuba localities.**

**Collections.**

#### SUBFAMILY CORTICARIINAE

***Corticaria* Marsham 1802: 106**

*C. ferruginea* Marshall 1902: 111

**Distribution.** Cuba, USA (FL), cosmopolitan

**Cuba localities.**

**Collections.**

***Melanophthalma* Motschoulsky 1866: 269**

*M. americana* (Mannerheim) 1844: 50

**Distribution.** Cuba, Argentina, USA (FL)

**Cuba localities.**

**Collections.**

*M. flavicula* Motschoulsky 1866: 290

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*M. signata* Belon 1887: 289

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

***Metophthalmus* Wollaston 1854: 192**

*M. cuba* Andrews 1998: 60

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Bahia Barclay (t.l.)

**Collections.** Bozeman. Sacramento. Washington

#### REFERENCES

**Andrews, F.** 1998. A new species of *Metophthalmus* Wollaston (Coleoptera: Latridiidae) from Cuba. *Coleop. Bull.* 52: 60-62.

#### SUPERFAMILY TENEBRIONOIDEA

#### 125. FAMILY MYCETOPHAGIDAE

The hairy fungus beetles

These beetles mostly feed on fungi on and under bark and in moldy plant materials.

#### SUBFAMILY MYCETOPHAGINAE

***Litargus* Erichson 1846: 405**

*L. balteatus* LeConte 1856: 14

**Distribution.** Cuba, Puerto Rico, Montserrat, México to Panamá, USA (FL); cosmopolitan; occasionally in stored corn and grain

**Cuba localities.**

**Collections.**

***Typhaea* Stephens 1830: 58**

*T. semirufa* Chevrolat 1864: 614; Gundlach 1891: 102

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 326

(*T. stercorea* Linnaeus 1758: 357). The hairy fungus beetle

**Distribution.** Puerto Rico, Lesser Antilles, México to Guatemala, USA (FL); cosmopolitan; feeds on fungi in moldy grains, seeds, and peanuts



**Cuba localities.**  
**Collections.**

#### SUBFAMILY BERGININAE

##### ***Berginus* Erichson 1846: 405**

*B. bahamicus* Casey 1900: 129

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.**

**Collections.**

#### 126. FAMILY ARCHEOCRYPTICIDAE

This family is not known to occur in the West Indies, but it is in the southern USA, and Central and South America. They are found in leaf litter and may feed on fungi.

#### 127. FAMILY PTEROGENIIDAE

This family occurs in southeast Asia and the East Indies. They feed on hard polypore fungi.

#### 128. FAMILY CIIDAE

The minute tree-fungus beetles

Both larvae and adults of this family bore in hard fungal fruiting bodies. Lawrence (1971, 1982) revised and catalogued the North American genera and species.

#### SUBFAMILY CIINAE

##### ***Ceracis* Mellié 1848: 375 (see Lawrence 1967)**

*C. curtus* (Mellié) 1848: 267 (*Ennearthron*); Gundlach 1891: 110; Lawrence 1967: 110; 1971: 497

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, USA (TX-FL)

**Cuba localities.** Ci: Cayamas; Soledad. IJ

**Collections.** Cambridge. Gundlach no. 1335. Washington

*C. minutus* Dury 1917: 25; Lawrence 1967: 114; 1971: 499

**Distribution.** Cuba, Jamaica, Hispaniola, Bahamas, USA (TX-FL)

**Cuba localities.** Ci: Cayamas; Soledad

**Collections.** Cambridge. Washington

*C. monocerus* Lawrence 1967: 115, replacement name for *C. unicorn* Casey 1898: 90

**Distribution.** Cuba, USA (LA-FL)

**Cuba localities.**

**Collections.**

*C. multipunctatus* (Mellié) 1848: 368 (*Ennearthron*); Gundlach 1891: 110; Lawrence 1967: 116; 1971: 499

**Distribution.** Cuba, Jamaica, USA (AL-FL)

**Cuba localities.** Ci: Cayamas. Gu: Guantánamo. SS: Buenos Aires; Trinidad

**Collections.** Cambridge. Gundlach no. 725

*C. pullulus* (Casey) 1898: 90; Lawrence 1967: 121; 1971: 501

**Distribution.** Cuba, Jamaica, Puerto Rico, Virgin Islands, se USA (NC-LA)

**Cuba localities.** Ci: Soledad. SS: Buenos Aires; Mina Carlotta; Trinidad

**Collections.** Cambridge

*C. punctulatus rubriculus* Lawrence 1967: 124; Lawrence 1967: 124; 1971: 501

**Distribution.** Cuba, Jamaica, e USA

**Cuba localities.** PR: Baños de San Vicente (the only Cuba record)

**Collections.**

##### ***Cis* Latreille 1796: 50**

*C. bipartita* Jacquelin du Val 1857: 241; Gundlach 1891: 109

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 394

*C. cayensis* Lawrence 1971: 448

**Distribution.** Cuba, USA (s FL)

**Cuba localities.** SS: Buenos Aires; Trinidad

**Collections.** Cambridge

*C. creberrimus* Mellié 1848: 357; Lawrence 1971: 452

**Distribution.** Cuba, Jamaica, Bahamas, Grenada, México, Central and South America, USA (FL)

**Cuba localities.** PR: Rinar del Rio

**Collections.** Cambridge

*C. crinitus* Lawrence 1971: 453

**Distribution.** Cuba, Jamaica, Bahamas, Puerto Rico

**Cuba localities.** Ci: Cayamas

**Collections.** Washington

*C. floridae* Drury 1917: 9; Lawrence 1971: 460

**Distribution.** Cuba, USA (GA-FL)

**Cuba localities.** Ci: Cayamas

**Collections.** Washington

*C. hirsutus* Casey 1898: 83; Lawrence 1971: 461

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, USA (FL)

**Cuba localities.** PR: Baños de San Vicente

**Collections.**

*C. hirtella* Jacquelin du Val 1856: 241; Gundlach 1891: 109

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. murina* Mellié 1848: 252; Gundlach 1891: 109

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 720

*C. superba* Kraus 1908: 75

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

***Ennearthron* Mellié 1847: 110**

*E. annulatum* Kraus 1908: 80

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*E. castaneipennis* (Mellié) 1848: 376 (*Ceracis*);  
Jacquelin du Val 1857: 246; Gundlach 1891:  
111

*Ceracis nitidula* Mellié 1848: 334

**Distribution.** Cuba, Guadeloupe

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 579

*E. delicatulum* Jacquelin du Val 1857: 244;  
Gundlach 1891: 110

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1027

*E. taurulus* Jacquelin du Val 1857: 245; Gundlach  
1891: 111

*Ceracis bison* Reitter 1878: 37

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cardenas; M: Ciénaga de  
Zapata

**Collections.** Gundlach no. 581

*E. variabilis* (Mellié) 1848: 380 (*Ceracis*); Jacquelin  
du Val 1857: 246; Gundlach 1891: 111

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 580

***Orthocis* Casey 1898: 84**

(*O. huesanus* Kraus 1908: 77; Lawrence 1971: 485)

**Distribution.** USA (FL, Keys only)

**Cuba localities.**

**Collections.**

REFERENCES

- Lawrence, J.F.** 1967. Delimitation of the genus *Ceracis* (Coleoptera: Ciidae) with a revision of North American species. Bull. Mus. Comp. Zool. 136: 91-144.
- Lawrence, J.F.** 1971. Revision of the North American Ciidae (Coleoptera). Bull. Mus. Comp. Zool. 142: 419-522.
- Lawrence, J.F.** 1982. A catalog of the Coleoptera of America north of México. Family Ciidae.

USDA Agriculture Handbook 529-105.

**129. FAMILY TETRATOMIDAE**

This family occurs in North America, Europe, India, the East Indies, and Japan, but not the West Indies. They occur in the softer fruiting bodies of some Basidiomycete fungi.

**130. FAMILY MELANDRYIDAE**

The false darkling beetles

Most larvae of this family bore in rotten wood, and some feed in fungal fruiting bodies.

**SUBFAMILY MELANDRYINAE**

**TRIBE ORCHESIINI**

***Orchesia* Latreille 1807: 194**

*O. sp.* (Leng and Mutchler 1917: 215)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** New York

**131. FAMILY MORDELLIDAE**

The tumbling flower beetles

Reviewed by J.A. Jackman, April, 1995

Larvae usually feed in rotten wood or stems of herbaceous plants, and a few bore into fungi. Adults are common on flowers.

**SUBFAMILY MORDELLINAE**

**TRIBE MORDELLINI**

***Mordella* Linnaeus 1758: 420**

*M. ornata* Zayas 1988: 83

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Soroa (t.l.)

**Collections.** Zayas (type)

*M. scutellaris* Fabricius 1801: 123

**Distribution.** Cuba, Puerto Rico, México to  
Brazil

**Cuba localities.**

**Collections.**

***Tomoxia* Costa 1854: 8**

*T. bella* Zayas 1988: 84

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de Las Vegas  
(t.l.)

**Collections.** Zayas (type)

*T. trimaculata* Zayas 1988: 85

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal

**Collections.**

## TRIBE MORDELLISTENINI

***Mordellistena* Costa 1854: 16***M. corralillo* Zayas 1988: 87**Distribution.** Cuba. Endemic**Cuba localities.:** Corralillo (t.l.)**Collections.** Zayas (type)*M. crucina* Zayas 1988: 88**Distribution.** Cuba. Endemic**Cuba localities.** Gr: Cabo Cruz (t.l.)**Collections.** Zayas (type)*M. graciliformis* Ray 1941: 302**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Central Jaronu. CA: Central Jagueyal. M: Matanzas; Coliseo (t.l.)**Collections.** Washington (type)*M. nigricans* Melsheimer 1840: 313**Distribution.** Cuba, widespread USA**Cuba localities.** IJ: Nueva Gerona**Collections.** Pittsburgh*M. siboney* Zayas 1988: 86**Distribution.** Cuba. Endemic**Cuba localities.** SC: Cuidamar (t.l.)**Collections.** Zayas (type)*M. tetramaculata* Zayas 1988: 86**Distribution.** Cuba. Endemic**Cuba localities.** SC: Gran Piedra; Loma del Gato (t.l.). SS: Buenos Aires**Collections.** Zayas (type)**132. FAMILY RHIPIPHORIDAE**

The wedge-shaped beetles

The larvae are endoparasites on larvae of bees and wasps.

**SUBFAMILY RHIPIPHORINAE****TRIBE MACROSIAGONINI*****Macrosiagon* Hentz 1830: 462** (see key in Vaurie 1955)*M. basale* Gerstaecker 1855: 21**Distribution.** Cuba, Puerto Rico**Cuba localities.****Collections.***M. cruentum* Germar 1824: 168**Distribution.** Cuba, México, USA (CA-IN-FL)**Cuba localities.****Collections.***M. discicolle* (Gerstaecker) 1855: 32**Distribution.** Cuba, Puerto Rico, Guadeloupe, Hispaniola, Jamaica, México to Brazil**Cuba localities.****Collections.***M. sordidum* Gerstaecker 1855: 28**Distribution.** Cuba, Puerto Rico, Guatemala to Brazil**Cuba localities.****Collections.***(M. spinosum* Fabricius 1798: 126)**Distribution.** West Indies, Brazil, Argentina**Cuba localities.****Collections.****SUBFAMILY RHIPIIDIINAE*****Ripidius* Thunberg 1806: 5***R. pectinicornis* Thunberg 1806:5; Falin: 2001: 196**Distribution.** Cuba (introduced), USA (FL, HI; intercepts); tropicopolitan, native to India?**Cuba localities.** Ha: Havana (intercept on ship from Havana to Miami, FL); parasitoid of *Blatella germanica* L. cockroaches**Collections.** Washington?

## REFERENCES

**Falin, Z. H.** 2001. Notes on the occurrence of *Ripidius pectinicornis* Thunberg (Coleoptera: Rhipiphoridae) in the continental United States and Hawaii. *Coleop. Bull.* 55: 194-197.**Vaurie, P.** 1955. A review of the genus *Macrosiagon* in México, with notes on *Rhipiphorus* (Coleoptera: Rhipiphoridae). *Amer. Mus. Novitates* no. 1717. 19 pp.**133. FAMILY COLYDIIDAE**

The cylindrical bark beetles or colydiid beetles

These beetles occur in dead wood, under bark, in leaf litter, and sometimes on fungi. Some are predators on wood-boring beetles, and some feed on fungus spores and hyphae (Slipinski and Lawrence 1997). The higher classification is used differently in different sources (Ivie and Slipinski 1990). The following are placed in Zopheridae in Slipinski and Lawrence (1999).

**TRIBE ACROPINI*****Ethelema* Pascoe 1860: 107***E. cubana* Zayas 1988: 78**Distribution.** Cuba. Endemic**Cuba localities.** M: Peninsula Zapata. PR. SC: Pico Turquino (t.l?)**Collections.** Zayas (type)**TRIBE ADIMERINI**

***Monoedus* Horn 1882**

(*M. guttatus* LeConte 1882: 116; Stephan 1989: 61)

**Distribution.** West Indies, USA (FL; in *Metastelma* (= *Cynanchum*) milkweed)

**Cuba localities.**

**Collections.**

## TRIBE COLYDIINI

***Aulonium* Erichson 1845: 275**

*A. bidentatum* (Fabricius) 1801: 556; Jacquelin du Val 1857: 248; Chevrolat 1864: 607; Gundlach 1891: 105

**Distribution.** Cuba, Puerto Rico, Guadeloupe, México to Brazil

**Cuba localities.** Widespread

**Collections.** Gundlach no. 664

***Colydium* Fabricius 1792: 459**

*C. thomasi* Stephan 1989: 57

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ci: Cayamas

**Collections.** Washington

## TRIBE NEMATIDIINI

***Nematidium* Erichson 1845: 275**

*N. cylindricum* Fabricius 1801: 557

**Distribution.** Cuba, Colombia, Brazil

**Cuba localities.**

**Collections.**

## TRIBE SYNCHITINI

***Acolobicus* Sharp 1894: 452**

*A. erichsoni* (Reitter) 1877: 133

**Distribution.** Cuba, México, USA (SC, FL)

**Cuba localities.**

**Collections.**

***Asynchita* Sharp 1894: 448**

*A. granulata* (Say) 1827: 266

**Distribution.** Cuba, Hispaniola, Puerto Rico, Guadeloupe

**Cuba localities.**

**Collections.**

*A. rugulosa* (Guérin-Ménéville) 1844: 189 (*Synchita*)

*Colobicus rugulosus* (Guérin-Ménéville); Jacquelin du Val 1854: 247; Chevrolat 1864: 607; Gundlach 1891: 103

**Distribution.** Cuba, West Indies (where?)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 70

***Bitoma* Herbst 1793: 25**

*B. carinata* LeConte 1863: 68

**Distribution.** Cuba, Hispaniola, USA (MS-VA-FL)

**Cuba localities.**

**Collections.**

*B. discolor* Schaeffer 1907: 138

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Ci: Cayamas

**Collections.** Washington

*B. quinquecarinata* (Chevrolat) 1864: 609 (*Eulachus*); Gundlach 1891: 105

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Brazo de Cauto. SC: Cobre

**Collections.** Gundlach no. 1889

*B. semifuliginosa* (Chevrolat) 1864: 608 (*Eulachus*); Gundlach 1891: 104

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Widespread

**Collections.** Gundlach no. 312

*B. undata* Guérin-Ménéville 1844: 194

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

***Lobogestoria* Reitter 1878: 31**

*L. gibbicollis* Reitter 1878: 32; Schaeffer 1907: 141

*Aditoma bifida* Casey 1897: 630

**Distribution.** Cuba, Puerto Rico, se USA (LA-SC-FL)

**Cuba localities.**

**Collections.**

***Microprius* Fairmaire 1869: 779**

*M. rufulus* (Motschulsky) 1863: 502 (*Bitoma*)

*M. cubanus* Slipinski 1985: 811; Ivie et al. 2001: 186 (synonymy)

**Distribution.** Cosmotropical?; Cuba, Grand Cayman, Puerto Rico, Sri Lanka, Cape Verde Islands, Egypt, Tanzania, India to Syria, South Africa, USA (CA). Probably transported by commerce in logs

**Cuba localities.** Ha: Marianao (t.l.); La Palma. PR: Sierra del Rosario

**Collections.** Berlin. Geneva. Prague (type). Warsaw

***Neotrichus* Sharp 1885: 60**

*N. tuberculatus* (Chevrolat) 1864b: 607 (*Plagiope*); Gundlach 1891: 103

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1170



***Paha Dajoz* 1984: 155***P. laticollis* (LeConte) 1863: 66**Distribution.** Cuba, USA (OK-NY-FL)**Cuba localities.****Collections.*****Phloeonemus* Erichson 1845: 258***P. haroldi* Reitter 1878: 114**Distribution.** Cuba. Endemic**Cuba localities.****Collections.**

## REFERENCE

- Ivie, M.A. and Slipinski, S.A.** 1990. Catalog of the genera of world Colydiidae (Coleoptera). *Annales Zoologici* (Warsaw) 43 (suppl. 1) 1-32
- Ivie, M.A., S.A. Slipinski, and P. Wegrzynowicz.** 2001. New records and synonyms in the Colydiinae and Pycnomerini (Coleoptera: Zopheridae). *Insecta Mundi* 15: 185-188.
- Slipinski, S.A.** 1985. New and little known species of the genus *Microprius* Fairmaire (Coleoptera, Colydiidae). *Polskie Pismo Ent.* 55: 811-816.
- Slipinski, S.A. and Lawrence, J.F.** 1997. Genera of Colydiinae (Coleoptera: Zopheridae) of the Australo-Pacific region. *Annales Zoologici* (Warszawa) 47: 341-440.
- Slipinski, S.A. and Lawrence, J.F.** 1999. Phylogeny and classification of Zopheridae *sensu novo* (Coleoptera: Tenebrionoidea) with a review of the genera of Zopherinae (excluding Monommatini). *Annales Zoologici* (Warszawa) 49: 1-53.
- Stephan, K.S.** 1989. The Bothrideridae and Colydiidae of America north of México (Coleoptera, Clavicornia and Heteromera). *Occ. Pap. Fla. St. Colln. Arthrop.* 6: 1-65.

**134. FAMILY MONOMMATIDAE**

The monommatid beetles

These beetles occur in decaying plant material, and may occur in rotting stems of *Euphorbia*, *Papaya*, and *Yucca*, under fermenting tree bark, and in rotted yams. This group is treated as a tribe of Zopheridae in Slipinski and Lawrence (1999).

## TRIBE MONOMMATINI

***Aspathines* Champion 1888: 475***A. aenea* Thomson 1860: 27**Distribution.** Cuba, Hispaniola, Puerto Rico**Cuba localities.****Collections.*****Hyporhagus* Thomson 1860: 25***H. marginatus* (Fabricius) 1792: 506 (*Tritoma*); Jacquelin du Val 1857: 142; Gundlach 1891: 89, 119 (*Monomma*)**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, South America**Cuba localities.** Widespread**Collections.** Gundlach no. 448. Pittsburgh

## REFERENCES

- Slipinski, S.A. and J.F. Lawrence.** 1999. Phylogeny and classification of Zopheridae *sensu novo* (Coleoptera: Tenebrionoidea) with a review of the genera of Zopherinae (excluding Monommatini). *Annales Zoologici* (Warszawa) 49: 1-53.

**135. FAMILY ZOPHERIDAE**

The ironclad beetles

Members of the Zopherinae group were traditionally placed within the Tenebrionidae. The larvae feed in rotten wood or fungus fruiting bodies. The Pycnomerini were traditionally placed in the Colydiidae. The higher classification is used differently in different sources. The following are placed in Zopheridae in Slipinski and Lawrence (1999).

## TRIBE PYCNOMERINI

***Pycnomerus* Erichson 1842:214***P. bimpessus* Reitter 1877: 355; Ivie and Slipinski 1989: 69*Cerylon exaratum* Chevrolat 1863: 610; Gundlach 1891: 107**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Lesser Antilles, Central and South America**Cuba localities.** SC: Gran Piedra**Collections.** Cambridge*P. valentinei* Ivie and Slipinski 1989: 76**Distribution.** Cuba, Hispaniola**Cuba localities.** Ci: Soledad (record based on single specimen)**Collections.** Cambridge

## TRIBE ZOPHERINI

***Meralius* Casey 1907: 470** (known only in Cuba and Venezuela)*M. echinatus* (Guerin) in Chevrolat 1838: 280 (*Nosoderma*); Jacquelin du Val 1857: 141; Gundlach 1891: 118

**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 108

## REFERENCES

- Ivie, M.A. and S.A. Slipinski.** 1989. The Pycnomerini (Coleoptera; Colydiidae) of the West Indies. Fla. Ent. 72: 64-80.
- Slipinski, S.A.** 1985. New and little known species of the genus *Microprius* Fairmaire (Coleoptera, Colydiidae). Polskie Pismo Ent. 55: 811-816.
- Slipinski, S.A. and J.F. Lawrence.** 1999. Phylogeny and classification of Zopheridae *sensu novo* (Coleoptera: Tenebrionoidea) with a review of the genera of Zopherinae (excluding Monommatini). Annales Zoologici (Warszawa) 49: 1-53.
- Stephan, K.S.** 1989. The Bothrideridae and Colydiidae of America north of México (Coleoptera, Clavicornia and Heteromera). Occ. Pap. Fla. St. Colln. Arthrop. 6: 1-65.

## 136. FAMILY ULODIDAE

This family occurs in Australia, New Zealand, and Chile.

## 137. FAMILY PERIMYLOPIDAE

This family is restricted to southern South America and the Subantarctic Islands. They live under stones and in grass and may be general scavengers.

## 138. FAMILY CHALCODRYIDAE

This family occurs only in Tasmania and New Zealand. They apparently feed on moss on tree trunks at night.

## 139. FAMILY TRACHELOSTENIDAE

This family of one genus is limited to Chile.

## 140. FAMILY TENEBRIONIDAE

The darkling beetles

This is a large and common family. They generally occur in arid areas and feed on a variety of materials as scavengers. Larvae occur in soil, litter, dead wood, or fungi. Some occur in caves and some are pests of stored products or agriculture (La Rosa *et al.* 1987, Vasquez 1986). The cave faunas have been studied by Ardoin (1977a, 1977b), and Peck *et al.* (1999) The higher categories and genera are here arranged according to the concepts of relationships used by Aalbu *et al.* in Arnett *et al.* (2002). Marcuzzi (1984, 1998) is a catalogue of the

Tenebrionidae (s.str.) of the Antilles and a supplement to the catalogue. In an unpublished checklist, Garrido and Gutierrez list 125 species for Cuba (excluding Lagriinae and Alleculinae), of which 66 are endemic species, figures which are now out of date. They give additional distributional data within Cuba, based upon material in the Garrido collection in Havana.

SUBFAMILY LAGRIINAE  
TRIBE BELOPINI**Adelonia Laporte 1840: 221**

*A. sulcatulus* Champion 1885: 121; Ardoin 1977b: 391

*A. sulcatus* Leng and Mutchler 1914: 464

**Distribution.** Cuba (Oriente), México to Colombia, Ecuador, USA (TX); at lights

**Cuba localities.** SC: Siboney

**Collections.** Havana (Garrido)

**Rhyasma Pascoe 1862: 325**

*Derosimus* Fairmaire 1904: 62

*R. haitianum* Marcuzzi 1953: 82; Spilman 1961b: 127

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Ca: SC: Cuabitas. Gu: Guantánamo. LT: Jobabo. SC: Santiago

**Collections.** Washington. Zayas

SUBFAMILY PHRENAPATINAE  
TRIBE PENETINI**Dioedus LeConte 1862: 238**

*Arrhabaeus* Champion 1886: 144

*D. sp.*; 5 species (undescribed)

**Distribution.**

**Cuba localities.**

**Collections.**

SUBFAMILY PIMELIINAE  
TRIBE BRANCHINI**Branchus LeConte 1862: 222**

*B. cubensis* Marcuzzi 1998: 153 (nomen nudum?)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*B. woodi* LeConte 1866: 111; Spilman 1961b: 127

**Distribution.** Cuba, Bahamas

**Cuba localities.** Ha: Marianao, littoral

**Collections.** Washington. Zayas

## TRIBE EPITRAGINI

***Epitragus* Latreille 1804: 322**

*E. arulentus* Kirsch 1866: 189; Freude 1967: 156

**Distribution.** Cuba (introduced, probably native to South America), Jamaica, Aruba, Curaçao, Margarita, México to Colombia, Venezuela, Brazil, Ecuador, USA (TX); at lights; apparently becoming an agricultural pest species in the West Indies (J. Santiago Blay, pers. comm., 2002)

**Cuba localities.** SC: Versalles. Ca: Camaguey

**Collections.** Havana: Garido

*E. n.sp.?* Zayas 1988: 90 (which notes it is different from above species, and is possibly introduced from Jamaica, which would suggest it could be *E. jamaicensis* Champion 1896: 3; Freude 1967: 159

**Distribution.**

**Cuba localities.**

**Collections.** Zayas

## TRIBE EURYMETOPINI

***Garridoa* Marcuzzi 1985: 180**

*G. kassabi* Marcuzzi 1985: 180

**Distribution.** Cuba. Endemic

**Cuba localities.** LT: Puerto Manati (t.l.)

**Collections.** Budapest (type)

***Trimytantron* Ardoin 1977a: 381**

*Bielawskia* Marcuzzi 1985: 179; 1998: 152

*T. armasi* Garrido and Gutierrez 1997b: 32

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Sierra de Trinidad; Maisinicú (t.l.)

**Collections.** Havana

*T. cavernicolous* Garrido and Gutierrez 1997b: 34

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Cueva el Pirata, (t.l.), Cueva de Colon; Cueva de los Chivos (all on Cayo Caguanes); Punta de Judas, Yaguajay

**Collections.** Havana (type)

*T. cubanum* Ardoin 1977b: 388; Garrido and Gutierrez 1997b: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Cueva de los Panaderos (t.l.)

**Collections.**

*T. decui* Ardoin 1977a: 382; 1977b: 388; Garrido and Gutierrez 1997b: 30; Marcuzzi 1998: 155 (*Diastolinus*)

*Bielawskia cubana* Marcuzzi 1985: 179 (SC: Ocuja del Turquino (t.l.), Warsaw (type))

*T. garridoi* Marcuzzi 1998: 153 (replacement name)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC; Cueva de Cativar, 50 km W Santiago (t.l.), other caves in Gu, Gr and SC along coast; in dry guano in caves

**Collections.** Budapest. Warsaw

*T. escambrayensis* Garrido and Gutierrez 1997b: 33

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Sierra de Escambray, Cima de Pico Potrerillo

**Collections.** Havana

*T. littoralis* Garrido and Gutierrez 1997b: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: 1 km E Tortuguilla (t.l.)

**Collections.** Havana

*T. minor* Garrido and Gutierrez 1997b: 36

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Boca de Jaruco (t.l.)

**Collections.** Havana

*T. negreai* Ardoin 1977b: 387; Garrido and Gutierrez 1997b: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Cueva del Guano (t.l.); Cueva de los Murcielagos, Cueva de la Patana, Cueva de Golondrinas; Cueva de la Virgen

**Collections.**

*T. poeyi* Ardoin 1977a: 383; 1977b: 388; Garrido and Gutierrez 1997b: 30

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Cueva de la Patana (t.l.), and other caves in Ha, SS, SC provinces

**Collections.**

*T. punctulaticeps* Garrido and Gutierrez 1997b: 34

**Distribution.** Cuba. Endemic

**Cuba localities.** Matanzas or Trinidad (no type locality)

**Collections.** Gundlach no. 1073

*T. pumilus* Garrido and Gutierrez 1997b: 35

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Navas (t.l.)

**Collections.** Havana

*T. sierrae* Garrido and Gutierrez 1997b: 31

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Bonega Matías (t.l.)

**Collections.** Havana

*T. vinai* Ardoin 1977b: 388

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cueva de la Pluma (t.l.)

**Collections.**

## TRIBE TRIENTOMINI

***Trientoma* Solier 1835: 256***T. cayensis* Garrido and Gutierrez 1995b: 47**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Archipelago de Sabana; Cayo Romano; Cayo Conuco**Collections.** Havana.*(T. convexipennis* Allard 1883: 14)**Distribution.** Cuba?. Locality not stated in description**Cuba localities.****Collections.***T. garridoi* Marcuzzi 1988: 69**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Bahía de Guantánamo; Tortuguilla (t.l.)**Collections.** Havana (Garrido)*T. kaszabi* Marcuzzi 1985: 181**Distribution.** Cuba. Endemic**Cuba localities.** SC: Puerto Boniato (t.l.)**Collections.** Warsaw (type).*T. maisiensis* Marcuzzi 1988: 67*T. zayasi* Marcuzzi 1988: 68. Synonymy in Garrido and Gutierrez 1995b**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Guantánamo; Tortuguilla; Punta de Maisi (t.l.)**Collections.** Havana (Garrido)*T. siboneyensis* Marcuzzi 1988: 71**Distribution.** Cuba. Endemic**Cuba localities.** SC: Siboney (t.l.)**Collections.** Havana (Garrido, type)*T. varvasi* Solier 1835: 257**Distribution.** Cuba, Puerto Rico**Cuba localities.****Collections.***T. zayasi* Marcuzzi 1988: 70**Distribution.** Cuba Endemic**Cuba localities.** Gu: Guantánamo (t.l.)**Collections.** Zayas (type)

## SUBFAMILY BOLITOPHAGINAE

## TRIBE BOLITOPHAGINI

## SUBTRIBE RHIPIDANDRINA

***Rhipidandrus* LeConte 1866: 236***R. sulcatus* Gorham 1898: 333**Distribution.** Cuba, Hispaniola, St. Vincent**Cuba localities.****Collections.**

## SUBFAMILY DIAPERINAE

## TRIBE PHALERIINI

***Phaleria* Latreille 1802: 162***P. picipes* Say 1824: 280; Triplehorn and Watrous 1979: 291; Watrous and Triplehorn 1982: 19; Triplehorn 1991: 266**Distribution.** Cuba, Bahamas, Jamaica, Cayman Islands, Hispaniola, México, Belize, Honduras, Venezuela, Les Saintes, Aves, Mustique, Grenadines, Marguerita, Las Roques, USA (FL-NJ)**Cuba localities.** Gu: Baracoa**Collections.***P. punctipes* LeConte 1878: 421; Triplehorn and Watrous 1979: 281; Watrous and Triplehorn 1982: 13; Triplehorn 1991: 268**Distribution.** Cuba, Bahamas, Jamaica, Virgin Islands, Lesser Antilles, USA (FL)**Cuba localities.** Ca: Camaguey**Collections.** Washington*P. testacea* Say 1824: 280; Triplehorn and Watrous 1979: 289; Watrous and Triplehorn 1982: 19; Triplehorn 1991: 266**Distribution.** Cuba, Bahamas, Puerto Rico, Virgin Islands, Lesser Antilles, ne USA to Argentina**Cuba localities.** SC: Baconao**Collections.***(P. thinophila* Watrous and Triplehorn 1982: 15)**Distribution.** Hispaniola, Jamaica, Virgin Islands, Puerto Rico, Barbados, Costa Rica, Venezuela**Cuba localities.****Collections.**

## TRIBE DIAPERINI

## SUBTRIBE ADELININA

***Adelina* LeConte 1851: 149.***A. bidens* Schaeffer 1915: 238; Ardoin 1977c: 10 (*Doliema*)**Distribution.** Cuba, Hispaniola, Guatemala, USA (FL)**Cuba localities.****Collections.***A. pallida* Say 1823: 271**Distribution.** Cuba, México to Nicaragua, Puerto Rico, USA (FL)**Cuba localities.****Collections.***A. pici* (Ardoin) 1977c: 7 (*Doliema*)**Distribution.** Cuba, Guadeloupe, Venezuela**Cuba localities.** "In a ship originating in Cuba."**Collections.** Paris



*A. plana* (Olivier) 1795: 94 (*Tenebrio*); Jacquelin du Val 1857: 151; Gundlach 1891: 113; Ardoin 1977c: 3 (*Doliema*)

**Distribution.** Cuba, Hispaniola, Mustique, Tres Marias, Guadeloupe, México to Colombia, Venezuela, Brasil, Chile, USA (CA-AZ-CO-FL)

**Cuba localities.**

**Collections.** Gundlach no. 1318

***Gnatocerus* Thunberg 1814: 47**

*G. cornutus* (Fabricius) 1798: 51. The broad-horned flour beetle

**Distribution.** Cuba, México to Brazil, USA; cosmopolitan; carried by commerce to Old World in stored products

**Cuba localities.**

**Collections.**

*G. maxillosus* (Fabricius) 1801: 155; Jacquelin du Val 1857: 150; Gundlach 1891: 114. The slender-horned flour beetle

**Distribution.** Cuba, Grenada, México to Colombia, USA; cosmopolitan; in stored products

**Cuba localities.** Ha: Havana. M: Cárdenas

**Collections.** Gundlach no. 325

*G. guatemalensis* (Champion) 1886: 147 (*Sicinus*)

**Distribution.** Cuba, Central America, USA (FL)

**Cuba localities.** Ca: Nuevitas; Playa Santa Lucía

**Collections.**

***Iccius* Champion 1886: 147**

*I. cephalotes* Champion 1886: 148; Marcuzzi 1962: 38

**Distribution.** Cuba, México, Guatemala

**Cuba localities.** PR: Pinar del Rio

**Collections.** Leiden?

***Sitophagus* Mulsant 1854: 264**

*S. hololeptoides* (Laporte) 1840: 220 (*Uloma*); Jacquelin du Val 1857: 149 (*Hypogena*); Gundlach 1891: 121

**Distribution.** Cuba, Puerto Rico, Guadeloupe, México to Panamá, South America, Madeira; a stored products pest

**Cuba localities.** Widespread

**Collections.** Gundlach no. 184

SUBTRIBE DIAPERINA

***Diaperis* Geoffroy 1862: 337**

*D. maculata* Olivier 1791: 273; Triplehorn 1965: 367

*D. hydni* Fabricius 1801: 585; Jacquelin du Val 1857: 147; Gundlach 1891: 119

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, St. Croix, México to Panamá, widespread eastern USA

**Cuba localities.** Ci: Cienfuegos. Gr: Upper Yara Valley. IJ: PR: Baños de San Vicente

**Collections.** Gundlach no. 732

***Heterophylus* Klug 1833: 20**

*H. meszarosi* Kaszab 1977: 127

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Soroa (t.l.)

**Collections.** Budapest (type)

***Neomida* Latreille 1829: 29**

*N. armata* (Laporte and Brullé) 1831: 345; Jacquelin du Val 1857: 146 (*Hoplocephala*); Gundlach 1891: 123

**Distribution.** Cuba, French Guyana

**Cuba localities.** M: Cardenas

**Collections.** Gundlach no. 235

*N. bicornis* Fabricius 1777: 215

*Hoplocephala cornigera* (Fabricius.) 1781: 82; Jacquelin du Val 1857: 146; Gundlach 1891: 122; Marcuzzi 1962: 38; Triplehorn 1965: 377

**Distribution.** Cuba, Jamaica, Bahamas, Bermuda, USA (TX-MN-MA-FL)

**Cuba localities.** Ci: Cienfuegos. Ha: Havana. IJ: M: Cienaga Zapata. PR: Guane-Teneria; Sierra de Los Organos; San Vicente. SC: Buenos Aires; Pico Turquino. VC: Manicaragua

**Collections.** Basel (Frey). Gundlach no. 235 (sic)

*N. ferruginea* LeConte 1866: 128; Triplehorn 1965: 384

**Distribution.** Cuba, Hispaniola, México, Guatemala, Honduras, USA (TX-AL-FL)

**Cuba localities.** Ci: Soledad

**Collections.** Cambridge

***Loxostethus* Triplehorn 1962: 504** (as *Cyphiscus* Chevrolat in Gundlach collection)

*L. fasciatus* Triplehorn 1962: 504; Triplehorn and Merkl 1997: 738

*L. quadrimaculata* Zayas 1988: 93 (Sierera de Trinidad (t.l.), Zayas (type); synonymy by Ivie 1991: 400; Garrido and Gutierrez 1995a: 7

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.); Cumanayagua. Gu: Mts. N of Imias. Ha: Jamaica; Jaruco; Santiago de las Vegas. SS: Buenos Aires; Sierra de Trinidad

- Collections.** Cambridge. Chicago. Columbus. Washington (type)
- L. gibbosus* Triplehorn and Merkl 1997: 738
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Pico Turquino., 3000-5000 ft. (t.l.)
- Collections.** Budapest. Columbus. Harvard (type)
- L. gowdeyi* (Pic) 1930: 30 (*Pentaphyllus*); Triplehorn and Merkl 1997: 739
- L. opacifrons* Triplehorn 1962: 506 (Ci: Cayamas; t.l., Washington, type); synonymy in Triplehorn and Merkl 1997: 739
- Heterophylus mesarosi* Kaszab 1977: 123 (PR: Soroa, t.l., Budapest, type); synonymy in Triplehorn and Merkl 1997: 739
- L. baracoae* Garrido and Gutiérrez 1995a: 7 (Gu: Yunque de Baracoa, t.l.), Havana, type), synonymy by Triplehorn and Merkl 1997: 739
- Distribution.** Cuba, Hispaniola, Jamaica
- Cuba localities.** Ci: Soledad. Ha: Jamaica. Gu: Mts. N of Imias. SC: Pico Turquino. SS: Trinidad Mts, SS: Buenos Aires
- Collections.** Cambridge. Chicago. Columbus
- Platydema Laporte and Brullé 1831: 350**
- P. antennatum* Laporte and Brullé 1831: 366; Jacquelin du Val 1857: 144; Gundlach 1891: 121
- Distribution.** Cuba, Hispaniola
- Cuba localities.** M: Cárdenas
- Collections.** Gundlach no. 183
- P. apicale* (Laporte and Brullé) 1831: 359 (*Lelegis*); Gundlach 1891: 122; Triplehorn 1962: 503
- Distribution.** Cuba, Puerto Rico
- Cuba localities.** Ci: Cayamas. Gu: Imias; Upper Ovando and Rio Frio. SC: Boniato
- Collections.** Cambridge. Gundlach no. 1317. Washington
- P. basicorne* Chevrolat 1877: 178
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- P. dichrocerum* Triplehorn 1962: 502
- Distribution.** Cuba. Endemic
- Cuba localities.** SS: Trinidad, Mina Carlota (t.l.)
- Collections.** Harvard (type)
- P. diophthalma* Laporte and Brullé 1831: 383; Jacquelin du Val 1857: 143; Gundlach 1891: 121
- Distribution.** Cuba, Isla Roatan, México to Panamá
- Cuba localities.** Gu: Yateras
- Collections.** Gundlach no. 1231
- P. excavatum* (Say) 1823: 267; Triplehorn 1965: 395
- Distribution.** Cuba, Hispaniola, Puerto Rico, Isla Roatan, Jamaica, México to Panamá, South America, widespread eastern USA
- Cuba localities.** Ci: Cienfuegos. Gu: Mts. N of Imias
- Collections.**
- P. flexuosum* Chevrolat 1877: 178
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- P. micans* Zimmerman, in Horn 1870: 383; Triplehorn 1965: 430
- Distribution.** Cuba, Jamaica, Hispaniola, México, Guyana, Brazil, se USA
- Cuba localities.** Ci: Cienfuegos
- Collections.**
- P. nigratum* (Motschoulsky) 1873: 478 (*Neomida*); Triplehorn 1965: 421
- Distribution.** Cuba, México, Belize to Costa Rica, USA (AZ-TX-AL-FL)
- Cuba localities.** CA: Baraguá. Ci: Cienfuegos
- Collections.**
- P. picicorne* (Fabricius) 1792: 498 (*Mycetophagus*); Jacquelin du Val 1857: 145
- Distribution.** Cuba, Hispaniola, Puerto Rico
- Cuba localities.**
- Collections.**
- P. punctacostriatum* Chevrolat 1877: 178
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- P. virens* Laporte and Brullé 1831: 391; Jacquelin du Val 1857: 144; Gundlach 1891: 122
- P. flavicorne* Chevrolat 1877: 170
- Distribution.** Cuba, Puerto Rico
- Cuba localities.**
- Collections.** Gundlach no. 1128
- Serrania Garrido 2003: 50.**
- S. viridula* (Zayas) 1988: 92 (*Diaperis*); Ivie 1991: 400; (misidentification); Garrido 2003: 50.
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Soledad. Ma: Cárdenas. PR: Sierra del Rangel. SC: El Cardero, Pico Turquino (t.l.). VC: Corralillo
- Collections.** Garrido. Zayas (type)
- Ulomoides Blackburn 1888: 274**
- U. ocularis* (Casey) 1891: 65 (*Palembus*); Triplehorn 1965: 388

**Distribution.** Cuba, Jamaica, Puerto Rico, Guadeloupe, Monserrat, St. Martin, Bahamas, USA (FL)

**Cuba localities.** Ha: Mariel (intercept on boat in Tampa, FL)

**Collections.** Washington

**SUBFAMILY HYPOPHLOEINAE**  
TRIBE HYPOPHLOEINI

**Corticeus Piller and Mitterpacher 1883: 87** (see Triplehorn 1979; 1990)

*C. rufipes* (Fabricius) 1801: 558; Marcuzzi 1962: 38 (*Hypophloeus*)

**Distribution.** Cuba, México to Brazil, Puerto Rico, Guadeloupe

**Cuba localities.** ? Cacarajicara

**Collections.** Utrecht

*C. tensicollis* Triplehorn 1979: 46

**Distribution.** Cuba, Hispaniola, Puerto Rico, USA (FL).

**Cuba localities.** Ci: Cayamas; Soledad. Gu: Upper Ovando River. SS: San Juan de los Remedios

**Collections.** Cambridge. New York. Washington

*C. tuberculatus* Triplehorn 1979: 48

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Columbus. Washington (type)

**SUBFAMILY TOXICINAE**  
TRIBE TOXICINI

**Wattius Kaszab 1982: 50**

*W. cucullatus* (Pascoe) 1871: 349 (*Calimnus*); Spilman 1961b: 127 (*Calymmus*)

*C. asperulus* Pascoe 1871: 350

**Distribution.** Cuba, México to Argentina

**Cuba localities.** Ca: Camaguëy. Ci: Cumanayagua. PR: Guanahacabibes

**Collections.** Washington. Zayas

**SUBFAMILY OPATRINAE**  
TRIBE OPATRINI

**Ammodonus Mulsant and Rey 1859: 143**

*A. tropicus* Kirsch 1866: 190

**Distribution.** Cuba, México to Brazil, Guadeloupe

**Cuba localities.**

**Collections.**

**Blapstinus Latreille 1829: 21**

*B. cubanus* Marcuzzi 1962: 33; Ardoin 1977b: 390

**Distribution.** Cuba. Bahamas

**Cuba localities.** Widespread

**Collections.** Amsterdam. London. Trieste (type)

*B. decui* Ardoin 1977b: 390

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Punta Pedernales (t.l.), under stones. SC; Siboney, at lights

**Collections.**

*B. fortis* LeConte 1878: 420; Marcuzzi 1962: 32

*Opatrinus punctulatus* Dejean, Jacquelin du Val 1857: 141; Gundlach 1891: 118

**Distribution.** Cuba, Bahamas, México to Panamá, USA (TX, FL)

**Cuba localities.** IJ: Punta Pedernales. PR: Pinar del Rio. SS: Cueva Colón; Cueva Grande de Caguanes

**Collections.** Gundlach no. 368 (*O. punctatulus*)

*B. punctatus* Fabricius 1792: 109; Marcuzzi 1962: 36

**Distribution.** Cuba, Puerto Rico, St. Thomas, St. John

**Cuba localities.** IJ: Los Indios

**Collections.** Munich. Pittsburgh

*B. puncticeps* Mulsant and Rey 1859: 118; Marcuzzi 1985: 184

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**Diastolinus Mulsant and Rey 1859: 138**

*D. alfaroi* Garrido and Gutierrez 1996: 228

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Sierra de la Conasta; Loma la Redonda (t.l.)

**Collections.** Havana

*D. armasi* Marcuzzi 1988: 72

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Santiago de Cuba, Arroyo de la Costa (t.l.)

**Collections.** Havana (Garrido, type)

*D. bielawskii* Marcuzzi 1985: 182

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata; Playa Larga (t.l.)

**Collections:** Warsaw (type)

*D. caguamensis* Marcuzzi 1988: 74

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Cayo Caguamas (t.l.)

**Collections.** Havana (Garrido, type)

- D. cubanus* Marcuzzi 1962: 30  
**Distribution.** Cuba. Endemic  
**Cuba localities.** "Cuba" (t.l.). SC: Siboney, at lights  
**Collections.** London (type)
- D. difficilis* Marcuzzi 1976: 126  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Sierra de Trinidad?  
**Collections.**
- D. dozieri* Marcuzzi 1965: 128  
**Distribution.** Cuba, Bahamas (Grand Turk)  
**Cuba localities.** Ho: Gibara  
**Collections.**
- D. fuscicornis* Chevrolat 1877: VIII; Garrido 2002: 38  
*D. elongatus* Marcuzzi 1976: 126  
**Distribution.** Cuba, Puerto Rico (Mona Island)  
**Cuba localities.**  
**Collections.**
- D. garciai* Marcuzzi 1988: 99  
**Distribution.** Cuba, Endemic  
**Cuba localities.** Gu: 30 km se Guantánamo; Tortuguilla (t.l.); Yacabo Abajo  
**Collections.** Havana (Garrido, type)
- D. garridoi* Marcuzzi 1988: 78  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Marianao (t.l.)  
**Collections.** Havana (Garrido, type)
- D. hernandezi* Marcuzzi 1988: 72  
**Distribution.** Cuba. Endemic  
**Cuba localities.** IJ: Sierra de Caballos (t.l.)  
**Collections.** Havana (Garrido, type)
- D. juraguensis* Marcuzzi 1988: 75  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Santiago de Cuba, Playa Juraguá (t.l.)  
**Collections.** Havana (Garrido, type)
- D. kaszabi* Marcuzzi 1976: 125  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Santa Maria del Mar  
**Collections.**
- D. macamboensis* Marcuzzi 1988: 77; Garrido and Gutierrez 1996: 226  
*D. garciai* Marcuzzi 1988: 79. Gu: Tortuguilla (t.l.)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Macambo (t.l.); Yacabo Abajo; 50 km E of Guantánamo  
**Collections.** Havana (Garrido, type)
- D. orientalis* Garrido and Gutierrez 1996: 226  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baitiquiri (t.l.); Cajobabo  
**Collections.** Havana
- D. puncticeps* Mulsant and Rey 1859: 180; Marcuzzi 1962: 30  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** London
- D. rufoclavatus* (Zayas) 1988: 91 (*Blapstinus*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua (t.l.). Ha: Havana, littoral litter  
**Collections.** Zayas (type)
- D. trinitatis* Marcuzzi 1976: 127  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Trinidad  
**Collections.**
- D. waterhousei* Mulsant and Rey 1859: 152  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- D. zayasi* Marcuzzi 1988: 75  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa, Yumurí; Guantánamo; Tortuguilla (t.l.); Meseta de Maisí, La Asuncion  
**Collections.** Havana (Garrido, type)

## TRIBE PLATYNOTINI

*Opatrinus* Latreille 1829: 19

- O. puertoricensis* Marcuzzi 1977: 23  
*O. p. armasi* Garrido and Gutierrez 1994a: 121; 1997a: 26; endemic subspecies in Cuba  
**Distribution.** Cuba, Jamaica, Puerto Rico. nominate subspecies in Puerto Rico  
**Cuba localities.** Ha: San Antonio de los Baños  
**Collections.** Havana (type)
- O. pullus* (Sahlberg) 1823: 16; Marcuzzi 1962: 32; Garrido and Gutierrez 1997a: 26  
**Distribution.** Cuba, Jamaica, Puerto Rico, México, Guatemala, Colombia, Venezuela  
**Cuba localities.** Widespread in Cuba  
**Collections.** Havana

## TRIBE LEICHENINI

*Leichenium* Blanchard 1845: 14

- L. canaliculatum variegatum* Klug 1833: 88; Spilman 1961b: 127  
**Distribution.** Cuba (introduced), Guadeloupe, se USA; native to Madagascar  
**Cuba localities.** PR: Guanahacabibes; Paredon de los Acosta  
**Collections.** Washington. Zayas



## SUBFAMILY TENEBRIONINAE

## TRIBE ULOMINI

***Uloa* Laporte 1840: 219***U. extraordinaria* Spilman 1961a: 113**Distribution.** Cuba. Endemic**Cuba localities.** SC: Gran Piedra; Pico Palma Mocha to Pico Joachin (t.l.); Piloto; Pico Turquino. ? Calas**Collections.** Washington (type)*U. moensis* Marcuzzi 2001: 286.**Distribution.** Cuba. Endemic.**Cuba localities.** Ho: Monte Ibenia (t.l.)**Collections.** Garrido. Genoa (type)

## TRIBE HELOPINI

***Nautes* Pascoe 1866: 475***N. asperipennis* Allard 1894: 259; Marcuzzi 1962: 39**Distribution.** Cuba. Endemic**Cuba localities.** Gr: Hormiguero**Collections.** Leiden?*N. azurescens* (Jacquelin du Val) 1857: 153 (*Helops*); Gundlach 1891: 124; Ardoin 1977b: 391**Distribution.** Cuba. Endemic**Cuba localities.** SC: Siboney, at lights**Collections.** Gundlach no. 1325*N. rufipes* Allard 1876: 5**Distribution.** Cuba. Endemic**Cuba localities.****Collections.*****Tarpela* Bates 1870: 272***T. cactivora* Zayas 1988: 105**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Imias (t.l.); feeding on cactus resin**Collections.** Zayas (type)*T. cuprosa* Zayas 1988: 106**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Cuchillas de Toa. Ho: Cupeyal; Moa. Type locality not given**Collections.** Zayas (type)*T. granulipennis* (Jacquelin du Val) 1857: 154 (*Helops*); Gundlach 1891: 125**Distribution.** Cuba. Endemic**Cuba localities.** Widespread**Collections.** Gundlach no. 1326

## TRIBE TRIBOLIINI

***Latheticus* Waterhouse 1880: 147***L. oryzae* Waterhouse 1880: 148. The longheaded flour beetle**Distribution.** Cuba, México, Argentina, Old World, USA (FL); in stored products**Cuba localities.****Collections.***(L. prosopis* Chittenden 1904: 167)**Distribution.** USA (FL), cosmopolitan**Cuba localities.****Collections.*****Lyphia* Mulsant and Rey 1859***(L. tetraphylla* Fairmaire 1856: 534)**Distribution.** USA (FL); cosmopolitan**Cuba localities.****Collections.*****Mycotrogus* Horn 1870: 367***M. paripunctatus* Spilman 1963: 23**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)***Orghidania* Ardoin 1977a: 383***O. torrei* Ardoin 1977a: 383**Distribution.** Cuba. Endemic**Cuba localities.** SS: Cueva Colón**Collections.*****Palorus* Mulsant 1854: 250***P. ratzeburgii* (Wissmann) 1848: 77. The smalleyed flour beetle**Distribution.** Cuba (introduced); spread by commerce, probably native to Africa; cosmopolitan**Cuba localities.****Collections.***P. foveicollis* Blair 1930: 133**Distribution.** Cuba (introduced); spread by commerce; cosmopolitan**Cuba localities.****Collections.*****Tribolium* McLeay 1825: 47***T. castaneum* (Herbst) 1797: 7. The red flour beetle  
*Uloa rubens* Laporte 1840: 220; Jacquelin du Val 1857: 150; Gundlach 1891: 114**Distribution.** Cuba (introduced), widespread West Indies, USA to Argentina, Old World; in stored products; cosmopolitan**Cuba localities.****Collections.***T. confusum* Jacquelin du Val 1868 181. The confused flour beetle

**Distribution.** Cuba (introduced), Jamaica, Hispaniola, Puerto Rico, México to Chile, USA, Old World; in stored products; cosmopolitan  
**Cuba localities.**  
**Collections.**

***Ulosonia* Laporte 1840: 220.**

*U. biimpresa* Latreille 1833: 17

**Distribution.** Cuba, Guadeloupe, Curaçao, Tres Marias Island, México to Colombia and Guiana  
**Cuba localities.**  
**Collections.**

*U. tricornis* (Dalman) 1823: 59; Jacquelin du Val 1857: 148; Gundlach 1891: 120 (*Hypogena*)

**Distribution.** Cuba, Tres Marias, Revillagigedo, Curaçao, Venezuela, México to Guatemala, USA (FL)  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 61

TRIBE ALPHITOBIIINI

***Alphitobius* Stephens 1832: 11**

*A. diaperinus* (Panzer) 1797: 16; Ardoin 1977: 383.  
 The lesser mealworm beetle

**Distribution.** Cuba, Jamaica, Puerto Rico, México, Trinidad, USA; spread by commerce; pest in many kinds of dried materials; cosmopolitan  
**Cuba localities.** Caves in Ha, SS, and VC, provinces; in dry guano  
**Collections.**

*A. laevigatus* (Fabricius) 1781: 90; Marcuzzi 1962: 38; Ardoin 1977b: 391. The black fungus beetle

*Heterophaga fagi* Curtis 1831: 303; Jacquelin du Val 1857: 147 (*Heterocera*); Gundlach 1891: 12

**Distribution.** Cuba, West Indies, México to Brazil, USA, Old World; in caves, stored products, chicken coops  
**Cuba localities.** Widespread. Caves in provinces of Gr, Ha, SC, SS, and VC; in bat guano  
**Collections.** Gundlach no. 73. Leiden?

TRIBE TENEBRIONINI

***Tenebrio* Linnaeus 1758: 417**

*T. molitor* Linnaeus 1758: 417. The yellow mealworm beetle

**Distribution.** Cuba, widespread West Indies, USA (FL); spread by commerce; in many kinds of stored products; cosmopolitan  
**Cuba localities.**  
**Collections.**

***Zophobas* Blanchard 1845: 15** (see Tschinkel 1984, Coleop. Bull. 38: 325-333)

*Z. atratus* (Fabricius) 1775: 256

*Z. rugipes* Kirsch 1866: 197; Marcuzzi 1962: 39; considered a separate and valid species in Cuba by Garrido and Gutierrez 1994b

*Z. cubanus* Marcuzzi 1976: 128. "Cuba." Budapest (type)

*Z. morio* (Fabricius) 1776: 241; Gundlach 1891: 117

**Distribution.** Cuba, México to Ecuador, Brazil, Puerto Rico, USA (CA-FL)

**Cuba localities.** Widespread, especially in caves in Gu and VC

**Collections.** Gundlach no. 264 (*Z. morio*). Leiden? Washington

TRIBE CENTRONOPINI

***Tauroceras* Hope 1840: 130**

*T. cornuta* Fabricius 1775: 256

**Distribution.** Cuba (introduced), widespread, cosmopolitan; stored products pest?

**Cuba localities.** Havana (Bruner 1951: 85)

**Collections.**

*T. mulata* Zayas 1988: 94

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Sierra Cubitas. Ha: La Havana. PR: Hato Nuevo (t.l.)

**Collections.** Zayas (type)

TRIBE AMARYGMINI

***Cymatothes* Solier 1848: 151**

*C. nebulosa* (Fabricius) 1781: 158

**Distribution.** Cuba, México to Argentina, Hispaniola, Guadeloupe, Martinique

**Cuba localities.**

**Collections.**

*C. tristis* (Laporte) 1840: 236 (*Pyanisia*); Jacquelin du Val 1857: 152; Gundlach 1891: 126; Ardoin 1977b: 391

**Distribution.** Cuba, Puerto Rico, Guadeloupe, México to Panamá, USA (AL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 428. Pittsburgh

*C. undata* (Fabricius) 1792: 122

**Distribution.** Cuba, Hispaniola, Lesser Antilles, México to Panamá, to Brazil and Argentina

**Cuba localities.**

**Collections.**

**SUBFAMILY ALLECULINAE**

The comb-clawed bark beetles

This group has traditionally been treated as a separate family but modern study shows that it is a unit within the Tenebrionidae. Adults are usually found by beating vegetation, at lights, or on tree trunks at night.

TRIBE ALLECULINI  
SUBTRIBE ALLECULINA

***Hymenorous* Mulsant 1851: 201***H. bahamensis* Campbell 1971: 88**Distribution.** Cuba, Bahamas**Cuba localities.** Ci: Soledad. Gu: Guantánamo. Ha: Havana; Sierra de Anafe. M: Peninsula de Zapata. PR: Pinar del Rio: ? Pedrera de Mendoza**Collections.** Cambridge. Gainesville. Ottawa. Zayas*H. convexus* Casey 1891: 106; Campbell 1971: 72**Distribution.** Cuba, Bahamas, USA (s FL)**Cuba localities.** Gu: Baracoa. Ha: Jibacoa. M: Peninsula de Zapata. SC: Ciudadamar.**Collections.** Champaign. Ottawa. Washington. Zayas*H. cubensis* Campbell 1971: 81**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.). Gu: Upper Ovando River**Collections.** Harvard (type). Ottawa*H. darlingtoni* Campbell 1971: 83**Distribution.** Cuba. Endemic**Cuba localities.** SS: Buenos Aires (t.l.); Trinidad**Collections.** Harvard (type)*H. farri* Campbell 1971: 84**Distribution.** Cuba, Cayman Islands, Jamaica**Cuba localities.** Ci: Cayamas. M: Peninsula de Zapata**Collections.** Ottawa. Washington. Zayas*H. sparsepunctatus* Campbell 1971: 97**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)***Lobopoda* Solier 1835: 233***L. (Flavipoda) badius* Campbell 1971: 31**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.). SS: Trinidad, SS: Buenos Aires; San Blas**Collections.** Harvard (type). Ottawa. Zayas*L. (F.) bicolor* Campbell 1966: 28; 1971: 31**Distribution.** Cuba. Endemic**Cuba localities.** PR: Pan de Guajaibon (t.l.)**Collections.** Urbana (type)*L. (F.) cayamasensis* Campbell 1966: 33**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)*L. (F.) emarginata* Campbell 1966: 32**Distribution.** Cuba. Endemic**Cuba localities.** SC: Punta Turquino (t.l.)**Collections.** Miami (type)*L. (F.) flavifemoralis* Campbell 1966: 29; 1971: 30**Distribution.** Cuba. Endemic**Cuba localities.** SC: Florida Blanca; Alto Songo (t.l.); Pico Turquino**Collections.** Cambridge. Urbana (type)*L. (F.) flavipes* (Jacquelin du Val) 1857: 157 (*Allecula*); Gundlach 1891: 123; Campbell 1966: 25; 1971: 27**Distribution.** Cuba. Endemic**Cuba localities.** Widespread**Collections.** Cambridge. Champaign. Gundlach no. 519. New York. Ottawa. Washington*L. (F.) quadrinotata* Campbell 1971: 28**Distribution.** Cuba. Endemic**Cuba localities.** CA: Baraguá (t.l.). Ci: California; Cumanayagua. Gu: Imias; S. de Cubitas, Pardones**Collections.** Harvard (type). Ottawa. Zayas*L. (F.) schwarzi* Campbell 1971: 29**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)*L. (F.) tibiodentata* Campbell 1966: 30; 1971: 36**Distribution.** Cuba. Endemic**Cuba localities.** Widespread**Collections.** Helsinki. New York. Ottawa. Washington (type). Zayas*L. (F.) villasensis* Campbell 1971: 35**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Soledad (t.l.). SS: Trinidad, Yaguanabo**Collections.** Harvard (type). Zayas*L. (Lobopoda) alutacea* Campbell 1971: 58**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Ottawa. Washington (type)*L. (L.) cubensis* Campbell 1966: 157**Distribution.** Cuba. Endemic**Cuba localities.** (locality unknown)**Collections.** Munich (type)*L. (L.) distans* Campbell 1971: 48**Distribution.** Cuba. Endemic

- Cuba localities.** SC: Loma del Gato (t.l.)  
**Collections.** Harvard (type)  
*L. (L.) fallaciosa* Campbell 1971: 49  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas; Soledad (t.l.).  
 Gu: Guantánamo  
**Collections.** Gainesville. Harvard (type). Ot-  
 tawa. Washington  
*L. (L.) paracornis* Campbell 1971: 53  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Harvard (type). Ottawa. Zayas  
*L. (L.) paracollis* Campbell 1971: 55  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mts. N. of Imias (t.l.).  
 SC: Gran Piedra; Loma del Gato  
**Collections.** Harvard (type). Ottawa. Zayas  
*L. (L.) polita* Campbell 1971: 52  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Harvard (type)  
*L. (L.) sulcaticollis* Pic 1933: 1; Campbell 1966:  
 163; 1971: 57  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Monte Imias. Ci: Soledad.  
 SC: Vequitas  
**Collections.** Brussels (type). Cambridge. Ot-  
 tawa. Washington
- SUBFAMILY COELOMETOPINAE**  
**TRIBE COELOMETOPINI**
- Apsida* Lacordaire 1859: 309**  
*A. cubanensis* Kulzer 1961: 217  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Playa Mariano (t.l.). PR:  
 Sierra de Rosario  
**Collections.** Basel (type)
- Cyrtosoma* Perty 1830: 59**  
*C. cristalensis* (Zayas) 1988: 99 (*Cnodalon*);  
 Marcuzzi 1998: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)  
*C. cuprosa* (Zayas) 1988: 98 (*Cnodalon*); Marcuzzi  
 1998: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: La Siberia. SC: Pico  
 Turquino.. Type locality not given  
**Collections.** Zayas (type)  
*C. elongatus* (Zayas) 1988: 101 (*Cnodalon*);  
 Marcuzzi 1998: 160  
**Distribution.** Cuba. Endemic
- Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (type)  
*C. ferruginea* Garrido and Gutierrez 1996: 282  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa (t.l.); Punta de  
 Maisí  
**Collections.** Havana  
*C. gebieni* Marcuzzi 1976: 139  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Cordillera de los  
 Organos, Sitio del Infierno (t.l.)  
**Collections.** Basel (type)  
*C. gundlachi* Marcuzzi 1998: 160 (replacement  
 name for *Cnodalon inflatum* Zayas 1988: 101)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (type)  
*C. inflatum* Marcuzzi 1976: 138  
**Distribution.** Cuba. Endemic  
**Cuba localities.** “Cuba” (t.l.)  
**Collections.** Budapest. London  
*C. iviei* Marcuzzi 1998: 160 (replacement name for  
*Cnodalon trinitatis* Zayas 1988: 102)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Lomas de Trinidad (t.l.);  
 Pico de Potrerillo  
**Collections.** Zayas (type)  
*C. parallelus* (Zayas) 1988: 96 (*Cnodalon*); Marcuzzi  
 1998: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (type)  
*C. punctatum* (Zayas) 1988: 103 (*Cnodalon*);  
 Marcuzzi 1998: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rancho Mundito (t.l.)  
**Collections.** Zayas (type)  
*C. tumefactum* Marcuzzi 1976: 138  
**Distribution.** Cuba. Endemic  
**Cuba localities.** “Cuba” (t.l.)  
**Collections.**  
*C. turquinensis* (Zayas) 1988: 96 (*Cnodalon*);  
 Marcuzzi 1998: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato; Pico  
 Turquino (t.l.)  
**Collections.** Zayas (type)  
*C. zayasi* Marcuzzi 1998: 160 (replacement name  
 for *Cnodalon tumefactum* Zayas 1988: 95)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (type)



## TRIBE TALANINI

**Talanus** Mäklin 1878: 96

*T. cribrarius* Jaquelin du Val 1857: 156; Gundlach 1891: 125

**Distribution.** Cuba, Grenada

**Cuba localities.** M: Colón

**Collections.** Gundlach no. 1099

## TRIBE STRONGYLIINI

**Strongylium** Kirby 1818: 417

*S. amethystinum* Guérin-Méneville in Chevrolat 1838: 281; Jacquelin du Val 1857: 155; Gundlach 1891: 125 (*Stenochia amethystina*); Marcuzzi 1962: 39

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 107. Leiden?

*S. antennale* Mäklin 1864: 162

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo

**Collections.**

*S. azureum* Germar 1824: 153

**Distribution.** Cuba, Brazil, Bolivia

**Cuba localities.**

**Collections.**

*S. basiclavus* Zayas 1988: 110

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras (t.l.). Ho: Cupeyal

**Collections.** Zayas (type)

*S. cupeyal* Zayas 1988: 110

**Distribution.** Cuba Endemic

**Cuba localities.** Ho: Cupeyal (t.l.)

**Collections.** Zayas (type)

*S. eximium* Mäklin 1862: 161

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*S. nigra* Zayas 1988: 110

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal; Moa. Type locality not given

**Collections.** Zayas (type)

*S. preciosus* Zayas 1988: 108

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Guanahacabibes; Viñales. Type locality not given

**Collections.** Zayas (type)

*S. turquinensis* Zayas 1988: 107

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*S. venusta* Zayas 1988: 109

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de las Vegas (t.l.)

**Collections.** Zayas (type)

*S. virescens* Zayas 1988: 110

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

## REFERENCES

- Aalbu, R.L., C. A. Triplehorn, J.M. Campbell, K.W. Brown, R.E.Somerby, and D. B. Thomas. 2002.v 106 Tenebrionidae. Pp. 463-509. In: Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank (eds.). American beetles, Polyphaga: Scarabaeoidea through Curculionidea. Vol. 2. CRC Press, Boca Raton, FL. 861 pp.
- Ardoin, P. 1977a. Tenebrionidae (Coleoptera) récoltés en 1969 dans les grottes de Cuba par l'expédition biospéologiques Cubano-Roumaine a Cuba. Résultats des expéditions biospéologique Cubano-Roumaines à Cuba 2: 382-385.
- Ardoin, P. 1977b. Tenebrionidae (Coleoptera) récoltés par la deuxième expédition biospéologiques Cubano-Roumaine à Cuba (1973). Résultats des expéditions biospéologiques Cubano-Roumaine a Cuba 2: 387-392.
- Ardoin, P. 1977c. Contribution a l'étude des espèces Américaines du genre *Doliema* Pascoe (Col. Tenebrionidae). Annls. Soc. Ent. France (n.s.) 13: 1-20.
- Campbell, J.M. 1966. A revision of the genus *Lobopoda* (Coleoptera: Alleculidae) in North America and the West Indies. Illinois Biol. Monog. 37, 203 pp.
- Campbell, J.M. 1971. A revision of the Alleculidae (Coleoptera) of the West Indies. Mem. Ent. Soc. Can. 81, 140 pp.
- Garrido, O.H. 2002. El género *Diastolinus* (Coleoptera: Tenebrionidae: Pedinini) en Puerto Rico, con la designación de un nombre nuevo para *D. elongatus*. Soleonodon 2: 38-41.
- Garrido, O.H. 2003. *Diaperis viridula* (Coleoptera: Tenebrionidae: Diaperini) es un táxon válido que representa un género nuevo para Cuba. Solenodon 3: 49-52.
- Garrido, O.H. and E. Gutierrez. 1994a. A new species of *Opatrinus* (Coleoptera: Pedinini: Tenebrionidae) from Cuba. Insecta Mundi 8: 121-124.

- Garrido, O.H. and E. Gutierrez.** 1994b. Variability of *Zophobas rugipes* Kirsch (Coleoptera: Tenebrionidae) in Cuba. *Insecta Mundi* 8: 243-249.
- Garrido, O.H. and E. Gutierrez.** 1995a. Nueva especie de *Loxostethus* (Coleoptera: Tenebrionidae: Diaperini) para Cuba. *Insecta Mundi* 9: 7-10.
- Garrido, O.H. and E. Gutierrez.** 1995b. Nueva especie de *Trientoma* (Coleoptera: Tenebrionidae: Trientomini) para Cuba con consideraciones sobre otras especies. *Insecta Mundi* 9: 47-49.
- Garrido, O.H. and E. Gutiérrez.** 1996. Consideraciones sobre el género *Diastolinus* (Coleoptera: Tenebrionidae: Pedinini) en Cuba, con descripción de dos nuevas especies. *Insecta Mundi* 10: 225-229.
- Garrido, O. and E. Gutiérrez.** 1997a. Consideraciones sobre el género *Opatrinus* (Coleoptera: Tenebrionidae: Pedinini) en Cuba, Puerto Rico, y Jamaica. *Insecta Mundi* 11: 25-27.
- Garrido, O. and E. Gutiérrez.** 1997b. Revision del género endemico cubano *Trimytantron* (Coleoptera: Tenebrionidae: Trimytini), con la descripción de ocho nuevas especies. *Insecta Mundi* 11: 29-41.
- Ivie, M. A.** 1991. Taxonomic notes on a little known publication: Zayas, 1988, *Entomofauna Cubana*. Order Coleoptera. *Coleop. Bull.* 45: 399-401.
- Kaszab, A.** 1977. Neue Tenebrioniden (Coleoptera) von den Galapagos und Antillen, sowie aus Südamerika und Ostasien. *Annales Historico-Naturales Musei Nationalis Hungarici* 69: 117-131.
- Kulzer, H.** 1961. Neue Tenebrioniden aus Südamerika (Col.). *Ent. Arb. Museum Frey* 12: 205-235.
- La Rosa, J. and L.L. Vázquez.** 1987. Distribucion, danos y lucha contra los principales insectos de los productos vegetales almacenados en Cuba. En Resúmenes Primer seminario Científico internacional de Sanidad vegetal, Septiembre 1987 (not seen).
- Marcuzzi, G.** 1962. Tenebrionid beetles of the West Indies. *Stud. Fauna Curaçao Carib. Islands*. No. 57. 12: 21-48.
- Marcuzzi, G.** 1976. New species of Neotropical Tenebrionidae (Coleoptera). *Ann. Hist. Nat. Mus. Natn. Hung.* 68: 117-139.
- Marcuzzi, G.** 2001. New species of tenebrionid beetles from Central and South America (Col. Heteromera). *Annali Mus. Civico Storia Naturale "Giacomo Doria" (Genoa)*. 93: 269-291.
- Marcuzzi, G.** 1984. A catalogue of Tenebrionidae beetles (Coleoptera: Heteromera) of the West Indies. *Folia Ent. Hungarica* 45(1): 69-108.
- Marcuzzi, G.** 1985. New taxa of Neotropical Tenebrionidae (Coleoptera). *Ann. Hist.-Nat. Mus. Nat. Hung.* 77: 171-186.
- Marcuzzi, G.** 1988. New species of *Trientoma* and *Diastolinus* (Coleoptera: Tenebrionidae) from Cuba. *Annali. Mus. Civico Storia Naturale "Giacomo Doria" (Genova)* 87: 67-83.
- Marcuzzi, G.** 1998. Supplement to the catalogue of Tenebrionidae (Coleoptera) of the West Indies. *Ann. Hist.-Natur. Musei Nat. Hung.* 90: 151-162.
- Peck, S.B., Ruiz-Baliú, A.E., and Garcés González, G.F.** 1998. The cave-inhabiting beetles of Cuba (Insecta: Coleoptera): diversity, distribution, and ecology. *J. Cave Karst Studies* 60: 156-166.
- Spilman, T. J.** 1961a. *Uloma extraordinaria*, a new species from Cuba (Tenebrionidae). *Coleop. Bull.* 15: 113-115.
- Spilman, T. J.** 1961b. A few tenebrionids new to Cuba. *Coleop. Bull.* 15: 127.
- Spilman, T. J.** 1963. The American genus *Mycotrogus*: a synopsis, a new species from Cuba, and a note on a larva. *Proc. Ent. Soc. Washington* 65: 21-30.
- Triplehorn, C.** 1962. New Diaperini (Coleoptera: Tenebrionidae) from the West Indies. *Ann. Ent. Soc. Am.* 55(5): 502-507.
- Triplehorn, C.** 1965. Revision of Diaperini of America North of México with notes on extralimital species (Coleoptera: Tenebrionidae). *Proc. U.S. Nat. Mus.* 117(3515): 349-358.
- Triplehorn, C.A.** 1979. Two new species of *Corticeus* from Florida and the West Indies (Coleoptera: Tenebrionidae). *Proc. Ent. Soc. Wash.* 81: 46-50.
- Triplehorn, C. A.** 1990. Review of the genus *Corticeus* (Coleoptera: Tenebrionidae) of America north of México. *Ann. Ent. Soc. Am.* 83: 287-306.
- Triplehorn, C.A.** 1991. A review of the genus *Phaleria* Latreille from the Western Hemisphere (Coleoptera: Tenebrionidae: Phalerinae). *Coleop. Bull.* 45: 258-270.
- Triplehorn, C. A. and O. Merkl.** 1997. Review of the genus *Loxostethus* Triplehorn, with descriptions of three new species (Coleoptera: Tenebrionidae; Diaperini.). *Ann. Ent. Soc. Am.* 90: 736-741.

**Triplehorn, C.A. and L.E. Watrous.** 1979. A synopsis of the genus *Phaleria* in the United States and Baja California (Coleoptera: Tenebrionidae). Coleop. Bull. 33: 275-295.

**Vasquez, M.L.L.** 1986. Plagas de almacen en Cuba. Coleoptera (Cleridae, Trogossitidae, Dermestidae, Bostrichidae, Anobiidae, Nitidulidae, Cucujidae, Silvanidae, Mycetophagidae, Tenebrionidae). Rev. Centro Agrícola 13(2): 44-48.

**Watrous, L.E. and C.A. Triplehorn.** 1982. *Phaleria* of the West Indies and Circumcaribbean region (Coleoptera: Tenebrionidae). Coleop. Bull. 36: 12-21.

#### 141. FAMILY PROSTOMIDAE

The family contains *Dryocora* of New Zealand and Australia, and widespread *Prostomis*. The family is probably absent from the West Indies.

#### 142. FAMILY SYNCHROIDAE

The family contains *Synchroa* of North America and Asia, and *Mallodrya* of North America. The family is probably absent from the West Indies.

#### 143. FAMILY OEDEMERIDAE

The false blister beetles

Adults are often brightly colored and on flowers, feeding on pollen and nectar, and most abundant on oceanic coastlines. Larvae live in moist rotted wood, including driftwood. Arnett (1984) is a summary of the oedemerid fauna of Florida and the principal reference for this section. That paper may include species yet to be found in Cuba. Arnett (1961) is a key to the genera of the New World.

#### SUBFAMILY NACERDINAE

##### ***Nacertes* Dejean 1834: 228**

(*N. melanura* (Linnaeus) 1758: 403; Arnett 1984: 2). The wharf borer

**Distribution.** Bahamas, México to Argentina, widespread USA; introduced from Europe. This species damages pilings and ship timbers, and breeds in drift wood in fresh and marine waters

**Cuba localities.**

**Collections.**

#### SUBFAMILY OEDEMERINAE

##### TRIBE ASCLERINI

##### ***Asclera* Stephens 1839: 336**

*A. latior* Pic 1923: 32

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

##### ***Hypasclera* Kirsch 1866: 210**

*H. costata* (Champion) 1896: 40; Arnett 1984: 3

**Distribution.** Cuba, Jamaica, Hispaniola, St. Vincent, México to Panamá; seemingly not established in the USA

**Cuba localities.**

**Collections.**

*H. dorsalis* (Melsheimer) 1846: 55; Arnett 1984: 3

**Distribution.** Cuba, Bahamas, México, USA (TX-NY-FL)

**Cuba localities.**

**Collections.**

##### ***Oxaxis* LeConte 1866: 165**

*O. laeta* (Waterhouse) 1878: 306; Arnett 1984: 3

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Croix, USA (FL)

**Cuba localities.**

**Collections.**

##### ***Oxycopis* Arnett 1951: 318**

(*O. falli* (Blatchley) 1928: 63 (*Oxaxis*); Arnett 1984: 2)

**Distribution.** Bahamas, Hispaniola, Cayman Islands, USA (south FL)

**Cuba localities.**

**Collections.**

*O. mcdonaldi* (Arnett) 1951: 328; Arnett 1984: 2

**Distribution.** Cuba, Grand Cayman, Bimini, USA (FL)

**Cuba localities.**

**Collections.**

*O. testaceicollis* (Jacquelin du Val) 1857: 158 (*Asclera*); Gundlach 1891: 126

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.**

*O. thonalmus* (Darlington) 1936: 102 (*Copidita*)

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Janorú (Jaronú) (t.l.). SS: Buenos Aires

**Collections.** Cambridge (type)

**Notes.** This species seems to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 689)

*O. vittata* Fabricius 1775: 125; Leng and Mutchler 1914: 466; Arnett 1984: 2

**Distribution.** Cuba, Jamaica, Puerto Rico, Vieques, Guadeloupe, Virgin Islands, Bahamas, USA (FL)

**Cuba localities.****Collections.**

## REFERENCES

- Arnett, R. H., Jr.** 1961. Contribution toward a monograph of the Oedemeridae. 14. A key to and notes on the New World genera. *Coleop. Bull.* 15: 49-64.
- Arnett, R. H., Jr.** 1984. The false blister beetles of Florida (Coleoptera, Oedemeridae). *Florida Dept. Agric. Cons. Serv., Entomol. Circ.* 259: 1-4.
- Darlington, P. J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. *Trans. R. Ent. Soc. London* 87: 681-695.

**144. FAMILY STENOTRACHELIDAE**

This family is Holarctic in cool temperate habitats, and the larvae live in rotten and often moss covered logs.

**145. FAMILY MELOIDAE**

The blister beetles

Reviewed by John Pinto, March, 1999.

Adults are usually found feeding on leaves or on flowers and some phytophagous species may cause crop damage. Larvae feed on grasshopper eggs, or eggs and food stores of bee nests. Genaro (1996) gives a key to the Cuban species, as well as data on habits and distribution.

**SUBFAMILY TETRAONYCINAE****TRIBE TETRAONYCHINI*****Tetraonyx* Latreille 1805: 204**

*T. cruciata* Castelnau 1840: 277; Selander and Bouseman 1960: 210; Genaro 1996: 383

*T. cubensis* Chevrolat 1858: 210 (sic *Tetraomyx*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Cambridge. Havana. Washington

*T. maestra* Selander and Bouseman 1960: 211; Genaro 1996: 384

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yunque de Baracoa. Ho: Sierra Cristal, Moa; Nicaro. SC: Gran Piedra; Loma del Gato; Pico Turquino (t.l.)

**Collections.** Cambridge (type). Havana

*T. quadrimaculata* (Fabricius) 1792: 50 (*Apalus*); Selander and Bouseman 1960: 205; Genaro 1996: 384

*Mylabris ruficollis* Olivier 1795: 14

**Distribution.** Cuba. Hispaniola, Puerto Rico, Lesser Antilles, Trinidad, s USA

**Cuba localities.** Gu: Baracoa. ? Nibujón

**Collections.** Havana

**SUBFAMILY NEMOGNATHINAE****TRIBE HORIINI*****Cissites* Latreille 1804: 154**

*C. maculata* Swederus 1887: 196; Selander and Bouseman 1960: 212; Genaro 1996: 384

**Distribution.** Cuba, Hispaniola, Puerto Rico, Lesser Antilles, México, Central America, South America; endoparasitic on *Xylocopa* carpenter bees, *X. cubaecola* Lucas in Cuba

**Cuba localities.** Widespread

**Collections.** Havana. Zayas

**TRIBE NEMOGNATHINI*****Nemognatha* Illiger 1807: 333**

*N. occupata* (Blackwelder) 1945: 481 (*Zonitis*); Selander and Bouseman 1960: 220; Genaro 1996: 385

*N. cubaecola* Jacquelin du Val 1857: 161; Gundlach 1891: 258

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha; Santiado de las Vegas; San Nicolás de Bari; Ceiba del Agua. Gu: Guantánamo; San German. M: Cárdenas. SS: Trinidad

**Collections.** Gundlach no. 1322. Havana. Washington

*N. punctulata* LeConte 1853: 347; Selander and Bouseman 1960: 222, 1961: 191; Genaro 1996: 385

**Distribution.** Cuba, Bahamas, Cayman Islands, Jamaica, se USA

**Cuba localities.** Widespread in Cuba. Larvae develop in nests of *Megachile poeyi* and *M. singularis* leaf-cutting bees. It is the most frequently collected meloid in Cuba

**Collections.** Champaign. Havana. Washington

***Pseudozonitis* Dillon 1952: 181**

*P. marginata* (Fabricius) 1781: 159; Selander and Bouseman 1960: 214; Genaro 1996: 385

**Distribution.** Cuba, Bahamas, Jamaica, Hispaniola, Puerto Rico, St. Croix, Lesser Antilles

**Cuba localities.** Widespread

**Collections.** Havana. Zayas



## REFERENCES

- Genaro, J.A.** 1996. Resumen del conocimiento sobre las meloides de Cuba (Insecta: Coleoptera). *Carib. J. Sci.* 32: 382-386.
- Selander, R.B. and J.K. Bouseman.** 1960. Meloid beetles (Coleoptera) of the West Indies. *Proc. U.S. National Museum* 111: 197-226.
- Selander, R.B. and J.K. Bouseman.** 1961. Supplementary records of meloid beetles (Coleoptera) of the West Indies. *Ent. News* 73: 190-191.

## 146. MYCTERIDAE

The palm and flower beetles

This family occurs in North America, Eurasia, and North Africa, and the tropics. These probably occur in Cuba in leaf axils of palms.

## SUBFAMILY LACCONOTINAE

***Conomorpha* Champion 1889: 98**

*C. sp.*

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

## SUBFAMILY HEMIPEPLINAE

***Hemipeplus* Berthold 1827: 384**

*H. marginipennis* (LeConte) 1854: 79 (*Nemicellus*); Pollock 1999: 57

[*H. microphthalmus* (Schwarz) 1878: 360 (*Nemicellus*); as synonym (Blackwelder 1945: 423); not in Cuba

**Distribution.** Cuba, Bahamas, Mexico, USA (FL, GA)

**Cuba localities.** Ci: Cayamas. Gu: Guantánamo

**Collections.** Gainesville. Washington

*H. longiscapus* Pollock 1999: 61

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*H. glabratus* Pollock 1999: 61

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Gainesville. Pollock. Washington (type)

***Holopeplus* Arrow 1930: 230**

*H. gundlachi* (Grouvelle) 1878: XLIV (*Hemipeplus*); Pollock 1999: 56

*H. cubensis* Arrow 1930: 230

**Distribution.** Cuba, Bahamas

**Cuba localities.** Ci: Cayamas. Ho

**Collections.** London. Paris (type, Grouvelle colln.). Washington

## REFERENCES

- Pollock, D. A.** 1999. Review of the New World Hemipeplinae (Coleoptera: Mycteridae) with descriptions of ten new species. *Ent. Scand.* 30: 47-73.

## 147. FAMILY BORIDAE

This family occurs only in the Holarctic region. Larvae live under the bark of decaying conifers.

## 148. FAMILY TRICTENOTOMIDAE

This family occurs only in Asia and the East Indies. The larvae probably live in rotten wood.

## 149. FAMILY PYTHIDAE

This family occurs in North, Central, and South America, but is not known from the West Indies. The larvae feed under rotten bark.

## 150. FAMILY PYROCHROIDAE

The fire-colored beetles

This family occurs in North America, and has a species apiece in French Guiana and Chile. It is apparently absent from México, Central America, and the West Indies. Adults are short-lived and may be collected at lights. The larvae occur under bark.

## 151. FAMILY SALPINGIDAE

The narrow-waisted bark beetles

The larvae of most species occur under bark, in decaying wood, or leaf axils.

## SUBFAMILY DACODERINAE

***Dacoderus* LeConte 1858: 74**

*D. dominicensis* Horn 1874: 219

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

## 152. FAMILY ANTHICIDAE

The ant-like flower beetles

Reviewed by D. Chandler, March, 2001  
Adults occur on vegetation and in leaf litter. They are predators or scavengers. Many species in this family were described by LaFerté-Sénéctère and the correct publication dates are discussed in Chandler (1999).

## SUBFAMILY MACRATRIINAE

**Macratia Newman 1838: 377**

- M. insularis* (Laferté-Sénéctère) 1848: 17 (*Macrarthrus*); Jacquelin du Val 1857: 159; Gundlach 1891: 259 (*Macrarthrius*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa. M: Cárdenas  
**Collections.** Gundlach no. 757

## SUBFAMILY ANTHICINAE

## TRIBE ANTHICINI

**Acanthinus Laferté-Sénéctère 1849: 5**

- A. albicinctus* (Laferté-Sénéctère) 1849: 10; Werner 1970c: 860  
**Distribution.** Cuba, e Mexico to Venezuela  
**Cuba localities.**  
**Collections.**
- A. angusticollis* (Laferté-Sénéctère) 1849: 19; Werner 1966: 747; 1983b: 231  
**Distribution.** Cuba, Jamaica, Colombia to Argentina  
**Cuba localities.** Ca: Camaguey. Ci: Cayamas; Santa Clara. Ha: Havana. PR: Bahia Honda  
**Collections.** Washington
- A. concinnus* (Laferté-Sénéctère) 1849: 14; Werner 1970a: 123; 1983b: 231  
**Distribution.** Cuba, Hispaniola, e México to Trinidad, Bolivia and Brazil  
**Cuba localities.** Intercept on ship from Cuba (dead at light)  
**Collections.** Washington
- A. ebeninus* (Laferté-Sénéctère) 1849:16; Werner 1970a: 119; 1983b: 231  
*Pseudoleptaleus cubanensis* Pic 1917: 8  
*Leptaleus cubaensis* Blackwelder 1945: 433  
**Distribution.** Cuba, Guatemala, Venezuela, Colombia  
**Cuba localities.**  
**Collections.**
- A. quinque maculatus* (Laferté-Sénéctère) 1849:14; Werner 1970a: 121  
**Distribution.** Cuba, Puerto Rico, Trinidad, Ecuador, e Mexico to Brazil  
**Cuba localities.** Gu: Sabanilla  
**Collections.**
- A. schwarzi* Werner 1967c: 1232; 1983b: 232  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.); Soledad. PR: Pinar del Rio  
**Collections.** Washington (type)
- A. scitulus* (LeConte) 1852: 94; Werner 1970b: 724  
*Formicilla cubana* Pic 1944: 9

*Formicilla gracillipes* (sic) Buck 1960: 64 Cuban specimens in part

- Distribution.** Cuba, Hispaniola, Cayman Islands, Venezuela, Honduras, Panama, s USA  
**Cuba localities.** PR: Pinar del Rio  
**Collections.**
- A. septemnotatus* (Laferté-Sénéctère) in Champion 1890: 227  
**Distribution.** Cuba, s Mexico to Brazil  
**Cuba localities.**  
**Collections.**

**Anthicus Paykull 1798: 253**

- A. antilleorum* Werner 1983b: 218  
**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, Virgin Islands  
**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. Gu: Imias Mts., California.  
**Collections.** Cambridge. Champaign. Washington
- A. blackwelderi* Werner 1983b: 219  
**Distribution.** Cuba, Jamaica, Hispaniola  
**Cuba localities.** Ci: Soledad. SC: coast below Pico Turquino  
**Collections.** Cambridge
- A. cubanus* Pic 1944: 7  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- [*A. lesnei* Pic 1899: 30]  
**Distribution.** "West Indies" is an error, from "Indies occidental" (India or Sumatra)
- A. macgillavryi* Buck 1960: 69; Werner 1983b: 226  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá. Ci: Cayamas. ?Limonas  
**Collections.** Cambridge
- A. soledad* Werner 1983b: 225  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Ci: Soledad (t.l.)  
**Collections.** Cambridge (type)
- A. subtilis* Laferté-Sénéctère 1849: 34; Werner 1983b: 222  
**Distribution.** Cuba, Hispaniola, Venezuela  
**Cuba localities.** Ci: Soledad. SC: Loma del Gato  
**Collections.** Cambridge
- Cyclodinus Mulsant and Rey 1866: 77**  
(*C. texanus* (Laferté-Sénéctère) 1849: 301  
**Distribution.** Cayman Islands, Hispaniola, Puerto Rico, ne México, USA (MA-FL-TX)  
**Cuba localities.**  
**Collections.**

**Omonadus Mulsant and Rey 1866: 104**

*O. floralis* (Linnaeus) 1758: 420 (*Anthicus*); Jacquelin du Val 1857: 160; Gundlach 1891: 259 (*Anthicus*); Werner 1964: 233 (*Anthicus*).  
The narrow-necked grain beetle

**Distribution.** Cuba (introduced), Jamaica, Puerto Rico, México to Chile, Guadeloupe to Grenada, Canada (BC), USA (CA-ME-FL); cosmopolitan; native to the Old World; in stored grain and dried fruit, and lawn and leaf clippings

**Cuba localities.** Widespread

**Collections.** Gundlach no. 109

(*O. formicarius* (Goeze) 1777: 706); Werner 1964: 234 (*Anthicus*)

**Distribution.** Jamaica, Tobago, Mexico, Panama, Canada (BC), USA (CA-ME-FL); introduced; cosmopolitan; native to the Old World

**Cuba localities.**

**Collections.**

**Sapintus Casey 1895: 732**

*S. pallidus* (Say) 1826: 245 (*Anthicus*); Werner 1964: 230; 1983b: 233 (*Anthicus*)

**Distribution.** Cuba, Hispaniola, Puerto Rico, Grenada, Guadeloupe, Dominica, México to Panamá, Venezuela, USA (TX, MS, AL, FL)

**Cuba localities.** Gu: Maisi

**Collections.**

*S. teapensis* (Champion) 1890: 249 (*Anthicus*); Werner 1983a: 424; 1983b: 233

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Virgin Islands, Guadeloupe, México to Brazil

**Cuba localities.** Ci: Cayamas. Gu: Baracoa. PR: Viñales

**Collections.**

**Stricticomus Pic 1894: 42**

*S. tobias* (Marseul) 1879: 125 (*Anthicus*); Werner 1983b 233: (*Anthicus*)

**Distribution.** Cuba (introduced), Jamaica, Cayman Islands, Puerto Rico, Virgin Islands, Dominica, Guadeloupe, México, Panamá, USA (CA-OR-NH-FL); cosmopolitan

**Cuba localities.**

**Collections.**

**Vacusus Casey 1895: 674**

*V. vicinus* (Laferté-Sénéctère) 1849: 56; Werner 1961: 799; 1983b: 234

**Distribution.** Cuba (introduced?), Hispaniola, Jamaica, Puerto Rico, Virgin Islands,

Guadeloupe, México-Panamá, Venezuela, USA (CA-MO-NC-FL)

**Cuba localities.** Ca: Camaguey. CA: Baraguá; Manicaragua. Ci: Cayamas; Soledad. Ha: Havana. SS: Jatibonica

**Collections.** Cambridge

## REFERENCES

- Buck, F. D.** 1960. Anthicid beetles from Venezuela, Colombia, Cuba, and the Netherlands Antilles. Studies on the fauna of Curaçao and other Caribbean Islands: no. 47, pp 64-71. Martinus Nijhoff, The Hague.
- Chandler, D. S.** 1999. Publication dates of papers on Anthicidae (Coleoptera) by the Marquis F.T. de Laferté-Sénéctère. Transactions of the American Entomological Society 125: 433-439.
- Werner, F.G.** 1961. A revision of the genus *Vacusus* Casey (Coleoptera: Anthicidae). Ann. Ent. Soc. Amer. 54: 798-809.
- Werner, F.G.** 1964. A revision of the North American species of *Anthicus* s.str. (Coleoptera, Anthicidae). Misc. Publ. Ent. Soc. Amer. 4: 195-242.
- Werner, F.G.** 1966. A revision of *Acanthinus* (Coleoptera: Anthicidae). II. The angusticollis-group. Annals of the Entomological Society of America 59: 746-751.
- Werner, F.G.** 1967. A revision of *Acanthinus* (Coleoptera: Anthicidae). VI. Annals of the Entomological Society of America 60: 1217-1234.
- Werner, F.G.** 1970a. A revision of *Acanthinus* (Coleoptera: Anthicidae). VII. Annals of the Entomological Society of America 63: 111-128.
- Werner, F.G.** 1970b. A revision of *Acanthinus* (Coleoptera: Anthicidae). IX. The *leporinus*, *scitulus*, *cuyabanus*, and *mycetops*-groups. Annals of the Entomological Society of America 63: 719-731.
- Werner, F.G.** 1970c. A revision of *Acanthinus* (Coleoptera: Anthicidae). X. *Albicintus* group and conclusion. Annals of the Entomological Society of America 63: 859-876.
- Werner, F.G.** 1983a. Neotropical *Sapintus*, with a general key to species (Coleoptera: Anthicidae). Proceedings Ent. Soc. Washington 85: 405-425.
- Werner, F.G.** 1983b. Anthicidae of the Greater Antilles and a new species from Venezuela (Coleoptera) Psyche 90: 211-235.

**153. FAMILY ADERIDAE**

The ant-like leaf beetles

This family occurs in North, Central, and South America, and in the Greater and Lesser Antilles. The larvae live with rotten wood, and adults are most commonly found crawling on leaves of plants at dusk.

TRIBE ADERINI  
SUBTRIBE ADERINA

**Aderus Stephens 1829: 57**

*A. brunnipennis* (LeConte) 1875: 176

**Distribution.** Cuba, Bahamas, USA (TX-PA-FL)

**Cuba localities.**

**Collections.**

SUBTRIBE OLOTELINA

**Gymnogonascus Werner 1990: 193**

*G. stephani* Werner 1990: 193

**Distribution.** Cuba, México, USA (TX-OK-KY-FL)

**Cuba localities.**

**Collections.**

REFERENCES

Werner, F.G. 1990. Revision of the Aderidae of eastern North America. *J. New York Ent. Soc.* 98: 187-232.

154. FAMILY SCRAPTIIDAE

The false flower beetles

This is a nearly worldwide family, and occurs especially in drier areas. Adults often occur on flowers and larvae in decaying wood and leaf litter.

SUBFAMILY SCRAPTIINAE  
TRIBE SCRAPTIINI

**Scaptia Latreille 1807: 199**

*S. sp.*, Leng and Mutchler 1917: 215

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

SUBFAMILY ANASPIDINAE  
TRIBE PENTARIINI

**Pentaria Mulsant 1856: 391**

*P. multipilis* Ray 1839: 303

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

SUPERFAMILY CHRYSOMELOIDEA

155. FAMILY CERAMBYCIDAE

The long-horned beetles

This is a very large family, and it is one of the best studied in Cuba. The larvae bore into living and dead plant tissue; in stems, roots, cambium and sapwood. Adults are often found on flowers, feeding on pollen and nectar. They are most often collected on flowers, by beating or sweeping vegetation, and at lights at night. The classification and synonyms used here generally follow those in Monné and Giesbert (1995). See Chemsak et al. (1992) for a different classification. Zayas (1957) revised the prionines of Cuba, and (1975) reviewed the entire cerambycid fauna of Cuba, and gives some keys for identification. Mészáros (1977) and Fernandez García and Fiol Ferrer (1999) give data on host plants and these data are too extensive to repeat here. Monné and Giesbert (1995) is the source of distributions in and beyond Cuba, except where they do not use the synonyms in Zayas (1975). Browne and Peck (1996) have examined the distribution of Cuban species into the Bahamas Islands and south Florida.

SUBFAMILY PARANDRINAE  
TRIBE PARANDRINI

**Parandra Latreille 1804: 252**

*P. cribrata* Thomson 1861: 87; Gundlach 1891: 243; Zayas 1957: 159; 1975: 18

**Distribution.** Cuba, Hispaniola, Puerto Rico

**Cuba localities.** Widespread. At lights

**Collections.** Gundlach no. 1727. Zayas

*P. cubaecola* Chevrolat 1862: 275; Gundlach 1891: 243; Zayas 1957: 159; 1975: 19

**Distribution.** Cuba, and Puerto Rico, according to Monné and Giesbert 1995

**Cuba localities.** Gr: Guamá. Ho: Sierra Cristal. In trunks of pine trees

**Collections.** Gundlach no. 432. Zayas

(*P. laevis* Latreille 1804: 253)

**Distribution.** Hispaniola, Jamaica

**Cuba localities.** Not recognized by Zayas (1975) for Cuba, but listed in Monné and Giesbert (1995) without documentation

**Collections.**

SUBFAMILY PRIONINAE  
TRIBE MACROTOMINI

**Stenodontes Audinet-Serville 1832: 173**

*S. (S.) chevrolati* Gahan 1890: 23; Zayas 1957: 160; 1975: 21; Chemsak 1969: 185



*S. damicornis* (L.); Jacquelin du Val 1857: 257; Chevrolat 1862: 273; Gundlach 1891: 241

*S. cubensis* Casey 1912: 224

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** Widespread. At lights in spring

**Collections.** Brno. Gundlach no. 446. Pittsburgh. Zayas

*S. (Mallodon) bituberculatus* Beauvois 1805: 216; Zayas 1957: 161; 1975: 22

*Mallodon carptor* Chevrolat 1862: 273; Gundlach 1891: 240

**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 923. Zayas

***Strongylaspis* Thomson 1860: 313**

*S. corticarius* Erichson in Schomberg 1848: 571; Zayas 1957: 160; 1975: 20

*S. scobinatus* Chevrolat 1860: 315; Gundlach 1891: 239

**Distribution.** Cuba, Jamaica, Dominica, México to n South America, USA (FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1100. Pittsburgh. Zayas

TRIBE CALLIPOGONINI

***Callipogon* Audinet-Serville 1832: 140**

*C. (Callomegas) sericeum* (Olivier) 1795: 16; Jacquelin du Val 1856: 107; Chevrolat 1862: 274; Gundlach 1891: 242 (*Orthomegas*); Zayas 1957: 164

**Distribution.** Cuba, Hispaniola, Puerto Rico

**Cuba localities.** Ha. Ca

**Collections.** Gundlach no. 442. Zayas

*C. (Dendrobaptus) barbiflavum* Chevrolat 1864a: 180; Gundlach 1891: 241; Zayas 1957: 164; 1975: 23

**Distribution.** Cuba, Bahamas

**Cuba localities.** IJ: Nueva Gerona. Ho: Sierra Cristal. PR. In pine trees; hosts: see Mészáros 1977)

**Collections.** Gundlach no. 1585. New York. Philadelphia (Poey no. 956). Pittsburgh. Zayas

***Cubaecola* Lameere 1912: 164. Endemic genus**

*C. hoploderoides* Lameere 1912: 164; Zayas 1957: 162; 1975: 25

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Florida. PR: Guanahacabibes. IJ

**Collections.** Gundlach. Zayas (neotype)

TRIBE SOLENOPTERINI

***Derancistrus* Audinet-Serville 1832: 181**

*D. anthracinus* (Gahan) 1890: 31; Zayas 1975: 32

**Distribution.** Cuba, Hispaniola

**Cuba localities.** SC: Gran Piedra

**Collections.** Gundlach no. 668. Zayas

*D. coeruleus* Lameere 1912: 170; Zayas 1975: 321

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato; Pico Turquino

**Collections.** Zayas

***Elateropsis* Chevrolat 1862: 269**

*E. fulvipes* Chevrolat 1838: 282 (*Solenoptera*); Jacquelin du Val 1857: 260; Gundlach 1891: 237; Zayas 1957: 172; 1975: 34

*Elateropsis fimbriatus* Chevrolat 1862: 270; Gundlach 1891: 237; Zayas 1957: 172

*Elateropsis venustus* Chevrolat 1862: 270; Gundlach 1891: 237; Zayas 1957: 171

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz. Gu: Yateras. Ha: littoral. Ho: Daiquirí. M: Palenque. SC: Ciudadamar

**Collections.** Gundlach no. 997a (*E. venustus*); no. 779b (*E. fimbriatus*); no. 779c (*E. fulvipes*). Zayas

*E. lineatus* (Linnaeus) 1758: 389; Jacquelin du Val 1857: 260 (*Solenoptera*); Gundlach 1891: 236; Zayas 1957: 169; 1975: 38

*E. subpunctatus* Chevrolat 1862: 271; Gundlach 1891: 238 (*E. subpunctatus*)

*E. punctatus* Gahan 1890: 271; Zayas 1957: 171; 1975: 39

**Distribution.** Cuba, Jamaica, Guadeloupe?

**Cuba localities.** Widespread

**Collections.** Gundlach no. 551. Zayas

(*E. quinquenotatus* Chevrolat 1862: 271; Zayas 1957: 157; 1975: 37)

**Distribution.** Cuba?, Jamaica

**Cuba localities.**

**Collections.**

*E. reticulatus* Gahan 1890: 30; Zayas 1957: 173; 1975: 36

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal

**Collections.** Zayas

*E. rugosus* (Gahan) 1890: 28; Zayas 1957: 170

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** IJ: Nueva Gerona

**Collections.** Carnegie. Washington

*E. scabrosus* Gahan 1890: 29; Zayas 1957: 170; Chemsak 1969: 186 (*Derancistrus*)

*Elateropsis fuliginosus* Fabricius, Chevrolat 1862: 271; Jacquelin du Val 1856: 108; Gundlach 1891: 238

*Elateropsis castaneous* Zayas 1975: 40. PR: Maria la Gorda, Guanahacabibes (t.l.)

**Distribution.** Cuba, USA (FL)

**Cuba localities.** The most abundant prionine; widespread in Cuba

**Collections.** Gundlach no. 265. Zayas

*E. sericeiventris* Chevrolat 1862: 270; Gundlach 1891: 238; Zayas 1957: 170; 1975: 35

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas. PR: Taco-Taco

**Collections.** Gundlach no. 511. Washington

### ***Prosternodes* Thomson 1960: 288**

*P. cinnamipennis* (Chevrolat) 1838: 281 (*Solenoptera*); Jacquelin du Val 1856: 258; Gundlach 1891: 239; Zayas 1957: 166; Zayas 1975: 28

**Distribution.** Cuba, Bahamas

**Cuba localities.** Widespread, coastal

**Collections.** Gundlach no. 44. Zayas

*P. cubanus* Zayas 1975: 29

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras (t.l.). Ho: Cupeyal

**Collections.** Zayas (type)

### ***Solenoptera* Audinet-Serville 1832: 183**

[*S. bilineata* Fabricius 1775: 162]; Galileo and Martins 1993: 432

**Distribution.** Not Cuba; but Virgin Islands, Puerto Rico

*S. fraudulenta* Galileo and Martins 1993: 445

**Distribution.** Cuba. Endemic

**Cuba localities.** None given. Cuba material misidentified as *S. scutellata* Gahan by Zayas 1957: 165; 1975: 28]

**Collections.** Brussels. Leiden. São Paulo

[*S. metallescens* Thomson 1860: 306; Zayas 1975: 31]

**Distribution.** Not Cuba; but Lesser Antilles

*S. parandroides* Lameere 1885: XII; Zayas 1957: 168; 1975: 30; Galileo and Martins 1993: 446

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras. Ho: Cupeyal; El Johnson; Moa; Piloto

**Collections.** Zayas

[*S. scutellata* Gahan 1890: 25; Zayas 1957: 165; 1975: 28]

**Distribution.** Not Cuba; Hispaniola

[*S. thomae* (Linnaeus) 1767: 623 (*Cerambyx*); see Galileo and Martins 1993: 429]

**Distribution.** Puerto Rico, Virgin Islands; not Cuba

### TRIBE PRIONINI

#### ***Orthosoma* Audinet-Serville 1832: 155**

[*O. brunneum* (Forster) 1771: 37 (*Derobrachus*); Zayas 1975: 44]

**Distribution.** Not Cuba; Hispaniola, Guadeloupe, USA

### TRIBEMEROSCELISINI

#### ***Monodesmus* Audinet-Serville 1832: 160**

*M. atratus* Fisher 1932: 3; Zayas 1957: 174; 1975: 42

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Sierra Rangel, Rancho Mundito (t.l.). SS: Trinidad Mts, Buenos Aires

**Collections.** Washington (type). Zayas

*M. callidioides* Audinet-Serville 1832: 161; Chevrolat 1862: 268; Gundlach 1891: 236 (*M. callidivides*); Zayas 1957: 174; Zayas 1975: 43; Chemsak 1969: 186

**Distribution.** Cuba, Bahamas, Cayman Islands

**Cuba localities.** Widespread

**Collections.** Brno. Gundlach no. 283. Pittsburgh. Zayas

### SUBFAMILY ASEMINEAE

#### TRIBE ASEMINI

#### ***Arhopalus* Audinet-Serville 1834: 77**

*A. cubensis* (Mutchler) 1914: 346 (*Criocephalus*); Zayas 1975: 49

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.). Ho: Mayarí. SC: Gran Piedra

**Collections.** New York (type). Zayas

### SUBFAMILY CERAMBYCINAE

#### TRIBESMODICINI

#### ***Metaphrenon* Martins 1975: 330**

*M. impressicolle* (Lacordaire) 1869: 146 (*Smodicum*); Zayas 1975: 46

**Distribution.** Cuba, Hispaniola, Puerto Rico

**Cuba localities.** Gu: Imias. M: Cienaga de Zapata

**Collections.** Zayas

## TRIBE OEMINI

**Malacopterus Serville 1833: 565**

- M. tenellus* (Fabricius) 1801: 335; Zayas 1975: 51  
**Distribution.** Cuba, sw USA (not FL) to South America  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 1628. Zayas

## TRIBE METHINI

**Methia Newman 1842: 418**

- M. nocydalea* Fabricius 1798: 148; Zayas 1975: 52; Chemsak 1969: 196; Philips and Ivie 1998: 72  
*M. punctata* LeConte 1873: 240; Zayas 1975: 53  
*M. pusilla* Chevrolat 1862: 256, not Newman 1840  
*M. pusilla* Newman 1840: 18; Gundlach 1891: 218  
**Distribution.** Cuba, Bahamas, Cayman Islands, Hispaniola, Puerto Rico, Virgin Islands, Lesser Antilles, Mexico, USA (TX-FL-VA)  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 52. Havana. London. San Francisco. Zayas  
*M. taina* Zayas 1975: 53; Philips and Ivie 1998: 81  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal, Las Mulas (t.l.)  
**Collections.** Zayas (type)

**Tessaropa Haldeman 1847: 375**

- T. luctuosa* Zayas 1975: 54; Philips and Ivie 1998: 81  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra, El Brazón del Río Yara (t.l.)  
**Collections.** Zayas (type)

## TRIBE ACHRYSONINI

**Achryson Serville 1833: 572**

- A. surinamum* (Linnaeus) 1767: 632; Chevrolat 1862: 264; Gundlach 1891: 230; Zayas 1975: 55  
**Distribution.** Cuba, West Indies, México to South America, sw USA (not FL)  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 469

**Araespor Thomson 1873: 14**

- [*A. longicollis* Thomson 1878: 15; Zayas 1975: 56]  
**Distribution.** Fiji Islands; not Cuba (an error or a misidentification)

**Cuba localities.** None known or reported

**Enosmaeus Thomson 1878: 9**

- E. cubanus* Thomson 1878: 10; Zayas 1975: 48  
**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.**  
**Collections.**

## TRIBE EBURIINI

**Eburia Lepeltier and Audinet-Serville in Lacordaire 1830: 77**

- E. cinereopilosa* Fisher 1932: 13; Zayas 1975: 60; Chemsak et al. 1992: 3  
**Distribution.** Cuba, Guatemala, USA (FL)  
**Cuba localities.** Ca: Camaguëy; Santa Lucía. Gu: Guantánamo (t.l.). Ho: Moa; Sierra Cristal. M: Peninsula de Zapata. PR: Guanahacabibes. SS: Gavilanes  
**Collections.** Washington (type). Zayas  
*E. confusa* Zayas 1975: 61  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Daiquiri (t.l.); Juraguá  
**Collections.** Zayas (type)  
*E. consobrina* Jacquelin du Val 1857: 265; Chevrolat 1862: 267; Gundlach 1891: 233 (*Coeleburia*); Zayas 1975: 62  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 438. Zayas  
*E. cubae* Fisher 1932: 16; Zayas 1975: 63  
**Distribution.** Cuba, Guatemala, se México  
**Cuba localities.** Ca: Cuabitas. CA: Baraguá (t.l.). Gu: Baracoa. Ho: Cayo Mambi, Central Tanamo. M: Ciénaga de Zapata; Pan de Matanzas  
**Collections.** Washington (type). Zayas  
*E. didyma* Olivier 1795: 125; Zayas 1975: 64  
*E. pulverea* Chevrolat 1862: 266  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 1101. Zayas  
*E. elongata* Fisher 1932: 18; Zayas 1975: 63  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Florida Blanca; Guantánamo (t.l.); Yateras. SC: Alto Songo  
**Collections.** New York (type). Zayas  
*E. fisheri* Russo 1930: 144  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** M: Zapata. PR: Guanahacabibes; Rangel, Rancho Mundito. SC: Loma del Gato  
**Collections.** Gundlach (as *Chion*). Zayas

- E. longicornis* Fisher 1932: 9; Zayas 1975: 66  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá; Central Florida (t.l.); El Roble. Gu: Baracoa. SS: Gavilanes  
**Collections.** Gundlach no. 472. Washington (type). Zayas
- E. marginalis* Fisher 1947: 29; Zayas 1975: 67  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Yateras. M: Central Mercedes (t.l.)  
**Collections.** Washington (type). Zayas
- [*E. octomaculata* Chevrolat 1862: 265; Zayas 1975: 68]  
**Distribution.** Cuba a doubtful record; Guadeloupe, Dominica, Barbados
- E. pellacia* Zayas 1975: 69  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucía (t.l.). Ci: Cumanayagua  
**Collections.** Zayas (type)
- E. pinarensis* Zayas 1975: 69  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Ancón, San Vicente; Viñales (t.l.)  
**Collections.** Zayas (type)
- E. quadrigeminata* (Say) 1827: 275; Chevrolat 1862: 265; Gundlach 1891: 232; Zayas 1975: 71  
**Distribution.** Cuba (introduced), e USA  
**Cuba localities.**  
**Collections.**
- E. quadrimaculata* (Linnaeus) 1767: 626  
*E. binodosa* Gahan 1895: 95  
*Cerambyx rhamphygea* Linnaeus 1767: 633  
**Distribution.** Cuba, Puerto Rico, Virgin Islands  
**Cuba localities.**  
**Collections.**
- E. ramsdemi* Fisher 1932: 14; Zayas 1975: 71  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Guantánamo (t.l.)  
**Collections.** New York (type)
- E. sericia* Sallé 1855: 271; Zayas 1975: 72  
**Distribution.** Cuba, Jamaica, Hispaniola  
**Cuba localities.** Gu: Finca San Carlos; Yateras  
**Collections.** Zayas
- E. stigma* (Olivier) 1795: 126; Jacquelin du Val 1857: 265; Zayas 1975: 73
- E. duvalii* Chevrolat 1862: 266; Gundlach 1891: 233  
**Distribution.** Cuba, Bahamas, Hispaniola, México to Costa Rica, USA (FL)

**Cuba localities.** Widespread. A pest of citrus  
**Collections.** Gundlach no. 275. Zayas

#### ***Eburodacrys* White 1853: 93**

- E. havanensis* Chevrolat 1862: 267; Gundlach 1891: 234; Zayas 1975: 75  
**Distribution.** Cuba, México to South America  
**Cuba localities.** M: Cárdenas. SC: Loma del Gato. SS: Lomas de Trinidad  
**Collections.** Gundlach no. 512. Zayas

#### TRIBE HESPEROPHANINI

#### ***Stromatium* Audinet-Serville 1834: 80**

- S. fulvum* (Villers) 1889: 25; Chevrolat 1962: 265; Zayas 1975: 57  
*S. unicolor* Olivier, Gundlach 1891: 231  
**Distribution.** Cuba (introduced), North America; native to Europe; cosmopolitan  
**Cuba localities.**  
**Collections.** Gundlach no. 819

#### TRIBE ELAPHIDIINI

#### ***Anelaphus* Linsley 1936: 464**

- A. cinereus* (Olivier) 1795: 69 (*Elaphidion*); Zayas 1975: 95 (as a synonym of *A. nanus* (Fabricius)); Chemsak 1969: 186 (*A. subtropicus* Casey)  
**Distribution.** Cuba, Jamaica, Hispaniola, Bahamas, USA (FL)  
**Cuba localities.** Ha: Cojimar. M: Cárdenas  
**Collections.** Brno. Gundlach no. 1826
- A. guttiventre* (Chevrolat) 1862: 261 (*Elaphidion*); Gundlach 1891: 335; Zayas 1975: 89; Chemsak 1969: 186 (*Elaphidionoides*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 492. Zayas
- (*A. inermis* Newman 1840: 29)  
**Distribution.** Bahamas, Greater Antilles, México to Honduras, USA (GA-TX)  
**Cuba localities.**  
**Collections.**
- A. nanus* (Fabricius) 1792: 300 (*Elaphidion*); Zayas 1975: 95  
**Distribution.** Cuba, Puerto Rico, Virgin Islands  
**Cuba localities.** Widespread  
**Collections.** Zayas
- A. parallelus* (Newman) 1840: 29  
*Elaphidion pulverulentum* Olivier 1895: 69; Chevrolat 1862: 262; Zayas 1975: 99  
**Distribution.** Cuba, e USA



- Cuba localities.**  
**Collections.**  
 [A. *villosus* (Fabricius) 1792: 302; Zayas 1975: 107]  
**Distribution.** Cuba (accidental record?), USA (eastern states-TX)  
**Cuba localities.**  
**Collections.**
- Curtomerus* Stephens 1839: 275**  
*C. fasciatus* (Fisher) 1932: 49 (*Cylindera*); Zayas 1975: 117  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Ca: Nuevitas. Gr: Cabo Cruz. Gu: Guantánamo (t.l.)  
**Collections.** Washington (type). Zayas  
*C. flavus* (Fabricius) 1775: 191; Zayas 1975: 118 (*Cylindera*)  
*Lampromerus pilicorne* Fabricius 1792: 327; Gundlach 1891: 228  
**Distribution.** Cuba, Bahamas, Jamaica, Grand Cayman, Hispaniola, Mona, Puerto Rico, Lesser Antilles, México to South America, USA (FL, HI), Tahiti  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 1103 (*L. pilicornis*); Zayas  
*C. glabrus* (Fisher) 1932: 51 (*Cylindera*); Zayas 1975: 119  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)
- Elaphidion* Audinet-Serville 1834: 66**  
*E. albosignatum* Chevrolat 1862: 259; Gundlach 1891: 223; Zayas 1975: 78  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal. SC: Brazo del Cauto  
**Collections.** Gundlach no. 1423. Zayas  
*E. angustatum* Zayas 1975: 79  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)  
*E. cayamae* Fisher 1932: 24; Zayas 1975: 80  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). M: Colón. SC: Daiquiri; considered to be a common pest of citrus (Vázquez et al. 1992: 44)  
**Collections.** Cambridge. Washington (type)  
*E. cinnabarinum* Fisher 1942: 11; Zayas 1975: 81  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.). Ha: Jibacoa  
**Collections.** Harvard (type). Zayas
- E. conspersum* Newman 1841: 110  
**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, Virgin Islands, Lesser Antilles, Curaçao, Bonaire  
**Cuba localities.**  
**Collections.**  
*E. cristalensis* Zayas 1975: 82  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Aguada. Ho: Sierra Cristal (t.l.). M: Cienaga de Zapata, San Blas  
**Collections.** Zayas (type)  
*E. cubae* Fisher 1932: 27; Zayas 1975: 83  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). Gu: Imias. SC: Daiquiri  
**Collections.** New York. Washington (type). Zayas  
*E. depressum* Zayas 1975: 83  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa, Loma de la Farola; Imias; Jaragua (t.l.)  
**Collections.** Zayas (type)  
*E. difflatus* Zayas 1975: 84  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucía (t.l.)  
**Collections.** Zayas (type)  
*E. elongatum* Fisher 1942: 14; Zayas 1975: 85  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: coast below Pico Turquino (t.l.)  
**Collections.** Harvard (type)  
*E. excelsum* Gahan 1895: 101; Zayas 1975: 86  
**Distribution.** Cuba, Guadeloupe  
**Cuba localities.** PR: La Pedrera de Mendoza. SS: Lomas de Trinidad, Buenos Aires  
**Collections.** Zayas  
*E. fasciatum* Fisher 1942: 13; Zayas 1975: 87  
**Distribution.** Cuba, Bahamas  
**Cuba localities.** Widespread. In fallen branches of citrus  
**Collections.** Zayas.  
*E. frisevestitum* Fisher 1942: 13; Zayas 1975: 88  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Jaronú (t.l.). M: Península de Zapata. PR: Guanahacabibes  
**Collections.** Harvard (type). Zayas  
*E. gracilis* Fisher 1932: 43; Zayas 1975: 89  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguey (t.l.). Ci: Cayamas; Cienfuegos. Ho: Sierra Cristal  
**Collections.** New York. Washington (type). Zayas  
*E. irroratum* (Linnaeus) 1767: 633 (*Cerambyx*); Jacquelin du Val 1857: 266; Gundlach 1891:

- 221; Zayas 1975: 91; Chemsak 1969: 186  
**Distribution.** Cuba, West Indies (where?), México to Costa Rica, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 282. Pittsburgh. Zayas
- E. jibacoense* Zayas 1975: 92  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Jibacoa (t.l.)  
**Collections.** Zayas (type)
- E. lanatum* Chevrolat 1862: 200; Gundlach 1891: 224; Zayas 1975: 93; Chemsak 1969: 186  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 550. Zayas
- E. monticola* Fisher 1935: 191; Zayas 1975: 93  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Florida Blanca. Ho: Sierra Cristal. M: San Blas, Zapata; Pan de Matanzas (t.l.). PR: Guanahacabibes. SC: Alto Songo  
**Collections.** Zayas
- E. niveonotatum* Zayas 1975: 96  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.). SC: Daiquiri  
**Collections.** Zayas (type)
- E. pauropilosum* Zayas 1979: 98  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Central Baraguá (t.l.)  
**Collections.** Zayas (type)
- E. quadrituberculatum* Chevrolat 1862: 259; Gundlach 1891: 222; Zayas 1975: 99  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- E. scaramuzzai* Fisher 1951: 77; Zayas 1975: 100  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Central Mercedes (t.l.)  
**Collections.** New York. Washington (type)
- E. signaticolle* Chevrolat 1862: 261; Gundlach 1891: 225; Zayas 1975: 101  
**Distribution.** Cuba, Bahamas, Hispaniola  
**Cuba localities.** Widespread, coastal  
**Collections.** Gundlach no. 490. Pittsburgh. Zayas
- E. splendidum* Fisher 1932: 19  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Ci: California. M: Zapata, Santo Tomas. PR: Paredón de los Mendozas, Guane; Rancho Mundito  
**Collections.** Zayas
- E. tomentosum* Chevrolat 1862: 260; Gundlach 1891: 223; Zayas 1975: 103  
**Distribution.** Greater Antilles  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 368
- E. tuberculicolle* Fisher 1932: 25; Zayas 1975: 104  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucía. Ci: Cayamas (t.l.). Ha: Marianao. M: Zapata, San Blas  
**Collections.** Zayas
- E. uncinatum* Zayas 1975: 105  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, Piloto; Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- E. unispinosum* Fisher 1942: 9; Zayas 1975: 106  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baitiquirí (t.l.)  
**Collections.** Harvard (type)
- E. variolosum* Fisher 1947: 32; Zayas 1975: 106  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa (t.l.)  
**Collections.** Washington (type)
- Linsleyonides* Skiles 1985: 316**
- L. albomaculatus* (Champlain and Knull) 1922: 146 (*Elaphidion*); Zayas 1975: 78  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Gr: Guamá; Jiguaní. SS: Los Gavilanes  
**Collections.** Zayas
- Nesanoplium* Chemsak 1966: 214**
- (*N. puberulum* Fleutiaux and Salle 1889: 464  
**Distribution.** West Indies (widely distributed)  
**Cuba localities.**  
**Collections.**
- Nesostizocera* Linsley 1961: 170**
- N. insulana* (Gahan) 1895: 106 (*Periboeum*); Zayas 1975: 112 (*Stizocera*)  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Widespread  
**Collections.** Zayas
- N. poeyi* (Guérin de Meneville in Chevrolat) 1838: 284 (*Elaphidion*); Jacquelin du Val 1857: 267; Gundlach 1891: 235 (*Nephalius*); Zayas 1975: 113 (*Stizocera*)  
**Distribution.** Cuba, Panamá, north and central South America  
**Cuba localities.** Ci: Cayamas. M: Cardenas; Playa Girón  
**Collections.** Gundlach no. 19. Washington. Zayas

***Parelapheidion* Skiles 1985: 310**

*P. mutatum* (Gahan) 1870: 32 (*Elaphidion*); Zayas 1975: 94

*Elaphidion tomentosum* Chevrolat 1826: 260 in part; Gundlach 1891: 223

**Distribution.** Cuba, Puerto Rico, se USA (FL)

**Cuba localities.** Ci: Cumanayagua. Ha: Jibacoa. Ho: Moa. PR: Viñales. A pest of citrus

**Collections.** Zayas

***Pyrrassa* Pascoe 1866: 481**

*P. jaumei* (Fisher) 1935: 193 (*Anepsyra*); Zayas 1975: 111

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Santa Lucía, Nuevitas. Ci: Santa Clara, Coralillo (t.l.). Ha: Cojimar; Puente Almendares

**Collections.** Washington (type). Zayas

***Stenosphenus* Haldeman 1847: 39**

*S. insulicola* Fisher 1942: 24; Zayas 1975: 159

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: coast below Pico Turquino (t.l.)

**Collections.** Harvard (type)

## TRIBE IBIDIONINI

***Heterachthes* Newman 1940: 9**

*H. ebenus* Newman 1840: 9; Zayas 1975: 114

**Distribution.** Cuba, Bahamas, Puerto Rico, México to South America, USA (FL-TX)

**Cuba localities.** PR: Viñales

**Collections.** Zayas

***Trinoplon* Zayas 1975: 115.** Endemic genus

*T. bicolor* Zayas 1975: 116

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata, Playa Larga (t.l.)

**Collections.** Zayas (type)

## TRIBE CALLIDIOPINI

***Merostenus* White 1855: 24**

*M. attenuatus* Chevrolat 1862: 263; Gundlach 1891: 228; Zayas 1975: 120

**Distribution.** Cuba, West Indies (where?)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1021; Zayas

*M. decoratus* Zayas 1975: 121

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Pan de Guajaibón (t.l.)

**Collections.** Zayas (type)

*M. elongatus* Fisher 1932: 54; Zayas 1975: 121

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Wajay (t.l.). PR. VC

**Collections.** Washington (type). Zayas

*M. exiguus* Zayas 1974: 122

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino; Siboney (t.l.)

**Collections.** Zayas (type)

## TRIBE CURIINI

***Plectromerus* Haldeman 1847: 43**

*P. acunai* (Fisher) 1936: 344 (*Pentomacrus*); Zayas 1975: 126

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal. SC: Gran Piedra; Loma del Gato (t.l.); Pico Turquino. SS: Buenos Aires; Topes de Collantes

**Collections.** Havana. Washington (type). Zayas

*P. dentipes* (Olivier) 1790: 268; Zayas 1975: 123

**Distribution.** Cuba, USA (LA-FL)

**Cuba localities.** Widespread

**Collections.** Zayas

*P. exis* Zayas 1975: 123

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Jiguaní. Ho: Sierra Cristal. PR: Pan de Guajaibón. SC: Loma del Gato (t.l.)

**Collections.** Zayas (type)

*P. fasciatus* (Gahan) 1895: 109 (*Pentomacrus*); Zayas 1975: 127

**Distribution.** Cuba, West Indies to Grenada

**Cuba localities.** M: Cienaga de Zapata. PR: Guanahacabibes; Paredón de los Mendoza

**Collections.** Zayas

*P. ornatus* Fisher 1947: 34; Zayas 1975: 124

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Moa (t.l.)

**Collections.** Washington (type)

*P. pinicola* Zayas 1975: 125

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Malas Aguas (t.l.)

**Collections.** Zayas (type)

*P. punctatus* (Fisher) 1932: 55 (*Pentomacrus*); Zayas 1975: 128

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de las Vegas (t.l.). Ho: Sierra Cristal

**Collections.** Havana (Bruner?). New York. Washington (type)

## TRIBE MOLORCHINI

**Molorchus Fabricius 1792: 356***M. bimaculatus* Say 1823: 428*M. b. corni* Haldeman 1847: 45*M. ruficollis* Gahan 1895: 110; Zayas 1975: 129*M. sanguinicollis* Chevrolat 1862: 257**Distribution.** Cuba, se USA**Cuba localities.****Collections.**

## TRIBE RHINOTRAGINI

**Bromiades Thomson 1864: 165***B. brachyptera* (Chevrolat) 1838: 285 (*Odontocera*);

Jacquelin du Val 1857: 269; Gundlach 1891:

221 (*O. brachyptora*); Fisher 1930: 13; Zayas

1975: 131; Chemsak 1969: 187

**Distribution.** Cuba, México, South America**Cuba localities.** Widespread**Collections.** Brno. Gundlach no. 285. Zayas**Odontocera Serville 1833: 546***O. josemartii* Zayas 1956: 113**Distribution.** Cuba. Endemic**Cuba localities.** SC: Pico Joaquín, near Turquino (t.l.)**Collections.** Zayas (type)

## TRIBE CALLICHROMATINI

**Philematium Thomson 1864: 171***P. femorale* (Olivier) 1790: 297 (*Cerambyx*);

Jacquelin du Val 1857: 262; Zayas 1975: 132

*Callichroma leucodactylum* Chevrolat 1862: 257**Distribution.** Cuba (introduced); native to Africa**Cuba localities.** Not known to be presently established**Collections.****Plinthocoelium Schmidt 1824: 300***P. virens* Drury 1873: 89*Callichroma colombina* (Guérin-Méneville) in

Chevrolat 1838: 282; Jacquelin du Val 1857: 262;

Gundlach 1891: 220; Zayas 1975: 132

**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica**Cuba localities.** Widespread. Important in that it attacks live jocuma trees in sub-littoral zone of north coast (listed as *P. columbinum*, Vázquez et al. 1992: 45)**Collections.** Gundlach no. 251. Zayas

## TRIBE CLYTINI

**Euryscelis Dejean 1835: 331***(E. suturalis* Olivier 1795: 62)**Distribution.** Bahamas, Puerto Rico, Cayman Islands, USA (FL)**Cuba localities.****Collections.****Neoclytus Thomson 1860: 67***N. acuminatus* (Fabricius) 1775: 194; Zayas 1975:

135. The redheaded ash borer

**Distribution.** Cuba (introduced), native to e North America**Cuba localities.** Probably introduced to Cuba in lumber**Collections.** Gundlach no. 1619*N. chevrolati* (Laporte and Gory) 1835: 26 (*Clytus*);

Jacquelin du Val 1857: 269; Gundlach 1891:

229; Zayas 1975: 136

**Distribution.** Cuba. Endemic**Cuba localities.** Widespread**Collections.** Gundlach no. 1458. Zayas*N. cordifer* (Klug) 1829: 13 (*Clytus*); Zayas 1975:

135; Chemsak 1969: 187

*Clytus rufescens* Laporte and Gory 1835: 16;

Jacquelin du Val 1857: 268

*Clytus devastator* Laporte and Gory 1835: 17;

Jacquelin du Val 1857: 268; Gundlach 1891: 229

*(Neoclytus)***Distribution.** Cuba, USA (FL-GA)**Cuba localities.** Widespread**Collections.** Brno. Gundlach no. 259 (*N. devastator*). Pittsburgh. Zayas*N. jibacoense* Zayas 1975: 137**Distribution.** Cuba. Endemic**Cuba localities.** Ha: Boca del Rio Jibacoa (t.l.)**Collections.** Zayas (type)*N. longipes* (Drury) 1783: 84; Zayas 1975: 138*Clytus angulatum* Fabricius 1792: 335; Chevrolat 1862: 531**Distribution.** Cuba, Jamaica, USA (GA-FL)**Cuba localities.** None known**Collections.***N. pubicollis* Fisher 1932: 59; Zayas 1975: 139**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Baracoa; Guantánamo (t.l.). SC: Siboney**Collections.** Washington (type). Zayas**Placosternus Hopping 1937: 447***P. difficilis* (Chevrolat) 1862: 263 (*Cyllene*);

Gundlach 1891: 229; Zayas 1975: 133

*(Megacyllene)*



**Distribution.** Cuba, Bahamas, México, USA (FL-CA)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 466. Zayas

TRIBE ANAGLYPTINI

***Tilloclytus* Bates 1885: 303**

*T. bruneri* Fisher 1932: 60; Zayas 1975: 141

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: near Bayamesa, Sibe-  
ria. SC: Pico Cuba; Pico Turquino (t.l.)

**Collections.** Washington (type). Zayas

*T. cubae* Fisher 1932: 63

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Pinares de Mayarí (t.l.)

**Collections.** Washington (type)

*T. elongatus* Zayas 1975: 143

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Sierra Rangel (t.l.)

**Collections.** Zayas (type)

*T. nivicinctus* (Chevrolat) 1862: 264 (*Tillomorpha*);  
Gundlach 1891: 230; Zayas 1975: 143

**Distribution.** Cuba. Endemic

**Cuba localities.** Central western Cuba

**Collections.** Gundlach no. 945. Zayas

*T. pilosus* Zayas 1975: 144

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Nicaro (t.l.)

**Collections.** Zayas (type)

*T. rufipes* Fisher 1942: 20; Zayas 1975: 145

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). SC: Loma  
del Gato

**Collections.** Harvard (type). Washington  
(paratype). Zayas

TRIBE TILLOMORPHINI

***Calliclytus* Fisher 1932: 65.** Endemic genus

*C. schwarzi* Fisher 1932: 66; Zayas 1975: 146

*Tillomorpha nivicincta* Chevrolat, Gundlach  
1891: 230

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). M: Cárdenas

**Collections.** Gundlach no. 745 (Washington  
(type))

***Pentanodes* Schaeffer 1904: 222**

*P. albofasciatus* Fisher 1932: 64; Zayas 1975: 140

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cardenas (t.l.); Cienaga  
de Zapata

**Collections.** Washington (type). Zayas

TRIBE RHOPALOPHORINI

***Rhopalophora* Audinet-Serville 1834: 100**

*R. baracoana* Zayas 1975: 162

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa (t.l.). IJ

**Collections.** Gundlach no. 737. Zayas (type)

TRIBE HETEROPSINI

***Heterops* Blanchard 1842: 51**

*H. dimidiatus* (Chevrolat) 1838: 283 (*Eburia*);  
Jacquelin du Val 1857: 264; Gundlach 1891:  
231; Zayas 1975: 154

*Eburia subangulata* Chevrolat 1838: 283

*H. bipartita* LaCordaire 1869: 128

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.** Widespread

**Collections.** Cambridge. Gundlach no. 126.  
Zayas

**Notes.** This species seems to be part of a Batesian  
mimicry complex centered around species of  
*Thonalmus* (Lycidae) (Darlington 1938: 690)

*H. lanieri* (Chevrolat) 1838: 283 (*Eburia*); Zayas  
1975: 156; Chemsak 1969: 187

*Eriphus lanieri* Jacquelin du Val 1856: 263 (not  
Chevrolat)

*Eburia lasnieri* Chevrolat 1862: 264; Gundlach  
1891: 230

*H. bicolor* Fisher 1936: 346 (SC: Pico Turquino,  
t.l.; Washington, type)

*H. duwali* Fisher 1947: 35 (SC: Jarahueca, t.l.;  
Washington, type)

*H. cubaecola* Fisher 1947: 36. (PR: Cayos de San  
Felipe, t.l.; Washington, type)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). Gr: Bueycitos.  
Ho: Sierra Cristal. M: Cárdenas. SS: Lomas de Trinidad

**Collections.** Brno. Gundlach no. 18. Cam-  
bridge. Washington

*H. loreyi* (Duponchel) 1837: 309; Zayas 1975: 158

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo

**Collections.** Zayas

***Neopociloderma* Monné and Martins 1981:  
186**

*N. lepturoides* (Jacquelin du Val) 1857: 267  
(*Pociloderma*); Gundlach 1891: 219; Zayas  
1975: 160

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread  
**Collections.** Gundlach no. 429. Zayas.  
 90Chevrolat 1858: 210

***Trichrous* Chevrolat 1858: 210**

*T. brevicornis* Zayas 1975: 148

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Moa (t.l.)

**Collections.** Zayas

*T. dimidiatipennis* (Chevrolat) 1838: 282 (*Eriphus*);  
 Jacquelin du Val 1857: 264; Gundlach 1891:  
 227; Zayas 1975: 149; Chemsak 1969: 187

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Brno. Cambridge. Gundlach no.  
 258. Zayas

**Notes.** This species seems to be part of a Batesian  
 mimicry complex centered around species of  
*Thonalmus* (Lycidae) (Darlington 1938: 691)

*T. divisus* Chevrolat 1858: 210; Gundlach 1891:  
 227; Zayas 1975: 150

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Cambridge. Gundlach no. 796.  
 Zayas

**Notes.** This species seems to be part of a Batesian  
 mimicry complex centered around species of  
*Thonalmus* (Lycidae) (Darlington 1938: 690)

*T. irroratus* (Olivier) 1795: 70; Chemsak 1969: 187

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Gr: Belic

**Collections.** Brno

*T. pilipennis* Chevrolat 1862: 262; Zayas 1975: 151;  
 Gundlach 1891: 227; Chemsak 1969: 187

**Distribution.** Cuba, Bahamas

**Cuba localities.** Widespread

**Collections.** Brno. Cambridge. Gundlach no.  
 479. Zayas

**Notes.** This species seems to be part of a Batesian  
 mimicry complex centered around species of  
*Thonalmus* (Lycidae) (Darlington 1938: 690)

*T. vittatus* Fisher 1932: 69; Zayas 1975: 152

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Sierra Rangel, Las  
 Animas (t.l.)

**Collections.** Washington (type)

TRIBE AGALLISSINI

***Zagymnus* LeConte 1873: 203**

*Z. clerinus* LeConte 1873: 321; Zayas 1975: 164

**Distribution.** Cuba, USA (GA-FL)

**Cuba localities.** PR: Dimas

**Collections.** Zayas

TRIBE TORNEUTINI

***Chlorida* Audinet-Serville 1834: 31**

*C. festiva* (Linnaeus) 1758: 389; Jacquelin du Val  
 1857: 261; Chevrolat 1862: 267; Gundlach 1891:  
 235; Zayas 1975: 59

**Distribution.** Cuba, West Indies (where?),  
 Central and South America, USA (FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 254. Pittsburgh.  
 Zayas

***Knulliana* Linsley 1962: 109**

(*K. cincta* (Drury) 1873: 85 (*Chion*); Zayas 1975:  
 58)

**Distribution.** Cuba?; Bahamas, México, se  
 USA

**Cuba localities.**

**Collections.** Gundlach no. 726.  
 (misidentification of *Eburia fisheri* Russo)

SUBFAMILY LAMIINAE

TRIBE PARMENIINI

***Cupeyalia* Zayas 1975: 167.** Endemic genus

*C. subterranea* Zayas 1975: 168

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras (t.l.). Ho:  
 Cupeyal

**Collections.** Zayas (type)

***Maisi* Zayas 1975: 168.** Endemic genus

*M. fisheri* Zayas 1975: 169

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Maisi (t.l.)

**Collections.** Zayas (type)

***Nanilla* Fleutiaux and Salle 1889: 476**

*N. globosa* Zayas 1975: 171

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra (t.l.)

**Collections.** Zayas (type)

*N. terrestris* Zayas 1975: 172

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal, alto de  
 Las Mulas (t.l.). PR: Viñales

**Collections.** Zayas (type)

*N. tuberculata* Fisher 1935: 196; Zayas 1975: 173

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad Mts., SS:  
 Buenos Aires (t.l.)

**Collections.** Washington (type)

## TRIBE LAMIINI

***Monochamus* Megerle 1821: 106**

*M. titillator* (Fabricius) 1775: 172 (*Lamia*); Zayas 1975: 177. The southern pine sawyer beetle  
**Distribution.** Cuba (introduced), e USA  
**Cuba localities.** Ha: Santiago de las Vegas; Vibora. Possibly introduced into Cuba in lumber  
**Collections.** Gundlach no. 1206. Zayas

***Neoptychodes* Dillon and Dillon 1941: 44**

*N. trilineatus* (Linnaeus) 1771: 532 (*Cerambyse*); Chevrolat 1862: 255; Gundlach 1891: 217 (*Ptychodes*); Zayas 1975: 175  
**Distribution.** Cuba (introduced), West Indies to South America, USA (FL, sw states)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 470. Zayas

***Taeniotes* Serville 1835: 90**

[*T. insularis* Thomson 1857: 171; Zayas 1975: 174]  
**Distribution.** Guadeloupe; not Cuba, an error

## TRIBE APOMECCYNINI

***Acrepidopterum* Fisher 1926: 6**

*A. acutum* Zayas 1975: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Zayas (type)  
*A. minutum* Fisher 1926: 6; Zayas 1975: 188  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Ci: Cayamas (t.l.); Cumanayagua. Gu: Florida Blanca. Ha: Lomas de Camoa  
**Collections.** Washington (type). Zayas

***Bebilis* Thomson 1864: 110**

*B. schwarzi* (Fisher) (*Dorcasta*) 1947: 37; Zayas 1975: 219  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá. Ci: Cayamas (t.l.); Cumanayagua. PR: Viñales  
**Collections.** Washington (type)

***Parmenonta* Thomson 1868: 157**

*P. insularis* Fisher 1930: 9; Zayas 1975: 179; Chemsak 1969: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana. SC: Santiago. Attacks cow peas (*Vigna sinensis*)  
**Collections.** Brno

## TRIBE AGAPANTHINI

***Spalacopsis* Newman 1842: 303**

*S. filum* (Klug) 1829: 13 (*Eutheia*); Jacquelin du Val 1857: 277 (*Euthuorus*); Chevrolat 1862: 256; Gundlach 1891: 218; Zayas 1975: 214; Chemsak 1969: 189  
**Distribution.** Cuba, Bahamas, Jamaica, Puerto Rico; USA (FL); hosts (see Mészáros 1977)  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 476. Zayas  
*S. grandis* (Chevrolat) 1862: 255 (*Euthuorus*); Gundlach 1891: 217; Zayas 1975: 216; Chemsak 1969: 189  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana (t.l.); Santa Fé  
**Collections.** Brno  
*S. spinipennis* Fisher 1936: 347; Zayas 1975: 216  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Washington (type)

## TRIBE ONCIDERINI

***Paraclytemnestra* Breuning 1974: 239**

(*P. gigantea* Breuning 1974: 240)  
**Distribution.** West Indies (where?)  
**Cuba localities.**  
**Collections.**

## TRIBE PTEROPLIINI

***Ataxia* Haldeman 1847: 54**

*A. alboscuteolata* Fisher 1926: 3; Zayas 1975: 182  
**Distribution.** Cuba, Puerto Rico, Virgin Islands  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)  
*A. spinicauda* Schaeffer 1904: 224; Zayas 1975: 184  
*A. spinipennis*, Gundlach 1891: 213  
**Distribution.** Cuba, Bahamas, Jamaica, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Zayas.  
*A. spinipennis* (Chevrolat) 1862: 252; Zayas 1975: 181 (*Proecha*)  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 820. Zayas  
*A. stehliki* Chemsak 1969: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Cojimar (t.l.). PR: Los Jazmines

**Collections.** Berkeley (paratypes). Brno (type)  
*A. variegata* Fisher 1925: 1; Zayas 1975: 185  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Guantánamo (t.l.); Alto Songo. SC: Gran Piedra; Pico Turquino  
**Collections.** New York (type). Zayas

#### TRIBE POGONOCHERINI

##### *Ecyrus* LeConte 1852: 160

*E. hirtipes* Gahan 1895: 127  
*E. insularis* Fisher 1932: 76 (CA: Baraguá, t.l.; Washington, type); Zayas 1975: 207; Chemsak 1969: 189  
**Distribution.** Cuba, Bahamas, Hispaniola, Puerto Rico, Virgin Islands, Guadeloupe, Dominica, Martinique, Grenada  
**Cuba localities.** Widespread  
**Collections.** Brno. Washington. Zayas

##### *Lypsimena* Haldeman 1947: 54

*L. fuscata* Haldeman 1847: 54; Chevrolat 1862: 263; Gundlach 1891: 214; Zayas 1975: 209; Chemsak 1969: 189  
**Distribution.** Cuba, México to Panamá, USA (FL, CA)  
**Cuba localities.** CA: Baraguá. Gr: Bayamo. Ha: Cojimar. Ho: Sierra Cristal. PR: Cananas. SC: Central Mercedes  
**Collections.** Brno. Gundlach no. 1456. Zayas

##### *Zaplous* LeConte 1878: 415

*Z. annulatus* (Chevrolat) 1862: 250 (*Ecyron*); Gundlach 1891: 210 (*Ecyrus*); Zayas 1975: 211  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Ci: San Blas. M: Peninsula de Zapata. PR: Viñales  
**Collections.** Gundlach no. 1293. Zayas  
*Z. baracutey* Zayas 1975: 212  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata (t.l.). PR: Viñales  
**Collections.** Zayas (type)

#### TRIBE DESMIPHORINI

##### *Desmiphora* Serville 1835: 62

*D. hirticollis* (Olivier) 1795: 11; Zayas 1975: 190  
*D. lanata* Chevrolat 1862: 263; Gundlach 1891: 214  
**Distribution.** Cuba, West Indies (where?), South America, sw USA  
**Cuba localities.** Widespread

**Collections.** Gundlach no. 477 (*D. lanata*). Zayas

*D. longipilis* (Fisher) 1926: 7 (*Ischnolea*); Zayas 1975: 192

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.); Cumanayagua. SC: Cuabitas. On *Guazuma tomentosa*  
**Collections.** Washington (type). Zayas

##### *Estola* Fairmaire and Germain 1859: 24

*E. dilloni* Zayas 1975: 205  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Imias. M: Peninsula de Zapata (t.l.). SC: Ciudadamar; Vista Alegre  
**Collections.** Zayas (type)

##### *Eupogonius* LeConte 1852: 159

*E. annulicornis* Fisher 1926: 9; Zayas 1975: 198  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)

*E. bierigi* Melzer 1933: 380; Zayas 1975: 199  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel; Viñales (t.l.)  
**Collections.** Type in Melzer collection

*E. griseus* Fisher 1926: 11; Zayas 1975: 200  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). Gu: Glorieta; Imias. M: Peninsula Zapata. SC: Siboney  
**Collections.** Washington (type). Zayas

*E. lanuginosus* (Chevrolat) 1862: 255 (*Phidola*); Gundlach 1891: 216; Zayas 1975: 193  
**Distribution.** Cuba. Endemic  
**Cuba localities.** None reported  
**Collections.**

*E. maculicornis* (Chevrolat) 1862: 254 (*Phidola*); Gundlach 1891: 216; Zayas 1975: 194; Chemsak 1969: 188 (*Phidola*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Brno. Gundlach no. 1292. Zayas

*E. nigritarsus* Fisher 1926: 10; Zayas 1975: 201  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). SC: Daiquiri  
**Collections.** Washington (type). Zayas

*E. piceus* (Fisher) (*Phidola*) 1936: 348; Zayas 1975: 195  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato (t.l.)  
**Collections.** Havana. Washington (type)



*E. pilosulus* (Chevrolat) 1862: 254 (*Phidola*);  
Gundlach 1891: 215; Zayas 1975: 202; Chemsak  
1969: 189

*E. rubiginosus* (Chevrolat) 1862: 254

*E. exiguus* (Thomson) 1868: 115

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Brno. Gundlach no. 480

*E. superbis* (Zayas) 1975: 196 (*Phidola*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Cupeyal (t.l.)

**Collections.** Zayas (type)

#### TRIBE ACANTHODERINI

##### *Acanthoderes* Serville 1835: 29

*A. circumflexa* Jacquelin du Val 1857: 270;  
Chevrolat 1862: 247; Gundlach 1891: 205  
(*Psopharochus*); Zayas 1975: 225; Chemsak  
1969: 189

**Distribution.** Cuba, West Indies, México to  
South America; hosts (see Mészáros 1977)

**Cuba localities.** Widespread

**Collections.** Brno. Gundlach no. 364. Zayas

##### *Oreodera* Serville 1835: 19

*O. lateralis* Olivier 1895: 179; Zayas 1975: 221;  
Chemsak 1969: 189 (*O. glauca* Linn.)

**Distribution.** Cuba, Puerto Rico, Panamá,  
South America

**Cuba localities.** Widespread

**Collections.** Brno. Zayas

##### *Steirastoma* Lacordaire 1830: 180

*S. poeyi* Chevrolat 1862: 246; Gundlach 1891: 205;  
Zayas 1975: 224

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de las Vegas.

M: Fermina. PR: San Diego

**Collections.** Gundlach no. 1702. Zayas

#### TRIBE ACANTHOCININI

##### *Acanthocinus* Mergel in Dejean 1821: 106

*A. obsoletus* (Olivier) 1895: 310 (*Graphisurus*);  
Zayas 1975: 275

**Distribution.** Cuba, e USA (FL)

**Cuba localities.** Ho: Mayarí; Sierra Cristal;  
Sierra de Mícará. PR: Sierra de Cajálban

**Collections.** Zayas

##### *Alcidion* Sturm 1843: 254

*A. umbraticum* (Jacquelin du Val) 1857: 272  
(*Probatius*); Chevrolat 1862: 249; Gundlach

1891: 210; Zayas 1975: 271

**Distribution.** Cuba, Puerto Rico, USA (FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 7. Zayas

##### *Eneodes* Fisher 1926: 31. Endemic genus

*E. hirsuta* Fisher 1926: 32; Zayas 1975: 276

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). Gu:  
Yateras

**Collections.** Washington (type). Zayas

*E. viridulus* Fisher 1942: 37; Zayas 1975: 277

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** Gundlach no. 1887. Harvard  
(type)

##### *Eugamandus* Fisher 1926: 33

*E. cayamae* Fisher 1926: 35; Zayas 1975: 278

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). Gu:  
Baracoa. PR: Pan de Guajaibón. SC Gran Pie-  
dra; Loma del Gato

**Collections.** Washington (type). Zayas

*E. schwarzi* Fisher 1926: 34; Zayas 1975: 279

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*E. tuberculatus* Fisher 1942: 40; Zayas 1975: 281

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Harvard (type)

##### *Fisherostylus* Gilmour 1963: 60. Endemic genus

*F. bruneri* (Fisher) 1926: 23 (*Leptostylus*); Gilmour  
1963: 61; Zayas 1975: 237

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Nagua (t.l.). Gu: Imias;  
Tortuguilla. Ho: Sierra Cristal. SC: Gran Pie-  
dra

**Collections.** Washington (type). Zayas

##### *Lagocheirus* Dejean 1835: 336

*L. araneiformis* (Linnaeus) 1767: 625; Jacquelin  
du Val 1857: 271 (*Acanthoderus*); Chevrolat  
1862: 247; Gundlach 1891: 206; Zayas 1975:  
227

*L. a. stroheckeri* Dillon 1956: 138, limited to s  
Florida and Cuba

**Distribution.** Cuba, Jamaica, Hispaniola,  
Puerto Rico, Lesser Antilles, México to  
Panamá, USA (FL); hosts (see Mészáros 1977)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 266. Zayas

- L. dezayasi* Dillon 1957: 144; Chemsak 1969: 189  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana-Alamár  
**Collections.** Brno
- Leptostylopsis* Dillon 1956: 144**
- L. albofasciatus* (Fisher) 1926: 16 (*Leptostylus*); Zayas 1975: 232  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Widespread. Ci: Cayamas (t.l.)  
**Collections.** Washington (type). Zayas
- L. argentatus* (Jacquelin du Val) 1857: 273 (*Amniscus*); Dillon 1956: 145; Zayas 1975: 233 (*Leptostylus*)  
**Distribution.** Cuba, Bahamas, USA (FL); hosts (see Mészáros 1977)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 128. Zayas
- L. atromaculatus* (Fisher) 1926: 18 (*Leptostylus*); Zayas 1975: 234  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Central Constancia (t.l.)  
**Collections.** Washington (type). Zayas
- L. duwali* (Fisher) 1926: 19 (*Leptostylus*); Zayas 1975: 242  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Washington (type)
- L. incrassatus* (Klug) 1829: 13 (*Leptostylus*); Zayas 1975: 245; Chemsak 1969: 189  
*Amniscus transversatus* Jacquelin du Val 1857: 273; Chevrolat 1862: 248; Gundlach 1891: 207  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread. For hosts see Mészáros (1977)  
**Collections.** Brno. Gundlach no. 256. Zayas
- L. monticola* (Fisher) 1935: 201 (*Leptostylus*); Zayas 1975: 247  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Pan de Matanzas (t.l.)  
**Collections.** Washington (type)
- Leptostylus* LeConte 1852: 168**
- L. albagniri* Zayas 1975: 231  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- L. calcarius* Chevrolat 1862: 248; Gundlach 1891: 207; Zayas 1975: 238  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucía. Ho: Sierra Cristal. M: Cárdenas  
**Collections.** Gundlach no. 129. Zayas
- L. castaneovirescens* Zayas 1975: 239  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- L. dealbatus* (Jacquelin du Val) 1857: 274 (*Amniscus*); Chevrolat 1862: 248; Gundlach 1891: 208; Zayas 1975: 240  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 127. Zayas
- L. heticus* Zayas 1975: 243  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguëy (t.l.); Nuevitas, California  
**Collections.** Zayas (type)
- L. illitus* Zayas 1975: 244  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- L. latifasciatus* Zayas 1975: 246  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Soroa (t.l.)  
**Collections.** Zayas (type)
- L. nigritus* Zayas 1975: 248  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa; Piloto (t.l.)  
**Collections.** Zayas (type)
- L. pseudocalcarius* Zayas 1975: 249  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- L. sagittatus* (Jacquelin du Val) 1857: 272 (*Amniscus*); Chevrolat 1862: 248; Gundlach 1891: 402; Zayas 1975: 251  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 128. Zayas
- Lepturgotrichona* Gilmour 1957: 27**
- L. cubaecola* (Fisher) 1942: 36 (*Lepturges*); Zayas 1975: 268; Gilmour 1957: 27  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua; Soledad  
**Collections.** Zayas
- Lethes* Zayas 1975: 254.** Endemic genus
- L. humeralis* Zayas 1975: 255  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- L. indignus* Zayas 1975: 256  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Santa Lucía (t.l.)  
**Collections.** Zayas (type)

***Liopinus* Linsley and Chemsak 1995: 88***L. pantherinus* (Zayas) 1975: 264 (*Sternidius*)**Distribution.** Cuba. Endemic**Cuba localities.** Ho: Sierra Cristal, Las Mulas (t.l.)**Collections.** Zayas (type)***Oedopeza* Serville 1835: 88***O. pogonocheiroides* Serville 1835: 88; Zayas 1975: 273**Distribution.** Cuba, México to Uruguay**Cuba localities.** Ha: Havana. PR: Sierra Rangel; Guanahacabibes. Hosts; see Mészáros 1977**Collections.** Zayas***Pygmalestylus* Gilmour 1963: 74.** Endemic genus*P. pygmaeus* (Fisher) 1926: 24 (*Leptostylus*); Gilmour 1963: 75; Zayas 1975: 250**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type). Zayas.***Styloleptus* Dillon 1956: 158***S. atrovittatus* (Fisher) 1925: 9 (*Urgleptes*); Zayas 1975: 258**Distribution.** Cuba, Hispaniola**Cuba localities.** Gr: Yara (t.l.). Gu: Florida Blanca. M: Peninsula de Zapata, San Blas. SC: Alto Songo**Collections.** Havana (paratype). New York (paratype). Washington (type)*S. biustus* (LeConte) 1852: 169 (*Leptostylus*); Chevrolat 1862: 249; Gundlach 1891: 209 (*Exocentrus*); Zayas 1975: 235; Chemsak 1969: 189*Leptostylus minuens* Hamilton 1896: 121*L. scurra dorsalis* Fisher 1926: 21. Cuba*L. fisheri* Gilmour 1965: 577. Cuba*Leptostylus biustus cubanus* Fisher 1926: 22 (Ci: Cayamas, t.l.; Washington, type)*Lethes israeli* Zayas 1975: 25; Ho: Sierra Cristal (t.l.); Zayas (type); Micheli & Hovore 2003: 2 (synonymy)**Distribution.** Cuba Bahamas, se USA (FL)**Cuba localities.** Ca: Playa Santa Lucía. Gu: Imias. Ha: Cojimar. Ho: Moa; Piloto; Sierra Cristal**Collections.** Brno. Zayas*S. cubanus* (Fisher) 1926: 26 (*Leiopus*); Zayas 1975: 260 (*Urgleptes*)**Distribution.** Cuba. Endemic**Cuba localities.** Widespread. Ci: Cayamas. (t.l.)**Collections.** Washington (type). Zayas*S. nigronotatus* (Zayas) 1975: 261 (*Urgleptes*)**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Santa Lucía, n coast (t.l.)**Collections.** Zayas (type)*S. scurra* (Chevrolat) 1862: 249 (*Alcidion*); Gundlach 1891: 209; Fisher 1926: 21 (*Leptostylus*); Zayas 1975: 252; Chemsak 1969: 190*S. s. maculifer* (Fisher) 1926: 2; (Ha: Santiago de la Vega, t.l.; Washington, type)**Distribution.** Cuba. Endemic**Cuba localities.** SC: Pico Cuba**Collections.** Brno*S. variabilis* (Fisher) 1925: 11 (*Urgleptes*); Zayas 1975: 262**Distribution.** Cuba. Endemic**Cuba localities.** Widespread. Ci: Cayamas (t.l.). A borer of cassava plants**Collections.** New York (paratypes). Washington (type). Zayas*S. zorillai* Zayas 1975: 259 (*Urgleptes*)**Distribution.** Cuba. Endemic**Cuba localities.** PR; Ancón; Cajalbana (t.l.); Piedra de Molino**Collections.** Zayas (type)***Trypanidius* Blanchard 1843: 209***T. insularis* Fisher 1925: 8; Zayas 1975: 266**Distribution.** Cuba. Endemic**Cuba localities.** Gr: Nauas (t.l.). Gu: Guantánamo**Collections.** New York (type)*T. nocturnus* Fisher 1942: 39; Zayas 1975: 267**Distribution.** Cuba, Puerto Rico**Cuba localities.** SC: Loma del Gato; Sierra Maestra, Loma de Calá. SS: Buenos Aires; Topes de Collantes**Collections.** Zayas***Urgleptes* Dillon 1956: 332;** key in Gilmour 1963: 78*U. chamaeropsis* (Fisher) 1926: 27 (*Lepturges*); Zayas 1975: 269**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.). M: Peninsula de Zapata**Collections.** Washington (type). Zayas*U. guadeloupensis* (Fleutiaux and Sallé) 1889: 472 (*Lepturges*); Zayas 1975: 270; Chemsak 1969: 90**Distribution.** Cuba to Guadeloupe

**Cuba localities.** Widespread

**Collections.** Brno. Zayas

TRIBE CYRTININI

***Cyrtinus* LeConte 1852: 166**

*C. acunai* (Fisher) 1935: 206; Zayas 1975: 283

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad Mts.; Buenos Aires (t.l.)

**Collections.** Washington (type)

*C. humilis* Zayas 1975: 284

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.)

**Collections.** Zayas (type)

*C. schwarzi* Fisher 1926: 36

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.). PR: Sierra Rangel

**Collections.** Washington (type). Zayas

TRIBE HEMILOPHINI

***Calocosmus* Chevrolat 1862: 250**

*C. chevrolati* Fisher 1925: 14; Zayas 1975: 289

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.). Ho: Moa, Piloto; Nicaro. SC: Loma del Gato; Siboney

**Collections.** Harvard (paratype). New York (type). Zayas

*C. dimidiatus* (Chevrolat) 1838: 284 (*Amphionycha*); Jacquelin du Val 1857: 275; Gundlach 1891: 212; Zayas 1975: 289

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Cambridge. Gundlach no. 364. Zayas

**Notes.** This species seems to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 690)

*C. nigripennis* Chevrolat 1862: 252; Gundlach 1891: 213; Zayas 1975: 292

*C. semimarginatus* Bates 1881: 151; Zayas 1975: 294

*C. janus* Bates 1881: 151; Zayas 1975: 292

*C. fulvicollis* Fisher 1925: 13; Zayas 1975: 290

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo. M: Cárdenas

**Collections.** Gundlach no. 797. New York

*C. speciosus* Chevrolat 1862: 252; Gundlach 1891: 212; Zayas 1975: 294; Chemsak 1969: 190

*Hemilopus venustus* Jacquelin du Val 1857: 275, not Chevrolat

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cárdenas. PR: Cordillera de los Organos; Rancho Mundito; Aspiro. SC: Palma Mocha; Pico Turquino

**Collections.** Brno. Gundlach no. 109b. Zayas

*C. venustus* (Chevrolat) 1838: 283 (*Amphionycha*); Zayas 1975: 295 (*C. venustos*)

*C. nuptus* Chevrolat 1862: 251; Gundlach 1891: 211; Zayas 1975: 293

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cardenas (on *Solanum toroum*)

**Collections.** Cambridge. Gundlach no. 1726 (*C. nuptus*); Gundlach no. 106 (*C. venustos*)

**Notes.** This species seems to be part of a Batesian mimicry complex centered around species of *Thonalmus* (Lycidae) (Darlington 1938: 690)

***Oedudes* Thomson 1868:199**

*O. alayoi* (Zayas) 1956: 111 (*Essostrutha*); Zayas 1975: 300 (*Adesmus*); Chemsak 1978: 125; Galileo and Martins 1997: 143

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Buenos Aires, Lomas de Trinidad (t.l.)

**Collections.** Zayas (type)

*O. ramsdeni* (Fisher) 1926: 39 (*Essostrutha*); Zayas 1956: 106; Zayas 1975: 302 (*Adesmus*); Chemsak 1978: 125; Galileo and Martins 1997: 143

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.). Ho: Moa

**Collections.** New York (type)

*O. roberto* (Fisher) 1935: 209 (*Essostrutha*); Zayas 1956: 107; 1975: 303 (*Adesmus*); Chemsak 1978: 125; Galileo and Martins 1997: 143

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Los Animas; Sierra de Rangel (t.l.); Pan de Guajaibón

**Collections.** Washington (type). Zayas

*O. scaramuzzai* (Fisher) (*Essostrutha*) 1936: 271; Zayas 1956: 109 (translation) (*Adesmus*); Chemsak 1978: 125; Galileo and Martins 1997: 143

*Adesmus montivagans* (Fisher) 1942: 42 (*Essostrutha*); Zayas 1956: 110; 1975: 300; Chemsak 1978: 125

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.); Pico Turquino (t.l.)

**Collections.** Harvard (type). Washington. Zayas



## REFERENCES

- Breuning, S. von.** 1974. Neue Lamiinae (Coleoptera, Cerambycidae). Mitt. Zool. Mus. Berlin 50: 237-241.
- Browne, J. and S.B. Peck.** 1996. The long-horned beetles of south Florida (Cerambycidae: Coleoptera); biogeography and relationships with the Bahama Islands and Cuba. Canadian J. Zool. 74: 2154-2169.
- Chemsak, J.A.** 1969. Records and descriptions of Cuban Cerambycidae. Acta Musei Moraviae 54: 185-190.
- Chemsak, J.A.** 1978. Review of the genus *Essostrutha* Thomson (Coleoptera, Cerambycidae). Pan-Pacific Ent. 54: 125-128.
- Chemsak, J.A., E.G. Linsley, and F.A. Noguera.** 1992. Listados faunísticos de México II. Los Cerambyiidae y Disteniidae de Norteamérica, Centroamérica y las Indias Occidentales (Coleoptera). Univ. Nac. Autó México. Inst. Biol. 204 pp.
- Darlington, P.J., Jr.** 1938. Experiments on mimicry in Cuba, with suggestions for future study. Trans. R. Ent. Soc. London 87: 681-695.
- Dillon L.** 1956. The Nearctic components of the tribe Acanthocinini (Coleoptera, Cerambycidae). Ann. Ent. Soc. America 49: 134-167; 207-235; 332-355.
- Dillon, L.** 1957. Revision of the neotropical Acanthocinini (Coleoptera, Cerambycidae). The genus *Lagocheirus*. Bull. British Mus. Nat. Hist., London (Ent.) 6: 137-166.
- Fernandez García, I. and N. Fiol Ferrer.** 1999. Plantas hospedantes de las especies de cerambycidos (Coleoptera: Cerambycidae) de Cuba. Cocuyo 8: 14-16.
- Galileo, M.H.M. and U.R. Martins.** 1997. Sobre o gênero *Oedudes* Thomson, 1868 (Coleoptera, Cerambycidae, Lamiinae, Hemilophni). Papéis Avulsos de Zoologia (São Paulo) 40: 137-146.
- Galileo, M.H.M. and U.R. Martins.** 1993. Revisão da tribo Solenopterini (Coleoptera, Cerambycidae, Prioninae). Parte III. Gênero *Solenoptera* A.-Serville, 1832. Revista Bras. Ent. 37: 425-458.
- Gilmour, E.F.** 1957. On the Neotropical Acanthoninini (Coleoptera, Cerambycidae, Laminae). Some new genera and species. Arq. Biol. Technol. (Curitiba) 10(1): 3-36.
- Gilmour, E. F.** 1963. On the Neotropical Acanthocinini (Col. Cerambycidae, Lamiinae). Some Caribbean genera and species. Studies on the fauna of Curaçao and other Caribbean islands no. 76. Natuurwet. Stud. Suriname, the Hague, 17: no. 33: 57-96.
- Mészáros Z.** 1977. Datos para el conocimiento de las naturales plantas nutritivas de los Longicornis en Cuba (Coleoptera: Cerambycidae). Folia Ent. Hung. 30 (2): 75-76.
- Micheli, J. and F. T. Hovore.** 2003. New synonymies and distributional records for Caribbean Cerambycidae (Coleoptera). Coleop. Bull. 57: 1-4.
- Monné, M.A. and E.F. Giesbert.** 1995. Checklist of the Cerambycidae and Disteniidae (Coleoptera) of the Western Hemisphere. Wolfsgarden Books, Burbank, CA.
- Philips, T.K. and Ivie, M.A.** 1998. The Methiini of the West Indies (Coleoptera: Cerambycidae) with notes on the circum-Caribbean species. Entomol Scand. 29: 57-87.
- Vázquez, L.L., E. Valdés, and J.C. Amor.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.
- Zayas, F. de.** 1957. Revision de los Longicornios Prionidos de Cuba (Coleopteros, Cerambycidae). Mem. Soc. Cubana Hist. Nat., Havana 23: 149-181.
- Zayas, F. de.** 1975. Revision de la Familia Cerambycidae (Coleoptera, Phytophagoidea). Acad. Cien. Cuba, Instit. Zool. 443 pp.

## 156. FAMILY BRUCHIDAE

The pea and bean weevils.

All members of the family, as larvae, are seed feeders, and most are associated with legumes. Some Pachymerinae feed on palm nuts. Johnson and Kingsolver (1981) give a checklist of West Indian bruchids; and Alvarez and Kingsolver (1997) give a checklist and additional literature for Cuba. Lawrence and Newton (1995) consider this group to be a subfamily of the Chrysomelidae. It is here used as a family, following Arnett and Thomas (2002).

## SUBFAMILY PACHYMERINAE

*Caryobruchus* Bridwell 1929: 148

*C. gleditsiae* (Johansson and Linnaeus) 1767: 605; (*Dermestes*). The palm seed weevil

*Bruchus arthriticus* Fabricius 1801: 398; Jacquelin du Val 1857: 166; Gundlach 1891: 265

**Distribution.** Cuba, Bahamas, Bermuda, Hispaniola, Jamaica, México to Panamá, USA

(FL-NC-TX); a pest in seeds of many genera of palms

**Cuba localities.** IJ: Nueva Gerona. M: Cárdenas

**Collections.** Gundlach no. 210. Pittsburgh  
*C. marieae* Nilsson and Johnson 1990: 55

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. Gu: Imias. Ha: Havana, Camacho (t.l.). In seeds of *Sabal palmetto* and *Chamaedora elegans*

**Collections.** Washington (type)

#### SUBFAMILY AMBLYCERINAE

##### TRIBE AMBLYCERINI

#### *Amblycerus* Thunberg 1815: 109

*A. baracoensis* Kingsolver 1970: 484

**Distribution.** Cuba, México, Costa Rica, Paraguay

**Cuba localities.** CA: Baragua. Ci: Cayamas. Gu: Baracoa (t.l.). Host: *Cordia gerascanthus*

**Collections.** Havana. New York. Washington (type)

*A. cistelinus* (Gyllenhal) 1833: 103 (*Spermophagus*); Jacquelin du Val 1857: 167; Gundlach 1891: 265; Kingsolver 1970: 473

**Distribution.** Cuba, México to Brazil

**Cuba localities.** Ci: Cayamas; Soledad. Gu: Yateritas. M: Cárdenas. SC: Alto Songo, Florida Blanca. Host: *Guazuma ulmifolia*

**Collections.** Cambridge. Champaign. Gundlach no. 362. Washington

*A. eustrophoides* (Schaeffer) 1904: 228 (*Spermophagus*); Kingsolver 1970: 474

**Distribution.** Cuba, México, Costa Rica, USA (FL)

**Cuba localities.** SC: Alto Songo, Florida Blanca. Host: *Drypetes laterifolia*

**Collections.** Champaign

*A. pygidialis* (Suffrian) 1870: 169 (*Spermophagus*); Gundlach 1891: 267; Kingsolver 1970: 481

*A. chapini* Kingsolver 1970: 481

**Distribution.** Cuba, Jamaica

**Cuba localities.** Ci: Cayamas. Gu: Baracoa. Host: *Cordia gerascanthus*

**Collections.** Gundlach no. 994. Washington

*A. sallei* (Jekel) 1855: 30 (*Spermophagus*)

**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, Venezuela

**Cuba localities.** Host: *Prosopis juliflora*

**Collections.**

*A. schwarzi* Kingsolver 1970: 477

**Distribution.** Cuba, Hispaniola, Cayman Islands, Jamaica, Puerto Rico, Virgin Islands,

St. Croix, Curaçao, USA (FL)

**Cuba localities.** Ca: Jobabo. CA: Baragua. Ci: Cayamas (t.l.); Soledad. Gu: Baracoa; Moa. Ha: Havana. SC: coast below Pico Turquino. Hosts: *Hippomane mancinella*, *Tectona grandis*, *Ricinis communis*, *Randia aculeata*, *Terminalia catappa* (Genaro and Kingsolver 1997)

**Collections.** Cambridge. Havana. Gainesville. Washington (type)

*A. simulator* (Jacquelin du Val) 1857: 167 (*Spermophagus*); Gundlach 1891: 266; Kingsolver 1970: 476

**Distribution.** Cuba, Costa Rica

**Cuba localities.** CA: Baragua. Ci: Cayamas; Soledad. Ha: Havana. M: Cárdenas. Host: *Luehea speciosa*

**Collections.** Cambridge. Gundlach no. 211. Havana. Washington

*A. taeniatus* (Suffrian) 1870: 167 (*Spermophagus*); Gundlach 1891: 266; Kingsolver 1970: 475

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz. Host: *Cesalpinia bijug*

**Collections.** Gundlach no. 1366

##### TRIBE SPERMOPHAGINI

#### *Zabrotes* Horn 1885: 156

*Z. subfasciatus* (Boheman) 1833: 111 (*Spermophagus*); Gundlach 1891: 267. The Mexican bean weevil

**Distribution.** Cuba (introduced), South America, Panamá to USA (TX); nearly circumtropical

**Cuba localities.** Hosts: many leguminous genera

**Collections.** Gundlach no. 731

#### SUBFAMILY BRUCHINAE

##### TRIBE BRUCHIDIINI

#### *Callosobruchus* Pic 1902: 6

*C. chinensis* (Linnaeus) 1758: 386 (*Bruchus*)

*Bruchus pectinicornis* Linnaeus 1767: 605; Gundlach 1891: 260

**Distribution.** Cuba, Puerto Rico, Panamá, South America, Old World, USA (DC, VA); cosmopolitan; a major pest of stored products

**Cuba localities.** Widespread. Hosts: many leguminous genera

**Collections.** Gundlach no. 604

*C. maculatus* (Fabricius) 1775: 66 (*Bruchus*). The cow pea weevil

*Bruchus quadrimaculatus* Fabricius 1792: 371:  
Gundlach 1891: 260

*Bruchus sinuatus* Fahraeus 1839: 8; Gundlach  
1891: 261

**Distribution.** Cuba, Puerto Rico, México,  
South America, USA (TX-CT-FL); cosmopol-  
itan pest of seeds of various legumes

**Cuba localities.** Ci: Cienfuegos

**Collections.** Gundlach no. 812

#### TRIBE BRUCHINI

##### *Bruchus* Linnaeus 1767: 604

*B. pisorum* (Linnaeus) 1758: 356. The pea weevil

*B. pisi* Linnaeus 1767: 604; Jacquelin du Val  
1857: 164; Gundlach 1891: 263

**Distribution.** Cuba (introduced), Puerto Rico,  
South America, USA (widespread), Old World

**Cuba localities.** Hosts: usually *Pisum*, but  
also other legumes such as *Cassia*, *Cytisus*,  
*Lathyrus*, *Phaseolus* and *Vicia*

**Collections.** Gundlach no. 1632

*B. rufimanus* (Boheman) 1833: 58; Jacquelin du  
Val 1857: 165; Gundlach 1891: 264. The  
broadbean weevil

**Distribution.** Cuba (introduced), Puerto Rico,  
USA (NJ, LA, CA), Old World; cosmopolitan

**Cuba localities.** M: Cárdenas. Hosts: usually  
*Vicia*, but also *Lupinus*, *Phaseolus*, *Pisum*,  
*Vigna*, etc.

**Collections.** Gundlach no. 373

#### TRIBEMEGACERINI

##### *Megacerus* Fahraeus 1839: 34

*M. ferruginosus* Teran and Kingsolver 1977: 79

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Cambridge (type)

*M. flabelliger* (Fahraeus) 1839: 36 (*Bruchus*)

**Distribution.** Cuba, México to Brazil

**Cuba localities.** Hosts: species of *Ipomoea*  
and *Merramia*

**Collections.**

*M. porosus* (Sharp) 1885: 490 (*Bruchus*)

**Distribution.** Cuba, Puerto Rico, México,  
Colombia, Brazil

**Cuba localities.** Host: *Merramia aegyptia*

**Collections.**

*M. tricolor* (Suffrian) 1870: 157 (*Bruchus*,  
*Acanthoscelides*); Gundlach 1891: 263; Teran  
and Kingsolver 1977: 137

**Distribution.** Cuba, Hispaniola, Nicaragua

**Cuba localities.** Ca: Jaronú. Gr: Bayamo. Ha:  
Havana; Santiago de las Vegas. M: Cárdenas.  
SC: Santiago de Cuba. Host: *Ipomoea alba*

**Collections.** Gundlach no. 415. Washington

#### TRIBE ACANTHOSCELIDINI

##### *Acanthoscelides* Schilsky 1905: 95

*A. flavescens* (Fahraeus) 1839: 32 (*Bruchus*)

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
St. Vincent, México to Panamá, USA

**Cuba localities.** Hosts: *Eriosema*, *Galactia*,  
*Rhynchosia*, *Tephrosia*

**Collections.**

*A. livens* (Suffrian) 1870: 154 (*Bruchus*); Gundlach  
1891: 262

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad Mts.

**Collections.** Gundlach no. 1371 (type)

*A. obtectus* Say 1831: 1 (*Bruchus*). The bean wee-  
vil

*Bruchus tetricus* Gyllenhal 1839: 22; Gundlach  
1891: 262

*Bruchus pallidipes* Fahraeus 1839: 91; Jacquelin  
du Val 1857: 165

**Distribution.** Cuba (introduced);  
cosmopolitan; a widespread pest of stored beans  
and peas

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 317

*A. pantherinus* Suffrian 1870: 163 (*Bruchus*);  
Gundlach 1891: 265

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad

**Collections.** Gundlach no. 1372 (type?)

*A. quadratus* (Suffrian) 1870: 161 (*Bruchus*);  
Gundlach 1891: 264

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cienfuegos. SS:  
Buenavista

**Collections.** Gundlach no. 752 (type?)

*A. quadridentatus* (Schaeffer) 1907: 304 (*Bruchus*)

**Distribution.** Cuba, México to Brazil, USA

**Cuba localities.** Hosts: species of *Mimosa*

**Collections.**

##### *Ctenocolum* Kingsolver and Whitehead 1974: 284

*C. podagricus* (Fabricius) 1801: 399 (*Bruchus*)

**Distribution.** Cuba, México, El Salvador,  
Costa Rica, Venezuela

**Cuba localities.** Hosts: *Lonchocarpus*,  
*Piscidia*

**Collections.**

**Meibomeus Bridwell 1946: 54**

*M. relictus* (Suffrian) 1870: 156 (*Bruchus*);  
Gundlach 1891: 263; Kingsolver and Whitehead  
1976:5

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Nueva Gerona. ?  
Guamacaro sabana. Hosts: unknown for Cuba;  
other species attack seeds of *Adesmia*,  
*Desmodium*, *Poiretia* and *Zornia*

**Collections.** Pittsburgh. Gundlach no. 563

**Merobruchus Bridwell 1946: 54**

*M. lysilomae* Kingsolver 1988: 25

**Distribution.** Cuba, Bahamas, Hispaniola,  
USA (FL)

**Cuba localities.** Hosts: *Acacia*, *Albizia*,  
*Lysiloma*

**Collections.**

**Mimosestes Bridwell 1946: 54**

*M. insularis* Kingsolver and Johnson 1978: 35

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
Curaçao, Colombia, USA (Hi)

**Cuba localities.** SC. Hosts: *Acacia farnesiana*,  
*Prosopis*

**Collections.** Gainesville. Gatineau.

*M. mimosae* (Fabricius) 1781: 76 (*Bruchus*);  
Kingsolver and Johnson 1978: 42

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
Curaçao, Trinidad, México to Brazil, USA (FL)

**Cuba localities.** SC. Hosts: *Acacia*,  
*Caesalpinia*, *Ceratonia*, *Parkinsonia*

**Collections.** Gatineau. Gainesville

*M. nubigens* (Motschulsky) 1874: 237 (*Bruchus*);  
Kingsolver and Johnson 1978: 49

**Distribution.** Cuba, Puerto Rico, México to  
Panamá, Brazil, USA (FL, TX, AZ, CA, HI),  
Philippine Islands, New Caledonia

**Cuba localities.** SC. Hosts: *Acacia*, *Prosopis*

**Collections.** Gatineau. Gainesville

**Sennius Bridwell 1946: 55**

*S. fallax* (Boheman) 1839: 59 (*Bruchus*)

*Bruchus xanthopus* Suffrian 1870: 156; Gundlach  
1891: 262

**Distribution.** Cuba, Puerto Rico, México,  
Costa Rica, Panamá, USA (FL, GA)

**Cuba localities.** M: Cienaga de Zapata. Hosts:  
*Cassia*

**Collections.** Gundlach no. 841

*S. morosus* (Sharp) 1885: 467 (*Bruchus*)

**Distribution.** Cuba, México to Panamá, USA  
(TX)

**Cuba localities.** Hosts: *Cassia*

**Collections.**

*S. rufomaculatus* (Motschulsky) 1874: 222  
(*Bruchus*)

**Distribution.** Cuba, Hispaniola, Jamaica,  
Puerto Rico, Grenada, México to Colombia

**Cuba localities.** Host: *Cassia*

**Collections.**

**Stator Bridwell 1946: 55**

*S. bottimeri* Kingsolver 1972: 225

**Distribution.** Cuba, Bahamas, USA (FL;  
Keys only)

**Cuba localities.** Ca: Camagüey. Ci: Cayamas;  
Soledad. SC: Santiago de Cuba (t.l.). Hosts:  
*Acacia farnesiana*, *Acacia pinetorum*

**Collections.** Cambridge. New York. Ottawa.  
Washington (type)

*S. rugulosus* Kingsolver 1972: 221

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá (t.l.). Host:  
*Pithecellobium discolor*

**Collections.** Washington (type)

## REFERENCES

- Alvarez M.D. and J.M. Kingsolver. 1997. A preliminary list of the Bruchidae (Coleoptera) of Cuba. Ent. News 108: 215-221.
- Genaro, J. and J.M. Kingsolver. 1997. *Amblycerus schwarzi* (Coleoptera: Bruchidae) attacking seeds of the tropical almond *Terminalia* (Combretaceae) in Cuba. Entomol News 108: 229-230.
- Johnson, C.D. and J.M. Kingsolver. 1981. Checklist of the Bruchidae (Coleoptera) of Canada, United States, México, Central America, and the West Indies. Coleop. Bull. 35: 409-422.
- Kingsolver, J.M. 1970. A synopsis of the subfamily Amblycerinae Bridwell in the West Indies, with descriptions of new species (Coleoptera: Bruchidae). Trans. Amer. Ent. Soc. 96: 469-497.
- Kingsolver, J.M. 1972. Synopsis of the genus *Stator* Bridwell in the West Indies, with descriptions of new species. Proc. Ent. Soc. Wash. 74: 219-229.
- Kingsolver, J.M. 1988. Biosystematics of the genus *Merobruchus* of continental North America and the West Indies (Coleoptera: Bruchidae). U.S. Dept. Agric. Tech. Bull. 1744: 1-63.
- Kingsolver, J.M. and C.D. Johnson. 1978. Systematics of the genus *Mimosestes* (Coleoptera: Bruchidae). US. Dept. Agric. Tech. Bull no. 1590. 106 pp.



**Kingsolver, J.M. and D.R. Whitehead.** 1976. The North and Central American species of *Meiobomeus* (Coleoptera: Bruchidae: Bruchinae). US Dept. Agric. Tech. Bull. 1523. 54 pp.

**Nilsson, J.A. and C.D. Johnson.** 1990. A new species of palm bruchid from Cuba (West Indies) and a redescription of *Caryobruchus gleditsiae* (L.) (Coleoptera: Bruchidae: Pachymerinae). Coleop. Bull. 44: 50-59.

**Teran, A.L. and J.M. Kingsolver.** 1977. Revision del genero *Megacerus* (Coleoptera: Bruchidae). Opera Lilloana 25: 1-287.

#### 157. FAMILY MEGALOPODIDAE

This family is represented in the Neotropics by the subfamily Megalopodinae, and the larvae are stem borers. Many species occur in the Neotropics, but seemingly none occur in the West Indies.

#### 158. FAMILY ORSODACNIDAE.

The family is Holarctic and Neotropical in distribution. The Aulacoscelininae range from the southwestern USA to South America. None are known from the West Indies.

#### 159. FAMILY CHRYSOMELIDAE

The leafbeetles

Reviewed by Shawn M. Clark, March, 1997, and Charles Staines, March, 1998.

Adults and many larvae feed on leaves of angiosperms. Some larvae occur in soil and feed on roots, some are case-bearers in litter, and Hispinae are leaf miners. The family includes many agricultural pests. Wilcox (1983) includes the West Indian fauna as a part of a summary of the North American fauna.

#### SUBFAMILY DONACIINAE

##### TRIBE DONACIINI

***Donacia* (s.str.) Fabricius 1775: 126**

*D. cincticornis* Newman 1838: 391

*D. antillarum* Suffrian 1864: 282; Gundlach 1891: 338

**Distribution.** Cuba, México, Honduras, USA (TX-ND-ME-FL), Canada (MB-NS)

**Cuba localities.** M: Cienaga de Zapata; larvae are aquatic and feed on submerged vegetation

**Collections.** Gundlach no. 1104

#### SUBFAMILY CRIOCERINAE

##### TRIBE LEMIINI

***Lema* Fabricius 1798: 90** (see White 1993)

*L. alpinista* Zayas 1988: 117

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*L. bifida* (Olivier) 1808: 737 (*Criocerus*); Jacquelin du Val 1857: 284

*Criocerus punctata* Olivier 1791: 199

**Distribution.** Cuba, Guadeloupe

**Cuba localities.**

**Collections.**

*L. caeruleipennis* Lacordaire 1845: 386; Jacquelin du Val 1857: 280; Gundlach 1891: 338;

Medvedev 1993: 4

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras. M: Matanzas

**Collections.** Gundlach no. 916. Medvedev

*L. confusa* Chevrolat 1835: 116; Jacquelin du Val 1857: 282; Gundlach 1891: 340; White 1993: 27; Medvedev 1993: 4

**Distribution.** Cuba, Jamaica, Puerto Rico, México to Panamá, Colombia, USA (FL)

**Cuba localities.** Ha: Havana. M: Cárdenas

**Collections.** Gundlach no. 297. Medvedev

*L. cubana* deBorre 1881: 77

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*L. internejuncta* Pic 1947: 9

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*L. lorenzoi* Zayas 1988: 116

**Distribution.** Cuba. Endemic

**Cuba localities.** PP: Pan de Guajaiban (t.l.)

**Collections.** Zayas (type)

*L. lunigera* Suffrian 1866: 284; Gundlach 1891: 340; Medvedev 1993: 5

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras. SC: Gran Piedra

**Collections.** Gundlach no. 1483. Medvedev

*L. mannerheimi* Lacordaire 1845: 384; Jacquelin du Val 1857: 279

*Criocerus tuberculata* Guérin-Méneville 1844: 264

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

*L. occidentalis* Zayas 1988: 118

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Consolacion del Norte (t.l.)

**Collections.** Zayas (type)

*L. orientalis* Zayas 1988: 119. This name may be a junior homonym and may need replacement (White 1981: 37)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Caney. SC: Santa María. Type locality not given

**Collections.** Zayas (type)

*L. perizonata* Lacordaire 1845: 397 (a replacement name for the junior secondary homonym below (White 1981: 37); Jacquelin du Val 1857: 281; Gundlach 1891: 339

*L. marginata* Guérin-Ménéville in Chevrolat 1838: 285

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 296

*L. placida* Lacordaire 1845: 397 (404); Jacquelin du Val 1857: 282; Gundlach 1891: 339

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas. SS: Trinidad

**Collections.** Gundlach no. 152

*L. poeyi* Lacordaire 1845: 510; Jacquelin du Val 1857: 287; Gundlach 1891: 343; Medvedev 1993:5

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Rio Cristal. M: Cárdenas. SC: Santiago de Cuba

**Collections.** Gundlach no. 532. Medvedev

*L. postica* Guérin-Ménéville in Chevrolat 1838: 285; Jacqueline du Val 1857: 285; Gundlach 1891: 431

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cárdenas

**Collections.** Gundlach no. 435

*L. punctatofasciata* Lacordaire 1845: 494; Gundlach 1891: 341

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1147

*L. quadricolor* Lacordaire 1845: 402; Jacquelin du Val 1857: 281; Medvedev 1993: 4

**Distribution.** Cuba, México

**Cuba localities.** Widespread

**Collections.** Medvedev

*L. trilinea* White 1981: 50 (replacement name for *C. trilineata* (Olivier) (*Crioceris*); White 1993: 7

*Crioceris trilineata* Olivier 1808: 739; Jacquelin du Val 1857: 283

**Distribution.** Cuba, México, Costa Rica, USA (widespread)

**Cuba localities.**

**Collections.**

### ***Neolema* Monros 1951: 472**

*N. dorsalis* (Olivier) 1791: 201 (*Crioceris*); Jacquelin du Val 1857: 286 (*Lema*); Gundlach 1891: 342; Medvedev 1993: 4 (*Lema*)

**Distribution.** Cuba, Hispaniola, Puerto Rico, St. Vincent, Grenada, México, Panamá, South America

**Cuba localities.** ? Ramón. Gu: Guantnamo. SS: Trinidad

**Collections.** Gundlach no. 1484. Medvedev

*N. gundlachiana* (Suffrian) 1874: 152 (*Lema*); White 1993: 66

*Lema intermedia* Suffrian 1866: 287; Gundlach 1891: 342

**Distribution.** Cuba, Hispaniola, USA (FL)

**Cuba localities.** M: Colón

**Collections.** Gundlach no. 1534

## SUBFAMILY HISPINAE

### TRIBE CEPHALOLEIINI

### ***Cephaloleia* Chevrolat 1837: 390**

*C. barroii* Uhmman 1959: 617

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Lomas de Trinidad (t.l.)

**Collections.** Eberswalde (type?)

### ***Melanispa* Baly 1856: 30**

*M. bicolor* Zayas 1960b: 132

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Pico Potrerillos (t.l.)

**Collections.** Zayas (type)

### TRIBE CHALEPINI

### ***Anisostena* Weise 1910: 120**

*A. cyanoptera* (Suffrian) 1868: 227 (*Odontota*); Gundlach 1891: 389; Sanderson 1967: 138; Staines 1994: 130

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.** Widespread

**Collections.** Amsterdam. Cambridge. Champaign. Gainesville. Gundlach no. 423. Washington

### ***Chalepus* Thunberg 1805: 282**

*C. bicolor* (Olivier) 1792: 96 (*Odontota*)

*Odontota rufogaster* Thunberg 1805: 282

*Odontota rufiventris* Suffrian 1868: 229; Gundlach 1891: 390

**Distribution.** Cuba, widespread USA

**Cuba localities.** C. Staines has seen no Cuban specimens

**Collections.**

*C. sanguinicollis* (Linnaeus) 1771: 530; Blake 1970a: 126; Sanderson 1967: 137; Medvedev 1993:9

*C. s. axillaris* (Jacquelin du Val) 1856: 313 (*Odontota*); Gundlach 1891: 389 (*O. auxillaris*)

*C. s. australis* Uhmman 1935: 239 (Cuba, Hispaniola, Colombia)

**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, Virgin Islands, South America, USA (FL). Hosts: *Sorghastrum setosum* and *Trichachne insularis* (Gramineae)

**Cuba localities.** Ha: Santiago de las Vegas.

M: Arroyo Bermejo. PR: Sierra Anafe; Rangel

**Collections.** Brno. Gundlach no. 490; no. 298 (*auxillaris*). Medvedev. Washington

### ***Octhispa* Chapuis 1877: 23**

*O. testaceipes* Pic 1929: 13

*Uroplata tricolor* Suffrian 1868: 232 (Cuba); Gundlach 1891: 390

**Distribution.** Cuba, Panamá

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 907

### ***Octotoma* Dejean 1837: 390**

*O. gundlachii* Suffrian 1868: 234; Gundlach 1891: 391; Staines 1989: 46; Medvedev 1993: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad. Gu: Yateras. Ha: Havana; Loma de Camoa. Ho: Loma de Moa.

M: Cárdenas. In flowers of *Lantana camara*

**Collections.** Cambridge. Gainesville. Gundlach no. 192. Medvedev. Staines. Washington

### ***Pentispa* Chapuis 1875: 322**

(*P. cristata* Chapuis 1877: 21)

**Distribution.** Cuba?, Antilles

**Cuba localities.**

**Collections.**

### ***Spaethispa* Uhmman 1940: 333 (*Uroplata*)**

*S. pulchella* (Suffrian) 1868: 230 (*Uroplata*); Gundlach 1891: 390

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Manzanillo. Ci: Yaguaramas

**Collections.** Gundlach no. 1482

## TRIBE HEMISPHAEROTINI

### ***Hemisphaerota* Chevrolat 1837: 397**

*H. bimaculata* Blake 1971: 279

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá (t.l.)

**Collections.** Washington (type)

*H. fallax* (Suffrian) 1868: 237 (*Porphyraspis*); Gundlach 1891: 392

**Distribution.** Cuba. Endemic

**Cuba localities.** VC: Las Pozas

**Collections.** Gundlach no. 1270

*H. flavipes* Zayas 1988: 145

**Distribution.** Cuba. Endemic

**Cuba localities.** M: pinelands of Cienaga de Zapata (t.l.)

**Collections.** Zayas (type)

*H. gundlachi* (Boheman) 1862: 43 (*Porphyraspis*); Gundlach 1891: 392; Medvedev 1993: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: in leaves of miraguano

**Collections.** Gundlach no. 1232. Medvedev

*H. materna* Zayas 1952: 71

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Bahía de Cochinos, on palmettos (t.l.)

**Collections.** Zayas (type)

*H. quadrimaculata* Blake 1971: 280

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Santiago de las Vegas (t.l.)

**Collections.** Washington (type)

*H. xanthocera* (Boheman) 1850: 98 (*Porphyraspis*); Jacquelin du Val 1857: 314; Gundlach 1891: 391 (*P. scanthocera*); Medvedev 1993: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: La Fé. on miraguano

**Collections.** Gundlach no. 219. Medvedev

## TRIBE OMO CERINI

### ***Omocerus* Chevrolat 1835: 119**

*O. taurus* (Fabricius) 1787: 380 (*Tauroma*); Jacquelin du Val 1857: 315; Gundlach 1891: 399; Chaboo 2002: 719

**Distribution.** A South American species (Colombia to Trinidad to Brazil); possibly an erroneous record or misidentification for Cuba. Accepted as a Cuba record as *O. (O.). taurus* (Boheman) by Chaboo 2002: 719, without additional data, and with a new record for Jamaica

## TRIBE MESOMPHALIINI

### ***Chelymorpha* Boheman 1854: 1**

*C. comata* Boheman 1854: 4; Medvedev 1993: 10

**Distribution.** Cuba, Mexico to Honduras

**Cuba localities.** Ha: Miranao, coast

**Collections.** Medvedev

*C. fimbrialis* Suffrian 1868: 241; Gundlach 1891: 393

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1905

*C. geniculata* Boheman 1854: 39

*C. argus* Herbst; Jacquelin du Val 1857: 316; Gundlach 1891: 393

**Distribution.** Cuba, Puerto Rico, USA (FL)

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 122 (*C. argus*)

*C. lurida* Suffrian 1868: 240; Gundlach 1891: 393 (*C. burida*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1904

### *Elytrogonia* Chevrolat 1837: 394

*E. bulla* Boheman 1862, 193; Chaboo 2000: 387

*E. ampulla* Olivier 1808: 958; Gundlach 1891: 400 (misidentifications)

**Distribution.** Cuba, Endemic

**Cuba localities.** SC: Pico Turquino and vicinity

**Collections.** Havana. New York. Washington

### *Stoiba* Spaeth 1909: 720

*S. angusticollis* (Suffrian) 1868: 239 (*Chelymormpha*); Gundlach 1891: 393

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Rangel

**Collections.** Gundlach no. 1266

*S. barroii* Zayas 1952: 72

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: between Pico Mocha and Pico Joaquim (t.l.)

**Collections.** Zayas (type)

*S. bruneri* Blake 1930: 219

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** Washington (type)

*S. clarildae* Zayas 1939: 253

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yunque de Baracoa (t.l.)

**Collections.** Havana. Washington (type). Zayas

*S. decemmaculata* Blake 1930: 221

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** New York. Washington (type)

*S. fascicollis* Blake 1934: 54

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad, SS: Buenos Aires (t.l.)

**Collections.** Washington (type)

*S. flavicollis* (Klug) 1829: 14 (*Cassida*); Jacquelin du Val 1857: 316 (*Chelymormpha*); Gundlach 1891: 392; Medvedev 1993: 9

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread in highlands

**Collections.** Gundlach no. 897. Medvedev

*S. indivisa* Blake 1930: 218

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.)

**Collections.** New York. Washington (type)

*S. marginata* Blake 1934: 53

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad, SS: Buenos Aires (t.l.)

**Collections.** Washington (type)

*S. nigricans* Zayas 1939: 255

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.)

**Collections.** Washington (type)

*S. oteroi* Zayas 1952: 72

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Lomas de Trinidad (t.l.)

**Collections.** Zayas (type)

## TRIBE ISCHYROSONYCHINI

### *Physonota* Boheman 1854: 90

*P. vitrea* (Boheman) 1854: 239 (*Eurypepla*); Jacquelin du Val 1857: 318; Gundlach 1891: 395,400

**Distribution.** Cuba, Bahamas?

**Cuba localities.**

**Collections.** Gundlach no. 1144

## TRIBE DORYNOTINI

### *Paratrikona* Apaeth 1923: 65

*P. lerouxii* (Boheman) 1854: 183 (*Batonota*); Jacquelin du Val 1857: 318; Gundlach 1891: 394

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas. SS: Trinidad (Baría)

**Collections.** Gundlach no. 50

*P. turritella* Blake 1937: 76

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** Washington (type)



## TRIBE CASSIDINI

***Agroiconota* Spaeth 1913: 142***A. camagueyana* Zayas 1988: 146**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Sabana. SC: Siboney.

Type locality not given

**Collections.** Zayas (type)*A. cubana* Blake 1970a: 125**Distribution.** Cuba. Endemic**Cuba localities.** Ca: Julioa Agos. Ha: Alamar (t.l.); Cojimar**Collections.** Brno (type)*A. propinqua* (Boheman) 1855: 289 (*Metriona*); Chaboo 2002: 716**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, Nicaragua to Colombia and Venezuela**Cuba localities.****Collections.*****Charidotella* Weise 1896: 13***C. bisbinotata* (Boheman) 1855: 144 (*Coptocyclus*); Gundlach 1891: 396; Blake 1966b: 221 (*Metriona*); Borowiec 1989: 214 (transferred from *Coptocyclus*); Medvedev 1993: 10 (*Metriona*)**Distribution.** Cuba, Puerto Rico**Cuba localities.** Gr: Bayamo. Ha: Miranao, coast. M: Cárdenas**Collections.** Gundlach no. 1148. Medvedev*C. oblita* (Suffrian) 1868: 247 (*Coptocyclus*); Gundlach 1891: 398**Distribution.** Cuba. Endemic**Cuba localities.****Collections.***C. quadrisignata* (Boheman) 1855: 150 (*Coptocyclus*); Gundlach 1891: 397; Blake 1966b: 220 (*Metriona*); Medvedev 1993: 10 (*Metriona*)**Distribution.** Cuba, Hispaniola, Puerto Rico**Cuba localities.** Widespread**Collections.** Gundlach no. 218. Medvedev*C. sexpunctata* (Fabricius) 1781: 109 (*Cassida*); Jacquelin du Val 1857: 319**Distribution.** Cuba, widespread in West Indies, Canada to Argentina**Cuba localities.****Collections.***C. subsignata* (Boheman) 1862: 402 (*Coptocyclus*)**Distribution.** Cuba, Hispaniola, Puerto Rico**Cuba localities.****Collections.*****Coptocyclus* Chevrolat 1837: 396***C. conflagrata* Boheman 1855: 294; Gundlach 1891: 398**Distribution.** Cuba. Endemic**Cuba localities.** M: Cárdenas**Collections.** Gundlach no. 417**Note.** Possibly belonging to the genus *Agroiconota* (Shawn Clark, in litt.)*C. dorsopunctata* (Klug) 1829: 14 (*Psalidonota*); Jacquelin du Val 1857: 320; Gundlach 1891: 395; Medvedev 1993: 9 (*Psalidonota*)**Distribution.** Cuba, México**Cuba localities.** Widespread**Collections.** Gundlach no. 216. Medvedev***Deloyala* Chevrolat 1837: 371***D. guttata* (Olivier) 1790: 383 (*Coptocyclus*); Gundlach 1891: 398 (*C. gattuta*); Medvedev 1993: 10**Distribution.** Cuba, Hispaniola, Puerto Rico, México, South America, e USA**Cuba localities.** Widespread**Collections.** Gundlach no. 217. Medvedev***Floridocassis* Spaeth 1952: 348***F. repudiata* (Suffrian) 1868: 249 (*Coptocyclus*); Gundlach 1891: 398; Riley 1986: 111**Distribution.** Cuba, USA (SC-FL-MS). Host: *Ipomoea sagittata* Poir.**Cuba localities.****Collections.** Gundlach no. 1917***Plagiometriona* Spaeth 1899: 219***P. tortuguilla* Zayas 1988: 148**Distribution.** Cuba. Endemic**Cuba localities.** Gu: Tortuguilla (t. l.); on *Rochfortia steliata* Bon., a spiny plant (Solanaceae)**Collections.** Zayas (type)

## SUBFAMILY CHRYSOMELINAE

## TRIBE CHRYSOMELINI

## SUBTRIBE DORYPHORINA

***Leptinotarsa* Stål 1838: 475***L. undecimlineata* Stål 1858: 316; Medvedev 1993: 7**Distribution.** Cuba, Central and South America. *Solanum torvum* is the usual host**Cuba localities.** Widespread**Collections.** Medvedev***Leucocera* Stål 1858: 477***L. garciai* Zayas 1988: 134

- Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Pinares de Baracoa. Ha: Cayo Piedra, Cocodrilo. Ho.: Moa, El Johnson. IJ. Type locality not given  
**Collections.** Zayas (type)
- L. guanahacabibensi* Zayas 1988: 135  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guanahacabibes (t.l.)  
**Collections.** Zayas (type)
- L. hexaspila* (Suffrian) 1867: 296 (*Chrysomela*); Gundlach 1891: 369; Daccordi 1995: 38
- L. amarella* (Suffrian) 1867: 298 (*Chrysomela*); Gundlach 1891: 369; Daccordi 1995: 38  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1876
- L. ileanae* Daccordi 1995: 40  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Tortuguilla (t.l.)  
**Collections.** Havana (type)
- L. insulana* (Jacquelin du Val) 1856: 302 (*Chrysomela*); Gundlach 1891: 365; Daccordi 1995: 38
- L. insularis* Stål 1858: 478; Daccordi 1995: 38  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Western Cuba  
**Collections.** Gundlach no. 220
- L. nydia* (Stål) 1865: 203 (*Chrysomela*); Gundlach 1891: 366. Probably a synonym of *L. testaceipes*; Daccordi 1995: 42  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread.  
**Collections.** Gundlach no. 1469
- L. optica* Suffrian 1867: 293; Gundlach 1891: 368  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 433
- L. poeyi* (Chevrolat) 1838: 285 (*Chrysomela*); Jacquelin du Val 1857: 301; Gundlach 1891: 368; Medvedev 1993: 7
- L. apicicornis* (Chevrolat) 1838: 286 (*Chrysomela*); Gundlach 1891: 367 (Gundlach no. 221); Daccordi 1995: 36; Medvedev 1993: 7
- L. cubana* Stål 1858: 477; Daccordi 1995: 36
- L. rubropustalata* (Suffrian) 1867: 295 (*Chrysomela*); Gundlach 1891: 368 (Gundlach no. 1875); Daccordi 1995: 36  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos. Gu: Tortuguilla. Ha: Las Canas; Litoral de Marianao; Santiago de las Vegas. M: Cardenas; Cuabales de San Francisco. SC: Juraguá  
**Collections.** Gundlach 1891: 131. Havana. Medvedev
- L. semilutea* Stål 1860: 459
- L. semicaerulea* Achard 1923; Daccordi 1995: 38  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- L. sexguttata* Chevrolat 1858: 211; Gundlach 1891: 366 (*Crysomela*); Daccordi 1995: 36; Medvedev 1993: 7  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz. Gu: Caimanera; Guantánamo; Tortuguilla. SC: Sierra Mestra; Varsalles  
**Collections.** Gundlach no. 1264. Havana. Medvedev
- L. testaceipes* Stål 1858: 477 (*Chrysomela*); Gundlach 1891: 366  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

## SUBTRIBE CHRYSOMELINA

***Chrysomela* Linnaeus 1758: 368**

- C. (Microdera) cruentipennis* Jacquelin du Val 1856: 125; Gundlach 1891: 369  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cardenas; Cienaga de Zapata  
**Collections.** Gundlach no. 323

***Phaedon* Latreille 1829: 151**

- P. cubensis* Blake 1960: 98  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Ciudadmar (t.l.)  
**Collections.** Washington (type). Zayas
- P. splendicans* Stål 1860: 470; Gundlach 1891: 370 (*Chrysomela splendida*)  
*Chrysomela splendidum* Suffrian 1867: 300  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo  
**Collections.** Gundlach no. 1146
- P. zayasi* Blake 1960: 100  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Zayas (type female)

***Plagioderia* Chevrolat 1837: 428**

- P. bicolor* Zayas 1988: 135  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: San Miguel de los Baños (t.l.)  
**Collections.** Zayas (type)
- P. cubensis* (Blake) 1960: 98 (*Plagioderia*); Balsbaugh and Daccordi 1987: 36

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Ciudad del Mar (t.l.)  
**Collections.** Washington (type)

*P. zayasi* (Blake) 1960: 100; Balsbaugh and Daccordi 1987: 38

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Zayas (type)

**SUBFAMILY GALERUCINAE**  
**TRIBE GALERUCINI**

***Miraces* Jacoby 1888: 611**

*M. barberi* (Blake) 1951b: 141 (replacement name for *Dicoelotrachelus violaceus* Blake)

*M. violaceus* (Blake) 1948a: 121 (*Dicoelotrachelus*)

**Distribution.** Cuba, Puerto Rico  
**Cuba localities.**  
**Collections.**

*M. dichroa* (Suffrian) 1868: 203 (*Haltica*); Gundlach 1891: 384; Blake 1951b: 140 (*Halticidea*)

*Asbecesta violaea* Allard 1890: 87

**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Santiago de Cuba  
**Collections.** Gundlach no. 1500

***Monocesta* Clark 1965: 264**

*M. cubensis* Blake 1959a: 178 (properly belongs in *Trirhabda* Leconte 1865: 219; S. Clarke, in litt.)

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, La Breña (t.l.)  
**Collections.** Zayas (type female)

*M. opacipennis* (Jacquelin du Val) 1856: 304 (*Coelomera*); Gundlach 1891: 371 (*Galleruca*)

**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 149

***Neolochmaea* Laboissiere 1939: 153**

(*N. dilatipennis* (Jacoby) 1886: 487)

**Distribution.** Cuba (?), widespread from Florida to South America, and on many West Indian islands

**Cuba localities.**  
**Collections.**

*N. immaculata* (Blake) 1938: 48 (*Galerucella*)

**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mts. N Imias (t.l.)  
**Collections.** Cambridge (type)

***Nyctiplanctus* Blake 1963: 15**

*N. insulana* (Blake) 1946b: 113 (*Chthoneis*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Camaguey. Ha: Santiago de la Vegas (t.l.). LT: Omaja

**Collections.** Washington (type)

*N. insularis* (Harold) 1875: 93 (*Chthoneis*); Blake 1963: 14

*N. loricata* Suffrian 1857: 311 (*Diabrotica*); Gundlach 1891: 373

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 32. Washington

*N. vittata* (Blake) 1959a: 180 (*Chthoneis*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho Moa; Piloto (t.l.)

**Collections.** Washington (type male); Zayas

***Yingaresca* Bechyné 1956: 298**

*Y. maculata* (Blake) 1970a: 121 (*Galerucella*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Brno (type)

*Y. maculipes* (Blake) 1930: 217 (*Galerucella*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino summit (t.l.)

**Collections.** Washington (type)

*Y. melanocephala* (Blake) 1959a: 178 (*Galerucella*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Moa, La Breña (t.l.); Moa, Piloto. Gu: Yunque

**Collections.** Washington (type male)

*Y. oteroi* (Blake) 1934: 49 (*Galerucella*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad, SS: Buenos Aires (t.l.)

**Collections.** Washington (type)

*Y. venustala* (Suffrian) 1867: 303 (*Galerucella*); Gundlach 1891: 371 (*G. veniustula*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa. M: Cárdenas. On ateje (*Cordia*)

**Collections.** Gundlach no. 322

**TRIBE LUPERINI**

***Acalymma* Barber 1947: 154**

*A. annulatum* (Suffrian) 1867: 307 (*Diabrotica*); Gundlach 1891: 372

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1575

*A. bivittatum* (Fabricius) 1801: 455 (*Crioceris*); Gundlach 1891: 372

**Distribution.** Cuba, Hispaniola, Puerto Rico, Grenada, St. Vincent, South America

- Cuba localities.** Widespread. In calabaza (squash) flowers  
**Collections.** Gundlach no. 153
- A. innubum* (Fabricius) 1775: 117 (*Crioceris*); Jacquelin du Val 1857: 305 (*Diabrotica*); Gundlach 1891: 371  
**Distribution.** Cuba, Puerto Rico, Guadeloupe, México to S. America  
**Cuba localities.** Widespread. In calabaza (squash) flowers  
**Collections.** Gundlach no. 31
- Cerotoma Chevrolat 1837: 403***  
*C. ruficornis* (Olivier) 1791: 200; Medvedev 1993: 8 (*Cerocoma*); Fernandez Garcia 1998b: 8  
*C. denticornis* (Fab.) 1801: 457; Jacquelin du Val 1857: 304; Gundlach 1891: 374  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, USA to Costa Rica  
**Cuba localities.** Ha: Loma de Camoa. IJ: Nueva Gerona. M: Cárdenas. SS: Trinidad. An important pest of beans (Heyer et al. 1993, listed as *Andrector ruficornis* (Oliv.))  
**Collections.** Gundlach no. 375. Medvedev. Pittsburgh
- Coelomera Chevrolat 1837: 399***  
*C. liturata* Suffrian 1876: 300; Gundlach 1891: 370; Blake 1959a: 178  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Caimanera; Guantánamo  
**Collections.** Gundlach no. 1487
- Diabrotica Chevrolat 1837: 404***  
*D. balteata* LeConte 1865: 213; Medvedev 1993: 7  
**Distribution.** Cuba; widespread in USA, south to Colombia  
**Cuba localities.** Ha: Santiago de las Vegas. PR: San Cristobal. An important pest of beans and corn in Cuba (Heyer et al. 1989; 1993)  
**Collections.** Medvedev  
*D. graminea* Baly 1886: 443  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.**  
**Collections.**  
*D. impressa* Suffrian 1867: 309; Gundlach 1891: 373  
**Distribution.** Cuba. Puerto Rico  
**Cuba localities.** Gu: Baracoa; Monte Toro  
**Collections.** Gundlach no. 1486  
*D. pulchella* Jacquelin du Val 1856: 307; Gundlach 1891: 372; Blake 1956: 143 (illustration)  
**Distribution.** Cuba, Central America
- Cuba localities.** Widespread  
**Collections.** Gundlach no. 430  
*D. relicta* Suffrian 1867: 310; Gundlach 1891: 373  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 393
- Dicoelotrachelus Blake 1941: 171***  
*D. cubensis* Blake 1946b: 111  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato (t.l.)  
**Collections.** Cambridge (type)  
*D. sulcatus* Blake 1946b: 112  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mts. N of Imias (t.l.)  
**Collections.** Cambridge (type)
- Ectmesopus Blake 1940: 96***  
*E. cubensis* Zayas 1988: 137  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Juraguá (t.l.)  
**Collections.** Zayas (type)  
*E. malachioides* (Suffrian) 1867: 319 (*Luperus*); Gundlach 1891: 375  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 138  
*E. nigrolimbatus* Blake 1959a: 181  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa; Piloto (t.l.)  
**Collections.** Zayas (type female)  
*E. occipitalis* Blake 1940: 100  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad. Ha: Cojimar (t.l.)  
**Collections.** Cambridge. Washington (type)  
*E. placidus* (Suffrian) 1867: 320 (*Luperus*); Gundlach 1891: 375  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. rhabdotus* Blake 1966a: 243  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: San Jose de las Lajas; Somorrostro. PR: Bahia Honda (t.l.)  
**Collections.** Washington (type)  
*E. zayasi* Blake 1959a: 181  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: San Jose de las Lajas (t.l.); Somorrostro  
**Collections.** Zayas (type male)
- Erynephala Blake 1936: 425***  
(*E. maritima* (LeConte) 1865: 218)



**Distribution.** Jamaica, Canada (NS), USA (TX-FL-MA)  
**Cuba localities.**  
**Collections.**

**Isotes Weise 1922: 64**

(*I. albicornis* (Fabricius) 1798: 96)

*Diabrotica thoracica* Fabricius 1801: 457; Gundlach 1891: 374

**Distribution.** Hispaniola, Puerto Rico (old Cuba records may be based on very similar *Synbrotica darlingtoni* (Blake) 1937: 69 of Hispaniola, and possibly of Cuba)

**Cuba localities.**

**Collections.** Gundlach no. 283

**Leptonesiotes Blake 1958: 78**

*L. cyanospila* (Suffrian) 1867: 313 (*Diabrotica*); Gundlach 1891: 373

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Rangel

**Collections.** Gundlach no. 1268

*L. quadrimaculata* Blake 1959a: 182

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Rancho Luna (t.l.)

**Collections.** Zayas (type female)

*L. semicyaneus* (Suffrian) 1867: 314 (*Diabrotica*); Gundlach 1891: 374

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa

**Collections.** Gundlach no. 1485

TRIBE ALTICINI

The flea beetles

**Aedmon Clark 1860: 129**

*A. ferruginea* (Suffrian) 1868: 174 (*Hadropoda*); Gundlach 1891: 378.; Blake 1943: 413

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cardenas; Cienaga de Zapata. ?Guamacaro

**Collections.** Gundlach no. 979

*A. turquinesis* (Blake) 1943: 429; (*Hadropoda*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Harvard (type)

**Alagoasa Bechyné 1955: 8**

[(*A. bicolor* (Linnaeus) 1767: 593; Jacquelin du Val 1857: 308 (*Oedionychis*))]

**Distribution.** Puerto Rico, Virgin Islands; probably not Cuba (see Blake 1940: 173)

**Cuba localities.**

**Collections.**

**Altica Müller 1764: 14**

*A. purpurascens* (Suffrian) 1878: 199 (*Haltica*); Gundlach 1891: 383 (*H. purpurasiens*)

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Gr: Guisa. SC: Santiago de Cuba

**Collections.** Gundlach 1491: 1491

**Note.** Jacquelin du Val reported *A. oleracea* from Cuba, but this is a European species

*A. subaurea* (Suffrian) 1868: 199 (*Haltica*); Gundlach 1891: 383

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cárdenas

**Collections.** Gundlach no. 425

**Aphthona Chevrolat 1842: 5. Note.** True

*Aphthona* are confined to the Old World. These species will need to be reclassified (Shawn Clark, in litt.)

*A. auripennis* (Suffrian) 1868: 212 (*Haltica*); Gundlach 1891: 386

**Distribution.** Cuba, Puerto Pico

**Cuba localities.** Ca: Manzanillo

**Collections.** Gundlach no. 1499

*A. compressa* Suffrian 1868: 211; Gundlach 1891: 385

**Distribution.** Cuba, West Indies (where?)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 371

(*A. maculipennis* Jacoby 1885: 365; see Blake 1964: 10)

**Distribution.** Puerto Rico, México, Guatemala, Panamá

**Cuba localities.**

**Collections.**

*A. nana* Blake 1949: 368

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá. Ha: Havana; Ho: Sierra de Anafe, Caimito. (t.l.)

**Collections.** Washington (type)

*A. ruficollis* Blake 1970b: 123

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Arroyo Bermejo (t.l.)

**Collections.** Brno (type)

*A. schwarzi* Blake 1949: 368

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

**Apraea Baly 1877: 293**

*A. bruneri* (Blake) 1948a: 123; (*Glyptobregma*)

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad; Buenos Aires (t.l.)

- Collections.** Washington (type)
- A. clathrata* (Suffrian) 1868: 189 (*Glyptobregma*); Gundlach 1891: 380 (*Haltica*); Blake 1951: 140  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 766
- A. interstitiale* (Suffrian) 1868: 187 (*Glyptobregma*); Gundlach 1891: 380 (*Haltica*); Blake 1951b: 140  
**Distribution.** Cuba. Endemic (Puerto Rico records are misidentifications; Blake 1947a: 92)  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 402
- A. minima* Blake 1970a: 124  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Topes de Collantes (t.l.)  
**Collections.** Brno (type)
- A. pyritosa* (Suffrian) 1868: 189 (*Glyptobregma*); Gundlach 1891: 381 (*Haltica*); Blake 1951b: 140  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cardenas; Cienaga de Zapata  
**Collections.** Gundlach no. 871
- A. robusta* (Suffrian) 1868: 191 (*Glyptobregma*); Gundlach 1891: 381 (*Haltica*); Blake 1951b: 140  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1297
- A. turquinense* (Blake) 1947a: 94 (*Glyptobregma*); Blake 1951b: 140  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Harvard (type)
- A. zapatensi* Zayas 1988: 139  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Zapata Peninsula; San Blas (t.l.)  
**Collections.** Zayas (type)

***Argopistes* Motschulsky 1860: 236**

- A. coccinelloides* (Suffrian) 1868: 223 (*Argopus*); Gundlach 1891: 388 (*A. couinelloides*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 908

***Asphaera* Chevrolat 1842: 227**

- A. crucipennis* (Suffrian) 1868: 168 (*Oedionychis*); Gundlach 1891: 377  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 1496

***Blepharida* Chevrolat 1836: 394**

- B. irrorata* Chevrolat 1864: 182; Suffrian 1867: 323; Gundlach 1891: 376; Blake 1938: 49; 1949: 367; Furth 1998: 29; Medvedev 1993: 9  
*Haltica adspersula* Suffrian 1868: 185; Gundlach 1891: 380  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.** Ca: Jobabo. CA: Baraguá; Central Jaronú. Ci: Soledad. Gr: Bayamo. M: Cardenas; Fermina. PR: Taco Taco. SC: Santiago; Sierra Maestra. SS: Trinidad  
**Collections.** Basel. Cambridge. Gundlach no. 468; no. 1489 (*B. adspersula*). London (lectotype). Medvedev. Washington

***Chaetocnema* Stephens 1831: 325**

- C. apricaria* (Suffrian) 1878: 219 (*Plectroscelis*); Gundlach 1891: 388; Blake 1941: 178; Medvedev 1993: 9  
**Distribution.** Cuba (Endemic); records from Jamaica, Hispaniola, and Puerto Rico may be errors (Blake 1941: 178)  
**Cuba localities.** Ci: Cayamas. M: Cárdenas. SC: 80 km W Santiago. SS: Trinidad Mts.; Mina Carlota  
**Collections.** Cambridge. Gundlach no. 636. Medvedev. Washington
- (*C. brunnescens* 1880: 259; Blake 1941: 180; White 1996: 46)  
**Distribution.** Bahamas, West Indies (Blake 1941: 180), USA (FL)  
**Cuba localities.** Hosts: *Conocarpus erectus*; *Laguncularis recemosa*, *Flaveria linearis*  
**Collections.**
- C. cyanoptera* Blake 1964: 23  
**Distribution.** Cuba. Endemic  
**Cuba localities.** None given. Taken on avocado  
**Collections.** Washington (type)
- C. obesula* Leconte 1878: 414; Blake 1941: 180  
**Distribution.** Cuba, Hispaniola, USA (FL)  
**Cuba localities.** Widespread. Feeds on rice and sugarcane  
**Collections.** Washington
- C. perplexa* Blake 1941: 177  
**Distribution.** Cuba, Puerto Rico; probably widespread in West Indies  
**Cuba localities.** Ca: Camaguëy. Ci: Cayamas (t.l.); Soledad. Gu: Baracoa. Ha: Havana; S. de las Vegas. Ho: Sierra de Anafe, Caimito. LT: Central Manatí. PR: Herradura. SS: Trinidad Mts.; Mina Carlota  
**Collections.** Cambridge. Washington (type)

- C. tuberculata* (Suffrian) 1868: 218 (*Plectroscelis*);  
Gundlach 1891: 389  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa  
**Collections.** Gundlach no. 1502
- (*C. vesca* White 1996: 117)  
**Distribution.** USA (FL; only Dade and Monroe Counties)  
**Cuba localities.**  
**Collections.**
- Cyrsylus Jacoby 1891: 306**
- C. cubensis* Blake 1959b: 247  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Washington (type). Zayas
- Disonycha Chevrolat 1844: 80**
- D. chlorotica* (Olivier) 1808: 690 (*Haltica*);  
Gundlach 1891: 379  
**Distribution.** Cuba, Puerto Rico, Guiana  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 147
- D. collata* (Fabricius) 1801: 463 (*Crioceris*);  
Gundlach 1891: 379; Vogt et al. 1979: 19  
**Distribution.** Cuba, México to Panamá, USA  
**Cuba localities.** Gr: Cauto. M: Cienaga de Zapata; Fermin. Feeds on alligator weed (Amaranthaceae, *Polygonum* sp.)  
**Collections.** Gundlach no. 1488
- D. conjugata* Fabricius 1801: 495; Blake 1930: 210  
*Haltica costipennis* Jacquelin du Val 1857: 310;  
Gundlach 1891: 381  
**Distribution.** Cuba, USA (LA, FL, NC); on *Polygonum*  
**Cuba localities.** M: Cardenas; Cienaga de Zapata  
**Collections.** Gundlach no. 419 (*costipennis*)
- D. fimbriolata* (Suffrian) 1868: 177 (*Haltica*);  
Gundlach 1891: 379  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa  
**Collections.** Gundlach no. 533
- D. guabiniquinaje* Zayas 1988: 139  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Peninsula de Zapata (t.l.)  
**Collections.** Zayas (type)
- D. juragua* Zayas 1988: 143  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Juraguá (t.l.)  
**Collections.** Zayas (type)
- D. marginipennis* (Suffrian) 1868: 179 (*Haltica*);  
Gundlach 1891: 379  
**Distribution.** Cuba. Endemic
- Cuba localities.** Widespread  
**Collections.** Gundlach no. 822
- D. matanzano* Zayas 1988: 141  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cuabales de Corral Falso (t.l.)  
**Collections.** Zayas (type)
- D. sandersoni* Zayas 1960a: 129  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguey, in field near airport (t.l.)  
**Collections.** Champaign. Zayas (type male)
- D. pilotrachela* Blake 1928: 96; 1955: 39  
**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.** Ca: Camaguey  
**Collections.** Washington
- Epitrix Foudras 1860: 147**
- E. fasciata* Blatchley 1918: 56  
**Distribution.** Cuba, Bahamas, Puerto Rico, St. Vincent, Grenada, México to Panamá, USA (Gulf Coast to FL); on *Solanum*; along saltwater lagoons  
**Cuba localities.**  
**Collections.**
- E. fuscata* (Jacquelin du Val) 1856: 312  
**Distribution.** Cuba, Puerto Rico, Grenada, Guatemala?  
**Cuba localities.**  
**Collections.**
- E. parvula* (Fabricius) 1801: 468; Furth and Savini 1996: 58  
**Distribution.** Cuba, Puerto Rico, Grenada, Guadeloupe, St. Vincent, Venezuela, México to Panamá, USA  
**Cuba localities.**  
**Collections.**
- Gioia Bechyné 1955: 77**
- G. polutima* (Blake) 1964: 27 (*Sidfaya*); Savini and Furth 1999: 30  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Trinidad, SS: Buenos Aires (t.l.)  
**Collections.** Cambridge (type). Washington
- Heikertingerella Csiki 1940: 350**
- H. fusca* Blake 1960: 102  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana,; at light on shipboard (t.l.)  
**Collections.** Washington (type)
- H. minima* (Suffrian) 1868: 184 (*Haltica*); Gundlach 1891: 380; Blake 1960: 101

- Distribution.** Cuba, Hispaniola  
**Cuba localities.** Ci: Playa Ingles. PR: Sierra Rangel. SC: Santiago de Cuba. SS: Trinidad; Buenos Aires  
**Collections.** Gundlach no. 1501. Washington. Zayas
- Hemilactica* Blake 1937: 72**  
*H. clara* Blake 1959b: 244  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, Piloto; La Breña, (t.l.)  
**Collections.** Washington (type). Zayas  
*H. crucifera* Blake 1959b: 245  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)  
*H. fasciata* Blake 1938: 50  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Upper Ovando River (t.l.)  
**Collections.** Cambridge (type)  
*H. pulchella* Blake 1937: 73  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Jarahueca (t.l.)  
**Collections.** Washington (type)  
*H. quatuordecimpunctata* (Suffrian) 1868: 206 (*Haltica*); Gundlach 1891: 384  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo. M: Cárdenas  
**Collections.** Gundlach no. 534  
*H. rugosa* Blake 1937: 74  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Palma Mocha (t.l.)  
**Collections.** Washington (type)  
*H. stomachosa* (Suffrian) 1868: 204 (*Haltica*); Gundlach 1891: 384; Blake 1959b: 246  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Pan de Guajaibon; Guajaibon; Rangel  
**Collections.** Gundlach no. 1275. Washington. Zayas
- Homoschema* Blake 1950: 10** (key in Blake 1950; Blanco and Duckett 2001)  
*H. cubensis* Medvedev 1993: 8, 14  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Santa Lucia (t.l.)  
**Collections.** Medvedev (type, female)  
*H. darlingtoni* Blake 1950: 24  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: coast below Pico Turquino (t.l.)  
**Collections.** Cambridge (type). Washington
- H. latum* Blake 1950: 20; Blanco and Duckett 2001: 11  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Clayamas. Gr: Upper Yara Valley (t.l.). Gu: Guantanamo  
**Collections.** Washington (type)  
*H. manni* Blake 1950: 24; Medvedev 1993: 8; Blanco and Duckett 2001: 13  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. Ho: Felton; Antilla Bay (t.l.); Sierra de Nipe, Pinares de Mayari. PR: Bahia Honda. SC: 80 km W Santiago  
**Collections.** Cambridge. Ivie. Medvedev. Washington (type)  
*H. orientense* Blake 1950: 23; Blanco and Duckett 2001: 14  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Guantánamo (t.l.). SC: Daiquirí; Gran Piedra; Juragua  
**Collections.** Cambridge. Havana. Washington (type)  
*H. ornatum* Blake 1950: 16; Blanco and Duckett 2001: 15  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). Gu: Baracoa, Cupeyal. PR: Candelaria; Cerro Cabras; Pinares de Guanito  
**Collections.** Havana. New York. Washington (type)  
*H. sasha* Blanco and Duckett 2001: 16  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua, Guajímico (t.l.), on *Stigmaphylon*  
**Collections.** Washington (type)
- Leptophysa* Baly 1877: 165**  
*L. darlington* (Blake) 1945: 92 (*Pseudoepitrix*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Cambridge (type). Washington  
*L. longicornis* (Blake) 1945: 90 (*Pseudoepitrix*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Mt. N Imias (t.l.)  
**Collections.** Cambridge (type). Washington  
*L. tetraspilota* (Blake) 1945: 90 (*Pseudoepitrix*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Cambridge (type). Washington
- Longitarsus* Latreille 1829: 155**  
*L. impennatus* Blake 1970a: 122  
**Distribution.** Cuba. Endemic



- Cuba localities.** Ha: Alamar. .M: Arroyo Bermejo (t.l.); Varadero  
**Collections.** Brno (type). Washington  
*L. prokopi* Blake 1970a: 123  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Alamar (t.l.); Cojimar  
**Collections.** Brno (type). Washington  
*L. pterotus* Blake 1970a: 122  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Alamar (t.l.)  
**Collections.** Brno (type). Washington  
*L. seminulus* Suffrian 1868: 216; Gundlach 1891: 389  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 1106  
*L. subaeneus* Suffrian 1868: 216; Gundlach 1891: 389 (*L. subaencus*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 838  
*L. varicornis* Suffrian 1868: 215; Gundlach 1891: 389; Furth and Savini 1996: 60  
**Distribution.** Cuba, Puerto Rico, Antilles, México to Venezuela, USA  
**Cuba localities.** Ha: Madruga. M: Cárdenas  
**Collections.** Gundlach no. 71
- Lysathia* Bechyné 1959: 303**  
*L. occidentalis* (Suffrian) 1868: 197 (*Haltica*); Gundlach 1891: 382  
**Distribution.** Cuba, Hispaniola, Puerto Rico, Virgin Islands, Jamaica, Dominica, St. Lucia, México, Guadeloupe  
**Cuba localities.**  
**Collections.** Gundlach no. 237
- Macrohaltica* Bechyné 1959: 305**  
(*M. amethystina* (Olivier) 1808: 687)  
**Distribution.** West Indies (where?), Central and South America  
**Cuba localities.**  
**Collections.**  
*M. jamaicensis* (Fabricius) 1792: 16; Furth and Savini 1996: 61; Medvedev 1993: 8  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico, Nicaragua to Colombia  
**Cuba localities.** Ha: Lomas de Canoa. VE: Santa Clara  
**Collections.** Medvedev
- Megistops* Boheman 1859: 186** (see key in Blake 1952)
- M. adulta* (Suffrian) 1868: 222 (*Dibolia*); Gundlach 1891: 388; Blake 1952: 2  
**Distribution.** Cuba. Endemic  
**Cuba localities.** ? Guamacoro  
**Collections.** Gundlach no. 1214  
*M. coeruleipennis* Blake 1959b: 247  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua (t.l.). PR: Guao; Corralillo  
**Collections.** Washington (type). Zayas  
*M. rubropustulata* (Suffrian) 1868: 221 (*Dibolia*); Gundlach 1891: 388; Blake 1952: 2  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 57  
*M. tababuiæ* Blake 1937: 75  
**Distribution.** Cuba. Endemic; (not Puerto Rico)  
**Cuba localities.** Ha: Santiago de las Vegas (t.l). Feeding on *Tabebuia pentaphylla*  
**Collections.** Washington (type)
- Monomacra* Chevrolat 1837: 413**  
*M. religata* Jacquelin du Val 1856: 311; Gundlach 1891: 381; Blake 1946c: 267 (*Lactica*)  
[*M. tibialis* Olivier 1808: 697]. in USA (TX-FL-MD), probably not in Cuba; Blake 1946c, 267; Medvedev 1993: 8 (Cuba records as *M. tibialis*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Monte Toro. Ha: Banés. M: Cárdenas. SC: Sierra Maestra, San Diego  
**Collections.** Gundlach no. 146. Medvedev
- Nesaecrepida* Blake 1964: 21**  
*N. asphaltina* (Suffrian) 1868: 201 (*Haltica*); Gundlach 1891: 383  
**Distribution.** Cuba, Puerto Rico, Jamaica  
**Cuba localities.** IJ: Nueva Gerona. M: Cárdenas  
**Collections.** Gundlach no. 427  
*N. rufomarginata* Blake 1964: 22  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** “Jababa” (=Ha: Jabaco?) (t.l.)  
**Collections.** Washington (type)
- Oedionychus* Berthold 1827: 401** (an Old World genus and the species below probably belong in *Kuschelina*, *Capraitia*, or *Alagoasa*)  
*O. amplilimbatus* Blake 1959b: 244  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guanahacabibes (t.l.)  
**Collections.** Zayas (type)  
*O. complanatus* Suffrian 1868: 169; Gundlach 1891: 377

- Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Santiago de Cuba  
**Collections.** Gundlach no. 1579
- O. cristalensis* Blake 1959b: 242  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)
- O. cubanus* Harold 1875: 90  
**Distribution.** Cuba. Endemic  
**Cuba localities.** None given  
**Collections.**
- O. decempunctulatus* Csiki 1940: 441.  
*O. decempunctatus* Suffrian 1868: 170; Gundlach 1891: 378  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Sur de Bayamo  
**Collections.** Gundlach no. 1490
- [*O. fasciatus* (Fabricius) 1798: 96 (*Galleruca*); Gundlach 1891: 377]
- O. interruptus* Illiger 1807: 94 (see Blake 1940: 174)  
**Distribution.** Hispaniola; reported from but probably not in Cuba (see Blake 1940: 174; records probably of *O. pseudofasciata*, see below)
- O. orientensis* Blake 1959b: 241  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa; El Johnson (t.l.)  
**Collections.** Washington (type). Zayas
- O. pictus* Suffrian 1868: 173; Gundlach 1891: 378 (*O. prieta*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 33
- O. pseudofasciatus* Blake 1940: 173; Gundlach 1891: 377 (as *O. fasciatus* Fabricius)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Jaronú. Ci: Soledad. Gu: Imias. Ha: Havana. M: Cárdenas. SS: Buenos Aires  
**Collections.** Gundlach no. 295
- O. pseudothoracica* Blake 1945: 90  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguey (t.l.)  
**Collections.** Washington (type)
- O. tortuosus* Suffrian 1868: 171; Gundlach 1891: 378  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 856
- O. turquino* Zayas 1988: 144  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Zayas (type)
- O. zayasi* Blake 1959b: 242  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Guanahacabibes (t.l.)  
**Collections.** Washington (type). Zayas
- Omophoita* Chevrolat 1837: 410**  
(*O. albicollis* (Fabricius) 1787: 76; Blake 1931: 77)  
**Distribution.** Hispaniola, Puerto Rico, Virgin Islands, Lesser Antilles, Trinidad, Guyana, Brazil  
**Cuba localities.**  
**Collections.**
- O. cyanipennis* (Fabricius) 1798: 97 (*Galleruca*); Jacquelin du Val 1857: 308; Gundlach 1891: 377 (*Oedionychis*)  
**Distribution.** Cuba, Hispaniola, Puerto Rico, Virgin Islands, Jamaica, USA (FL, TX)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 222
- Phyllotreta* Chevrolat in Dejean 1837: 391** (see White 1970)
- P. fallaciae* Csiki 1939: 64  
*Haltica fallax* Suffrian 1868: 214; Gundlach 1891: 386  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.** Gr: Bayamo. M: Cienaga de Zapata  
**Collections.** Gundlach no. 978
- Pseudodisonycha* Blake 1954: 248**  
*P. darlingtoni* (Blake) 1938: 50 (*Disonycha*); Medvedev 1993: 8  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.); Sierra Maestra  
**Collections.** Cambridge (type). Medvedev
- P. turquinesis* Blake 1956: 144  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Washington (type)
- Strabala* Chevrolat 1837: 413**  
*S. ambulans* (Suffrian) 1868: 182 (*Altica*); Gundlach 1891: 380; Blake 1953: 131  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Cambridge. Gundlach no. 145. Washington
- S. intermedia* Jacquelin du Val 1857: 311; Gundlach 1891: 380 (as synonym of *S. amblans*); Blake 1953: 133  
**Distribution.** Cuba, (subspecies *S. i. costaricensis* Blake (1953) in Costa Rica)

- Cuba localities.** Ca: Aguada. CA: Baraguá; Central Jaronú. Ci: Cayamas; Soledad. Gr: Upper Yara Valley. Gu: Mt. N. of Imias  
**Collections.** Cambridge
- S. rufa* Illiger 1807: 152; Furth and Savini 1996: 66  
**Distribution.** Cuba, Jamaica, Puerto Rico, México to Brazil, USA, Canada  
**Cuba localities.**  
**Collections.**
- Syphrea* Baly 1876: 447**  
*S. nigrorubra* (Blake) 1951b: 144 (*Hermaeophaga*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Palma Moche (t.l.)  
**Collections.** Washington (type)
- Systema* Chevrolat 1837: 414**  
*S. basalis* (Jacquelin du Val) 1857: 312 (*Haltica*); Gundlach 1891: 386; Blake 1931: 80, 1935: 105, 1951b: 140, 1964: 18; Furth and Savini 1998: 136; Medvedev 1993: 8  
*S. ornata* Baly 1877: 288  
**Distribution.** Cuba, Jamaica, Hispaniola, Puerto Rico (México, Guatemala, Nicaragua?)  
**Cuba localities.** Widespread. A pest on cotton, tobacco, and many vegetables such as beans and maize (Blake 1951: 140; Heyer et al. 1989, 1993)  
**Collections.** Gundlach no. 279. London. Medvedev. Washington  
*S. coeruleipennis* (Suffrian) 1868: 213 (*Haltica*); Gundlach 1891: 386 (*H. coerulipennis*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua; Corralillo. Ha: Madruga.  
**Collections.** Gundlach no. 60  
*S. plicata* Blake 1959b: 246  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.). M: Rio San Juan, Morrillo  
**Collections.** Washington (type). Zayas  
**Note.** This is a homonym of *S. plicata* Blatchley 1921: 26, and a replacement name is needed (S. Clark, in litt.)
- SUBFAMILY EUMOLPINAE**  
**TRIBE TYPOPHORINI**
- Metachroma* Chevrolat 1837: 436;** Blake 1970b: 50 (key to Cuban species)  
*M. acunai* Blake 1946a: 22; 1970b: 55  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa (t.l.)
- Collections.** Cambridge (type)  
*M. adustum* Suffrian 1866: 339; Gundlach 1891: 363; Blake 1930: 214; 1970b: 51  
*M. terminale* Horn 1892: 215  
**Distribution.** Cuba, Grand Cayman, Bahamas (Andros), USA (FL)  
**Cuba localities.** CA: Baraguá. Ci: Cayamas. Ha: Hershey (now Camilo Cienfuegos). M: Cárdenas. PR: San Vicente. SC: Santiago  
**Collections.** Gundlach no. 256. Washington  
*M. castaneum* Blake 1965: 5; 1970b: 59  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)  
*M. cornutum* Blake 1958: 93; 1970b: 54.  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington  
*M. cubaecola* Clavareau 1914: 88  
*M. puncticollis* Suffrian 1866: 341; Gundlach 1891: 363; species unknown to Blake 1970b: 60  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 977  
*M. ensiforma* Blake 1947b: 310; 1970b: 59  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Cambridge (type). Washington  
*M. gracile* Blake 1937: 67; 1970b: 54  
*M. cavicollis* Blake 1960: 97. PR: Sierra Cajalbana (t.l.). Washington (type). Zayas  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Santiago de las Vegas (t.l.). PR: Sierra Cajalbana. SS: Buenos Aires  
**Collections.** Washington (type)  
*M. grande* Blake 1958: 98; 1970b: 53  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Yunque de Baracoa (t.l.)  
**Collections.** Zayas (type)  
*M. gundlachi* Fernandez García 1998: 1  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Cayo Coco (t.l.); Cayo Guillermo  
**Collections.** Havana (type)  
*M. imitans* Blake 1947b: 310; 1970b: 58  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Aguadores (t.l.)  
**Collections.** Cambridge (type)  
*M. laeviusculum* Suffrian 1866: 343; Gundlach 1891: 364; species unknown to Blake 1970b: 60  
*M. sordidum* Suffrian 1866: 345; Gundlach 1891: 364  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata

- Collections.** Gundlach no. 975 (no 976, *sordidum*)
- M. lituratum* Suffrian 1866: 343; Gundlach 1891: 363; species unknown to Blake 1970b: 60
- Distribution.** Cuba. Endemic
- Cuba localities.** PR: Rangel
- Collections.** Gundlach no. 1279
- M. longicornis* Blake 1966b: 216; 1970b: 58
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Soledad (t.l.)
- Collections.** Cambridge (type)
- M. longitarsus* Blake 1946a: 24; 1970b: 53
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Pico Turquino (t.l.)
- Collections.** Cambridge (type)
- M. maniocae* Blake 1966b: 216; 1970b: 56
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Cayamas; Soledad (t.l.). M: Jovellanos. A pest of manioc
- Collections.** Cambridge. Washington (type)
- M. moaense* Blake 1962: 176; 1970b: 57
- Distribution.** Cuba. Endemic
- Cuba localities.** Ho: Moa (t.l.)
- Collections.** Washington (t.l.)
- M. multipunctatum* Blake 1958: 96; 1970b: 57
- Distribution.** Cuba. Endemic
- Cuba localities.** Ha: Somorrostro. Ho: Sierra Cristal (t.l.)
- Collections.** Washington (type). Zayas.
- M. obscuricolle* Blake 1970b: 58
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Cayamas (t.l.)
- Collections.** Washington (type)
- M. odontotum* Blake 1970b: 60
- Distribution.** Cuba. Endemic
- Cuba localities.** Unspecified; taken on pine-apple
- Collections.** Washington (type)
- M. oteroi* Blake 1944: 252; 1970b: 55
- Distribution.** Cuba. Endemic
- Cuba localities.** Ha: Santiago de las Vegas (t.l.)
- Collections.** Washington (type)
- M. rubellum* Blake 1970b: 120
- Distribution.** Cuba. Endemic
- Cuba localities.** M: Arroyo Bermejo (t.l.)
- Collections.** Brno (type)
- M. schwarzi* Blake 1948b: 276; 1970b: 52
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Cayamas (t.l.)
- Collections.** Cambridge. Washington (type)
- M. simile* Blake 1970b: 56
- Distribution.** Cuba. Endemic
- Cuba localities.** Ha: Santiago de las Vegas. PR: Bahia Honda (t.l.); Baños de San Vicente; Pinar del Rio
- Collections.** Cambridge. Washington (type)
- M. sordidum* Suffrian 1857: 345; species unknown to Blake 1970b: 60
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- M. suffriani* Clavareau 1914: 89; replacement name
- M. suturalis* Suffrian 1866: 342; Gundlach 1891: 363; species unknown to Blake 1970b: 60
- Distribution.** Cuba. Endemic
- Cuba localities.** Western Cuba
- Collections.** Gundlach no. 1873
- M. testaceum* Blatchley 1920: 70
- M. elachistum* Blake 1960: 97. Ha: Havana, shoreline (t.l.). Washington (type). Zayas
- M. testaceum elachistum* Blake 1970
- Distribution.** Cuba, USA (FL)
- Cuba localities.** Ci: Cayamas. Ha: Havana, Marianao
- Collections.** Washington. Zayas
- M. xanthacrum* Blake 1947b: 311; 1970b: 52
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Loma del Gato (t.l.)
- Collections.** Cambridge (type)
- M. zayasi* Blake 1958: 92; 1970b: 53
- Distribution.** Cuba, USA (FL); on *Conocarpus erecta* mangrove
- Cuba localities.** Ho: Sierra Cristal (t.l.)
- Collections.** Washington (type)
- Typophorus Erichson 1847: 163**
- T. habanae* Blake 1970a: 119
- Distribution.** Cuba. Endemic
- Cuba localities.** Ha: Santa Fe (t.l.); Alamar. PR: Soroa
- Collections.** Brno (type). Washington
- [*T. nigrinus* Jacquelin du Val 1857: 299; Gundlach 1891: 365; Medvedev 1993: 6]
- Distribution.** Reported from Cuba as a pest of sweet potatoes (as *Tipophorus nigrinus*; Vázquez et al. 1992: 45), but the record was probably based on specimens of *T. habanae* (Shawn Clark, in litt.)

## TRIBE EUMOLPINI

**Alethaxius Lefevre 1885: 42***A. acunai* Blake 1947b: 314**Distribution.** Cuba. Endemic**Cuba localities.** Ho: Moa (t.l.)**Collections.** Cambridge. Washington (type)



- A. bruneri* Blake 1949: 367  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra, Palma Mocha to Pico Joaquin (t.l.)  
**Collections.** Washington (type)
- A. turquinensis* Blake 1945: 326  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Cambridge (type). Washington
- Colaspis* Fabricius 1801: 411**
- C. alcyonea* Suffrian 1866: 326; Gundlach 1891: 361 (*C. aleyonea*); Blake 1967: 227  
**Distribution.** Cuba. Endemic Puerto Rico records are probably misidentifications, see Blake 1967  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 301. Washington
- C. amplicosta* Blake 1970a: 118  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Cojimar; Alamar (t.l.); Cuatro Caminos; Santa Fe; Santiago de las Vegas. PR: Bahia Honda; Sierra de Gazabana  
**Collections.** Brno (type). Washington
- C. barberi* Blake 1967: 232; Medvedev 1993: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** CA: Baraguá (on “musail cayer”) (t.l.)  
**Collections.** Medvedev. Washington (type)
- C. brunnea* Fabricius 1798: 94; Medvedev 1993: 6  
**Distribution.** Cuba, Mexico (Baja California), USA  
**Cuba localities.** Ha: Lomas de Canoa  
**Distribution.** Medvedev
- C. cubensis* Blake 1967: 226; Medvedev 1993: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.). Widespread. On eggplant and other *Solanum*  
**Collections.** Medvedev. Washington (type)
- C. fervida* (Suffrian) 1866: 330 (*Chalcophona*); Gundlach 1891: 361; Blake 1967: 230; Medvedev 1993: 6  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. Ha: Havana. M: Cárdenas  
**Collections.** Gundlach no. 157. Medvedev
- C. orientalis* Blake 1967: 227  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Soledad (t.l.). Gu: Baracoa  
**Collections.** Cambridge (type)
- [*C. smaragdula* Olivier 1808: 883; Jacquelin du Val 1857: 299; Gundlach 1891: 360]
- Distribution.** Hispaniola; reported from Cuba, but probably in error, see Blake 1967: 232  
**Cuba localities.** IJ (Holland and Schwarz 1917)  
**Collections.** Pittsburgh. Gundlach no. 232
- C. suffriani* Weise 1914: 122  
*C. nigricornis* Suffrian 1867: 325; Gundlach 1891: 360  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Matanzas  
**Collections.** Gundlach no. 1896
- C. unicolor* Olivier 1808: 885  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. viridula* Suffrian 1866: 331; (*Chalcophana*); Gundlach 1891: 362; Blake 1967: 231  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo. SC: Loma del Gato  
**Collections.** Gundlach no. 1872. Washington
- Exochognathus* Blake 1946b: 114**
- E. limbatus* Blake 1946b: 116, 1948a: 121  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra Rangel, Las Animas (t.l.); Sierra de los Organos; Rancho Mundito  
**Collections.** Washington (type)
- Phanaeta* Lefevre 1878: 132**
- P. abdominalis* (Suffrian) 1866: 328 (*Chalcophana*); Gundlach 1891: 361  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1284
- P. elongata* (Suffrian) 1866: 327 (*Chalcophana*); Gundlach 1891: 361  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1285
- P. striata* (Suffrian) 1866: 336 (*Chalcophana*); Gundlach 1891: 362  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cardenas; Colon  
**Collections.** Gundlach no. 531
- P. varicornis* (Suffrian) 1866: 334 (*Chalcophana*); Gundlach 1891: 362  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 539
- P. viridula* (Suffrian) 1866: 331 (*Chalcophana*)  
**Distribution.** Cuba. Endemic

**Cuba localities.**  
**Collections.**

TRIBE ADOXINI

***Chalcosicya* Blake 1930: 215**

*C. alayoi* Blake 1958: 91

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Ciudadamar (t.l.); Daiquiri

**Collections.** Washington (type). Zayas

*C. ditrichota* Blake 1938: 46; 1951a: 302

**Distribution.** Cuba. Endemic

**Cuba localities** SC: Pico Turquino. SS: Trinidad; Buenos Aires (t.l.); San Blas

**Collections.** Cambridge (type)

*C. insularis* (Blatchley) 1922: 32 (*Colaspidea*); Blake 1951a: 297

*C. costata* Blake 1938: 49. IJ; Nueva Gerona (t.l.); Washington (type)

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ (t.l.). On citrus

**Collections.** Lafayette (Blatchley colln.; type). Cambridge

*C. maestrensis* Blake 1930: 216, 1951a: 290

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino summit (t.l.)

**Collections.** Washington (type)

*C. metallica* Medvedev 1993: 7, 14

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: La Fé (t.l.)

**Collections.** Medvedev (type)

*C. nana* Suffrian 1866: 337 (*Heteraspis*); Gundlach 1891: 362; Blake 1951a: 296

**Distribution.** Cuba. Endemic

**Cuba localities.** CA: Baraguá. Ci: Cayamas; Soledad. Gr: Bayamo. Ha: San Rafael, San Jose. M: Cárdenas. ? Alemon

**Collections.** Gundlach no. 536. Cambridge. Washington

*C. parsonsi* Blake 1951a: 301

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Mina Carlota (t.l.)

**Collections.** Cambridge (type)

*C. rotunda* Blake 1938: 44, 1951a: 296

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Cambridge. Washington (type)

*C. semicostata* Blake 1951a: 300

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Loma del Gato (t.l.)

**Collections.** Cambridge (type)

***Myochrous* Erichson 1874: 164**

*M. cubensis* Blake 1947c: 23; 1950: 60

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread. Ci: Cayamas (t.l.); hosts: a pest of sugarcane, etc.

**Collections.** Washington (type). Havana?

**Note.** *M. dubius* (Fabricius) 1801: 53 of the Virgin Islands is reported by Jacquelin du Val 1857: 300 and Gundlach 1891: 364 (Gundlach no. 171) from Cuba, but it is a doubtful record and probably applies to the above species (Blake 1947c: 24; 1950: 61)

TRIBE CUBISPINI

***Cubispa* Barber 1946: 19**

*C. turquino* Barber 1946: 22; Staines 2000: 59

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Washington

SUBFAMILY LAMPROSOMATINAE

***Oomorplus* Curtis 1831: 347**

*O. auricollis* Suffrian 1866: 288 (*Lamprosoma*); Gundlach 1891: 342

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Rangel

**Collections.** Gundlach no. 1148

SUBFAMILY CRYPTOCEPHALINAE

TRIBE CRYPTOCEPHALINI

***Cryptocephalus* Muller 1765: XIII** (see Zayas 1960a for additional localities)

*C. adelphicus* Blake 1970a: 117

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Belic (t.l.)

**Collections.** Brno (type)

*C. alcaldei* Zayas 1960a: 187

*C. alvarezcondei* Zayas 1960a: 189

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra; Loma de Calá (t.l.)

**Collections.** Zayas (type female)

[*C. anceps* Jacquelin du Val 1857: 293]

**Distribution.** South American species; probably not in Cuba, a misidentification (Shawn Clark, in litt.)

*C. anaqui* Zayas 1960a: 175

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal (t.l.)

**Collections.** Zayas (type female)

- C. azureipennis* Suffrian 1852: 83; 1858: 105; 1866: 308; Jacquelin du Val 1857: 294; Gundlach 1891: 353; Zayas 1960a: 163  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo  
**Collections.** Gundlach no. 1529
- C. behique* Zayas 1960a: 166  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Joaquín. SS: Trinidad; Buenos Aires (t.l.)  
**Collections.** Zayas (type female)
- C. bicinctus* Suffrian 1851: 275; 1858: 354; 1866: 303; Jacqueline du Val 1857: 291; Gundlach 1891: 349 (*C. bicirnetus*); Zayas 1960a: 170  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Zarabanda. PR: Sierra de Rangel; Viñales  
**Collections.** Gundlach no. 974. Zayas
- C. blakeae* Zayas 1960a: 206  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Daiquirí (t.l.)  
**Collections.** Zayas (type female)
- C. bruneri* Zayas 1952: 73; 1960a: 213  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Joaquín (= Turquino) (t.l.); Cueva de Aura (on Turquino)  
**Collections.** Zayas (type)
- C. carib* Zayas 1960a: 201  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, La Breña (t.l.)  
**Collections.** Zayas (type male)
- C. catey* Zayas 1960a: 173  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Trinidad, Pico de Potrerillo (t.l.)  
**Collections.** Zayas (type male)
- C. cayofragosae* Zayas 1988: 125  
**Distribution.** Cuba. Endemic  
**Cuba localities.** VC: Cayo Fragoso (t.l.)  
**Collections.** Zayas (type)
- C. cemi* Zayas 1960a: 146  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa (t.l.), in pinelands  
**Collections.** Zayas (type female)
- C. censorius* Suffrian 1858: 383; 1866: 310; Gundlach 1891: 355; Zayas 1960a: 194; Medvedev 1993: 5  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal. M: Cárdenas. SC: Sierra Maestra; Loma de Calá  
**Collections.** Gundlach no. 763. Medvedev. Zayas
- C. chloroticus* (Olivier) 1808: 787; Suffrian 1851: 247; 1858: 350; 1866: 296; Gundlach 1891: 346; Zayas 1960a: 145; Medvedev 1993: 5  
*Cribouri chlorotique* Olivier  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 1530. Medvedev. Zayas
- C. coai* Zayas 1960a: 164  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra de Rangel; Rancho Mundito (t.l.)  
**Collections.** Zayas (type female)
- C. commutatus* Suffrian 1866: 297; Gundlach 1891: 347; Zayas 1960a: 151  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo, Buenavista. Ha: littoral de La Havana; Pedrera de Mendoza. PR: Rangel, Viñales  
**Collections.** Gundlach no. 1865. Zayas
- C. complanatus* Suffrian 1852: 93; 1858: 385; 1866: 312; Jacquelin du Val 1857: 296; Gundlach 1891: 356; Zayas 1960a: 196  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo. LV: Cumanayagua. M: Canimar. SC: Gran Piedra  
**Collections.** Gundlach no. 1209. Zayas
- C. coyugi* Zayas 1960a: 186  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Rancho Luna (t.l.); widespread in Cuba  
**Collections.** Zayas (type female)
- C. crenulatus* Suffrian 1858: 345; 1866: 295; Gundlach 1891: 345; Zayas 1960a: 154  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Ciénaga de Zapata  
**Collections.** Gundlach no. 434
- C. cubanensis* Jacoby 1907: 842; Zayas 1960a: 215  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Ciénaga de Zapata, Zarabanda  
**Collections.**
- C. cucuba* Zayas 1960a: 198  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato (t.l.)  
**Collections.** Zayas (type female)
- C. curtus* Suffrian 1851: 268; 1858: 353; 1866: 299; Jacquelin du Val 1857: 290; Gundlach 1891: 347; Zayas 1960a: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 764. Zayas
- C. cylindricus* Suffrian 1858: 385; 1866: 313; Gundlach 1891: 356; Zayas 1960a: 181  
**Distribution.** Cuba. Endemic

- Cuba localities.** Ca: Sierra de Cubitas, "Paredones". Ho: Sierra Cristal. PR: Rangel  
**Collections.** Gundlach no. 1269. Zayas
- C. distensus* Chevrolat 1864a: 181
- C. quinquepunctatus* Suffrian 1852: 91; 1858: 285; Jacquelin du Val 1856: 123; Gundlach 1891: 355; Zayas 1960a: 194
- C. concolor* Zayas 1960a: 195; SC: Juraguá (t.l.); Zayas, type
- C. decoratus* Zayas 1960a: 196; PR: Las Animas, Sierra Rangel; Zayas, type  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal. PR: Sierra Rangel. SC: Juraguá  
**Collections.** Zayas
- C. dives* Suffrian 1852: 82; 1858: 105; 1866: 308; Jacquelin du Val 1857: 294; Gundlach 1891: 353; Zayas 1960a: 169  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra de Rangel, Rancho Mundito. Ha: Mariano, littoral de Havana; Mesa de Mariel  
**Collections.** Gundlach no. 1272. Zayas
- C. grossulus* Suffrian 1851: 248; 1858: 350; 1866: 296; Jacquelin du Val 1857: 289; Gundlach 1891: 346; Zayas 1960a: 177 Medvedev 1993: 5
- C. gundlachi* Jacoby 1907: 841  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Almendares; Havana; Marianao. M: Cienaga de Zapata  
**Collections.** Gundlach no. 765. Medvedev. Zayas
- C. guanahacabibes* Zayas 1960a: 178  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Peninsula de Guanahacabibes (t.l.)  
**Collections.** Zayas (type male)
- C. guanahatabey* Zayas 1960a: 200  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Loma El Palenque (t.l.)  
**Collections.** Zayas (type female)
- C. guatiaho* Zayas 1960a: 203  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca Nuevitas, Playa Santa Lucía (t.l.)  
**Collections.** Zayas (type female)
- C. hatuey* Zayas 1960a: 148  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa, La Farola (t.l.), in pinelands  
**Collections.** Zayas (type female)
- C. hypocritus* Suffrian 1851: 277; 1858: 354; 1866: 303; Jacquelin du Val 1857: 291; Gundlach 1891: 349; Zayas 1960a: 171  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Marianao. M: Fermina. PR: Sierra de Rangel, Rancho Mundito; Guane, Paredon de Los Acostas  
**Collections.** Gundlach no. 1869. Zayas
- C. jaumei* Zayas 1960a: 155  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Herradura (t.l.)  
**Collections.** Zayas (type female)
- C. mabuya* Zayas 1960a: 161  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Mena; Pan de Matanzas (t.l.)  
**Collections.** Zayas (type male)
- C. maestrensis* Blake 1970a: 115  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Cabezal de Palma Mocha (t.l.)  
**Collections.** Brno (type)
- C. maquey* Zayas 1960a: 211  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type female)
- C. maisi* Zayas 1988: 126  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Maisi, Tortuguilla (t.l.)  
**Collections.** Zayas (type)
- C. marginicollis* Suffrian 1851: 258; Jacquelin du Val 1857: 289; Suffrian 1858: 351; Gundlach 1891: 346; Zayas 1960a: 346; Blake 1970a: 117; Medvedev 1993: 5  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread.  
**Collections.** Gundlach no. 282. Medvedev. Washington. Zayas
- C. moa* Zayas 1960a: 189  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, El Johnson (t.l.)  
**Collections.** Zayas (type female)
- C. morenoi* Zayas 1960a: 184  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type female)
- C. nabori* Zayas 1960a: 181  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Buenos Aires (t.l.)  
**Collections.** Zayas (type female)
- C. pavidus* Suffrian 1866: 305; Gundlach 1891: 351; Zayas 1960a: 157  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz  
**Collections.** Gundlach no. 1531. Zayas
- C. pictus* Suffrian 1858: 355; 1866: 305; Gundlach 1891: 351; Zayas 1960a: 153



- Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1270
- C. platus* Blake 1970a: 116  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Guajaybon (t.l.)  
**Collections.** Brno (type)
- C. poeyi* Suffrian 1866: 302; Gundlach 1891: 349; Zayas 1960a: 149  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos. SC: Alto Songo, Florida Blanca  
**Collections.** Gundlach no. 1867. Zayas
- C. rubetra* Suffrian 1858: 381; 1866: 310; Gundlach 1891: 354; Zayas 1960a: 213  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 292. Zayas
- C. rubrofasciatus* Suffrian 1851: 273; 1858: 353; 1866: 301; Jacquelin du Val 1857: 290; Gundlach 1891: 348; Zayas 1960a: 172  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cumanayagua. M: Cárdenas; El Morrillo; Maicas. Gu: Baracoa. Ho: Moa; La Breña. SC: Cuabitas  
**Collections.** Gundlach no. 1168. Zayas
- C. rufitarsis* Suffrian 1851: 278; 1858: 354; 1866: 304; Jacquelin du Val 1857: 292; Gundlach 1891: 350; Zayas 1960a: 168  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana; littoral. Ho: Moa. M: Cienaga de Zapata; M: Fermina  
**Collections.** Gundlach no. 1623. Zayas
- C. rusticus* Suffrian 1851: 270; Jacquelin du Val 1857: 290; Suffrian 1858: 353; 1866: 300; Gundlach 1891: 348; Zayas 1960a: 348  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Yateras (t.l.). SC: Loma del Gato  
**Collections.** Gundlach no. 1533. Zayas
- C. sao* Zayas 1988: 125  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Viñales, Sao (t.l.)  
**Collections.** Zayas (type)
- C. saucius* Suffrian 1852: 84; 1858: 380; 1866: 309; Jacquelin du Val 1857: 295; Gundlach 1891: 353 (*C. sancius*); Zayas 1960a: 183
- C. ephippium* Suffrian 1858: 380; Gundlach 1891: 354; Zayas 1960a: 184  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: coastal Cienfuegos. M: Cárdenas; Maicas. Ho: Sierra de Cristal; Moa, Piloto; Moa, El Johnson  
**Collections.** Gundlach no. 291 (*C. saucius*); no. 1868 (*C. ephippium*). Zayas
- C. sericatus* Suffrian 1858: 351; 1866: 298; Gundlach 1891: 341; Zayas 1960a: 216  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 1083
- C. signatellus* Suffrian 1866: 307; Gundlach 1891: 351; Zayas 1960a: 214  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas. Gr: Bayamo (t.l.?)  
**Collections.** Gundlach no. 1527
- C. subelatus* Tappes 1885: XLI; replacement name  
*C. elatus* Suffrian 1866: 298; Gundlach 1891: 347  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos. SC: Daiquirí  
**Collections.** Gundlach no. 1866. Zayas
- C. teresae* Zayas 1960a: 192  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Bueños Aires; Pico de Potrerillo (t.l.)  
**Collections.** Zayas (type female)
- C. thalassinus* Suffrian 1852: 80; Jacquelin du Val 1857: 293; Gundlach 1891: 352; Zayas 1960a: 209  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Zayas
- C. tibiellus* Suffrian 1858: 354; 1866: 354; Gundlach 1891: 350; Zayas 1960a: 164  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Sierra de Rangel  
**Collections.** Gundlach no. 1263. Zayas
- C. tortuosus* Suffrian 1852: 89; 1858: 383; 1866: 310; Jacquelin du Val 1857: 296; Gundlach 1891: 355; Zayas 1960a: 191; Medvedev 1993: 5
- C. bardus* Chevrolat 1864: 181  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.** Widespread in Cuba  
**Collections.** Gundlach no. 148. Medvedev. Zayas
- C. turey* Zayas 1960a: 197  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Nuevitas, Playa Santa Lucía (t.l.)  
**Collections.** Zayas (type female)
- C. vinctus* Suffrian 1866: 300; Gundlach 1891: 348; Zayas 1960a: 158  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz (t.l.). SC: Juraguá  
**Collections.** Gundlach no. 1528; Zayas

- C. vinulus* Suffrian 1852: 87; 1858: 381; 1866: 309; Jacquelin du Val 1857: 295; Gundlach 1891: 354; Zayas 1960a: 180  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Havana, coastal, on *Coccoloba uvifera*, etc.  
**Collections.** Gundlach no. 320. Zayas
- C. viridipennis* Suffrian 1851: 280; Jacquelin du Val 1857: 292; Suffrian 1858: 355; 1866: 304; Gundlach 1891: 350; Zayas 1960a: 159; Medvedev 1993: 5  
**Distribution.** Cuba, Jamaica, Puerto Rico  
**Cuba localities.** Widespread, littoral and ruderal  
**Collections.** Gundlach no. 319. Medvedev. Zayas
- C. xerampelinus* Suffrian 1852: 45; 1858: 373; 1866: 308; Jacquelin du Val 1857: 293; Gundlach 1891: 351; Zayas 1960a: 209  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread; ruderal, at edges of fallow fields in herbs and in flowers of *Parthenium hysterophorus* (L.)  
**Collections.** Gundlach no. 689. Zayas
- Diachus LeConte 1880: 196**
- D. pusio* (Suffrian) 1858: 378; 1866: 308; Gundlach 1891: 352; Zayas 1960a: 216  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Somorrostro. M: Pan de Matanzas. ? Guamacaro  
**Collections.** Gundlach no. 1213. Zayas
- D. squalens* (Suffrian) 1852: 73; 1858: 377; 1866: 308; Gundlach 1891: 217; Zayas 1960a: 217  
**Distribution.** Cuba, Bahamas, USA  
**Cuba localities.** Ha: Mariel, littoral. M: Cárdenas. SS: Trinidad  
**Collections.** Gundlach no. 843. Zayas
- Mastacanthus Suffrian 1852: 135**
- M. arcustriatus* Chevrolat 1864a: 181  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- M. insularis* Suffrian 1852: 136; Jacquelin du Val 1857: 297; Gundlach 1891: 356  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos  
**Collections.** Gundlach no. 1143
- Pachybrachis Chevrolat 1837: 444**
- P. alayoni* Zayas 1988: 120  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Peninsula de Zapata, San Blas (t.l.)  
**Collections.** Zayas (type)
- P. amorae* Zayas 1988: 121  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Peninsula de Zapata, San Blas (t.l.)  
**Collections.** Zayas (type)
- P. armae* Zayas 1988: 122  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (t.l.)
- P. brunneola* Suffrian 1866: 322; Gundlach 1891: 359 (*Pachybrachys*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos  
**Collections.** Gundlach no. 1321
- P. conglomerata* Suffrian 1858: 395; Gundlach 1891: 358 (*Pachybrachys*).  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 15
- P. decipiens* Suffrian 1866: 317; Gundlach 1891: 358 (*Pachybrachys*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread.  
**Collections.** Gundlach no. 917
- P. devota* Suffrian 1866: 321; Gundlach 1891: 359 (*Pachybrachys duvotus*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Cabo Cruz  
**Collections.** Gundlach no. 1871
- P. flavocallens* Suffrian 1866: 322; Gundlach 1891: 360 (*Pachybrachys*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Baracoa  
**Collections.** Gundlach no. 1524
- P. gundlachi* Suffrian 1858: 398; Gundlach 1891: 359 (*Pachybrachys*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1271
- P. insolitus* Zayas 1988: 122  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Marianao (t.l.). Ho: Cupeyal. M: Punta Hicacos. VC: Sagua la Grande  
**Collections.** Zayas (type)
- P. militans* Suffrian 1866: 320; Gundlach 1891: 359  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: sur de Bayamo  
**Collections.** Gundlach no. 1525
- P. parallelopipeda* Suffrian 1866: 318; Gundlach 1891: 358 (*Pachybrachys*)

- Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo  
**Collections.** Gundlach no. 1870  
*P. pumicatus* Suffrian 1852: 147; Jacquelin du Val 1857: 298 Gundlach 1891: 358 (*Pachybrachys*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Guanabacoa  
**Collections.** Gundlach no. 1906  
*P. tortuguilla* Zayas 1988: 123  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Type locality not given  
**Collections.** Zayas (type)  
*P. tostus* Suffrian 1852: 143; Gundlach 1891: 357 (*Pachybrachys*) Medvedev 1993: 6  
*P. costipennis* Suffrian 1858: 393  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo. M: Cárdenas. PR: Rangel. SC: Sierra Maestra  
**Collections.** Gundlach no. 151. Medvedev  
*P. turquinensis* Zayas 1988: 124  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico de Cuba; Pico Turquino (t.l.)  
**Collections.** Zayas (type)
- Triachus* LeConte 1880: 197**  
*T. cerinus* LeConte 1880: 197  
**Distribution.** Cuba, USA  
**Cuba localities.** Gu: Sierra de Nipe, Loma de Mensura, 800-950 m, 1967, leg. R. Bielawski and A. Riedel (new record from Shawn Clark, in litt.)  
**Collections.**
- TRIBE CHLAMISINI
- Chlamisus* Rafinesque 1815: 116**  
*C. aeneus* Zayas 1988: 128  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguey (t.l.)  
**Collections.** Zayas (type)  
*C. barroii* Zayas 1988: 128  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Bahía de Cochinos. SC: Loma del Gato; Pico Turquino (t.l.)  
**Collections.** Zayas (type)  
*C. cuprosus* Zayas 1988: 129  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Camaguëy SC Gran Piedra; Loma del Gato; Pico Turquino. Type locality not given  
**Collections.** Zayas (type)  
*C. conifera* (Lacordaire) 1848: 733 (*Chlamys*); Gundlach 1891: 344, Blake 1944: 249  
**Distribution.** Cuba. Endemic; not Brazil  
**Cuba localities.** Gu: Yateras. Ha: Arroyo Naranjo. M: Fermina; Pan de Matanzas  
**Collections.** Gundlach no. 868. Washington  
*C. flavicollis* (Lacordaire) 1848: 823 (*Chlamys*); Jacquelin du Val 1857: 288; Gundlach 1891: 344  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Fermina  
**Collections.** Gundlach no. 1242  
*C. melanospila* (Suffrian) 1866: 290 (*Chlamys*); Gundlach 1891: 344  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 525  
*C. minimus* Zayas 1988: 130  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra; Pico Turquino. Type locality not given  
**Collections.** Zayas (type)  
*C. nigritella* (Suffrian) 1866: 292 (*Chlamys*); Gundlach 1891: 345  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Ciénaga de Zapata. ? Guamacaro  
**Collections.** Gundlach no. 973  
*C. pauperrimus* Zayas 1988: 131  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Cupeyal (t.l.)  
**Collections.** Zayas (type)  
*C. pictus* Zayas 1988: 131  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Pan de Guajaibón (t.l.)  
**Collections.** Zayas (type)  
*C. pseudoflavicollis* Zayas 1988: 133  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Moa, Cupeyal. Type locality not given  
**Collections.** Zayas (type)  
*C. straminea* Suffrian 1866: 293 (*Chlamys*); Gundlach 1891: 345  
**Distribution.** Cuba. Endemic; also reported from Puerto Rico, but this is probably a misidentification (Shawn Clark, in litt.)  
**Cuba localities.** Gr: Cabo Cruz  
**Collections.** Gundlach no. 1523
- REFERENCES
- Balsbaugh, E.U., Jr. and M. Daccordi.** 1987. Reclassification of some Chrysomelini and a new species of *Plagioder* (Coleoptera: Chrysomelidae). *J. Kansas Ent. Soc.* 60: 30-40.  
**Barber, H.S.** 1946. A problematic apterous Hispid beetle from Cuba (Coleoptera:

- Chrysomelidae). Mem. Soc. Cubana Hist. Natur. 18: 19-22.
- Blake, D.H.** 1946a. Nine new species of *Metachroma* (Coleoptera) from the West Indies. J. Washington Acad. Sci 36: 22-27.
- Blake, D.H.** 1946b. Seven new species of West Indian Chrysomelidae (Coleoptera). Proc. Ent. Soc. Washington 48: 111-119.
- Blake, D.H.** 1946c. Species of beetles of the genus *Lactica* from the West Indies closely related to *L. tibialis* (Olivier). J. Washington Acad. Sci 36: 267-269.
- Blake, D.H.** 1947a. A new genus of flea beetles from the West Indies. J. Washington Acad. Sci. 37: 92-95.
- Blake, D.H.** 1947b. New eumolpid beetles from the West Indies. J. Washington Acad. Sci. 37: 310-315.
- Blake, D.H.** 1947c. The species of *Myochrous* from the West Indies (Coleoptera). Proc. Ent. Soc. Washington 49: 22-28.
- Blake, D.H.** 1948a. Six new species of West Indian Chrysomelidae (Coleoptera). Proc. Ent. Soc. Washington 50: 121-127.
- Blake, D.H.** 1948b. New species of *Metachroma* and other chrysomelid beetles from the West Indies. J. Washington Acad. Sci. 38: 274-279.
- Blake, D.H.** 1949. Notes on some West Indian Chrysomelidae. J. Washington Acad. Sci. 39: 367-371.
- Blake, D.H.** 1950a. A new genus of flea-beetles from the West Indies. Psyche 57: 10-25.
- Blake, D.H.** 1950b. A revision of the beetles of the genus *Myochrous*. Proc. US Nat. Mus. no. 3271, 101: 1-64.
- Blake, D.H.** 1951a. A revision of the beetles of the genus *Chalcosicya* Blake (Chrysomelidae) from the West Indies. Bull. Mus. Comp. Zool. (Harvard) 106: 287-312.
- Blake, D.H.** 1951b. Synonymies and new species of flea-beetles (Coleoptera, Chrysomelidae). Proc. Ent. Soc. Wash. 53: 138-147.
- Blake, D.H.** 1952. Six new species of *Megistops* with keys to the known species (Coleoptera). Psyche 59: 1-12.
- Blake, D.H.** 1953. The chrysomelid beetles of the genus *Strabala* Chevrolat. Proc. U.S. Natl. Mus. 103: no. 3319, 121-134.
- Blake, D.H.** 1954. Five new species of chrysomelid beetles. J. Washington Acad. Sci. 44: 246-250.
- Blake, D.H.** 1955. Revision of the vittate species of the Chrysomelid genus *Disonycha* from the Americas south of the United States. Proc. U.S. Natl. Mus. 104 (3338): 1-86.
- Blake, D.H.** 1956. Three new Neotropical flea beetles. J. Washington Acad. Sci. 46: 142-144.
- Blake, D.H.** 1958. Some new West Indian eumolpid beetles. Psyche 65: 91-98.
- Blake, D.H.** 1959a. Seven new galerucid beetles from the West Indies. J. Wash. Acad. Sci. 49: 178-182.
- Blake, D.H.** 1959b. Ten new flea-beetles from Cuba. Proc. Ent. Soc. Washington 61: 241-248.
- Blake, D.H.** 1960. Seven new species of West Indian Chrysomelidae. Proc. Ent. Soc. Washington 62: 97-103.
- Blake, D.H.** 1962. Eight new species of *Metachroma* from the West Indies. Proc. Ent. Soc. Washington 64: 175-180.
- Blake, D.H.** 1963. Eight new chrysomelid beetles from the West Indies. Proc. Ent. Soc. Washington 65: 14-20.
- Blake, D.H.** 1964. Notes on new and old species of Alticinae (Coleoptera) from the West Indies. Proc. U.S. Natl. Mus. 115: no. 3477, 9-29.
- Blake, D.H.** 1965. Twelve new species of chrysomelid beetles from the West Indies (Coleoptera, Chrysomelidae). Am. Mus. Novitates no. 2217, 13 pp.
- Blake, D.H.** 1966a. More new galerucine beetles with excised tibiae in the male. Proc. U. S. Natl. Mus. 118: no. 3528, 233-255.
- Blake, D.H.** 1966b. Ten new chrysomelid beetles from the West Indies and Key West. Proc. Ent. Soc. Washington 68: 213-222.
- Blake, D.H.** 1967. Some new and old species of *Colaspis* in the West Indies. Proc. Ent. Soc. Washington 69: 225-237.
- Blake, D.H.** 1970a. Some new chrysomelid beetles from Cuba. Casopis Moravského Musea (Brno) 60: 115-126.
- Blake, D.H.** 1970b. A review of the beetles of the genus *Metachroma* Chevrolat (Coleoptera: Chrysomelidae). Smiths. Cont. Zool. no. 57. 109 pp.
- Blake, D.H.** 1971. Fifteen new West Indian chrysomelid beetles. Proc. Ent. Soc. Washington 73: 269-282.
- Blanco, J.G. and C.N. Duckett.** 2001. Taxonomic revision and cladistic analysis of *Homoschema* Blake (Coleoptera: Chrysomelidae: Alticini). Caribb. J. Sci. 37: 1-29.
- Borowiec, L.** 1989. Three new species of *Charidotella* Weise (Coleoptera, Chrysomelidae, Cassidinae), with checklist of the genus. Polskie Pismo Ent. 59: 203-222.



- Chaboo, C.S.** 2000. Revision and phylogeny of the Caribbean genus *Elytrogona* Chevrolat (Coleoptera: Chrysomelidae; Cassidinae: Stolaini). Coleop. Bull. 54: 379-394.
- Chaboo, C.S.** 2002. Range extensions of New World tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae). Proc. Ent. Soc. Washington 104: 716-720.
- Daccordi, M.** 1995. Su alcume specie di *Leucocera* Chevrolat dell'Isola di Cuba (Coleoptera Chrysomelidae, Chrysomelinae). Boll. Mus. Reg. Sci. Nat. Torino 13: 35-43.
- Fernández García, I.** 1998a. Nueva especie de *Metachroma* Chevrolat (Coleoptera: Chrysomelidae) de Cuba. Poeyana 455: 1-3.
- Fernández García, I.** 1998b. Algunos aspectos ecológicos de la comunidad de coleopteros de un agroecosistema cañero en la provincia de La Habana. Poeyana no. 460, 1 14.
- Furth, D.G.** 1998. New World *Blepharida* Chevrolat 1836 (Coleoptera: Chrysomelidae: Alticinae). Mem. Ent. Soc. Washington 21, 109 pp.
- Furth, D.G. and V. Savini.** 1996. Checklist of the Alticinae of Central America, including México (Coleoptera; Chrysomelidae). Insecta Mundi. 10: 45-68.
- Furth, D.G. and V. Savini.** 1998. Corrections, clarifications, and additions to the 1996 checklist of the Alticinae of Central America, including México (Coleoptera: Chrysomelidae). Insecta Mundi 12: 133-138.
- Heyer, W., M.-L. Chiang Lok, and B. Cruz.** 1989. Some aspects of biology and population dynamics of *Diabrotica balteata* LeC. and *Systema basalis* du Val (Coleoptera, Chrysomelidae), maize and bean pests in Cuba. Acta Phytopathol. Ent. Hung. 24: 93-97.
- Heyer, W., M.-L. Chiang Lok, and B. Cruz.** 1993. Zur Fertilität und Mortilität der Chrysomeliden *Diabrotica balteata* Lec., *Andrector ruficornis* (Oliv.) und *Systema basalis* Duval. Beitr. Entomol (Berlin) 43: 379-385.
- Medvedev, L.N.** 1993. On the fauna and zoogeography of leaf-beetles of the West Indies. 4-16. In: Sokolov, V.E. (ed.). Investigations of the Cuban fauna [Issledovaniya fauny Kuby]. Nauka, Moscow. [in Russian].
- Riley, E.G.** 1986. Review of the tortoise beetle genera of the tribe Cassidini occurring in America north of México (Coleoptera: Chrysomelidae: Cassidinae). J. New York Ent. Soc. 94: 98-114.
- Sanderson, M.W.** 1967. New West Indian Hispinae, with notes and keys (Coleoptera: Chrysomelidae). Carib. J. Sci. 7: 135-139.
- Savini, V. and Furth, D.** 1999. Revisión del Género *Gioia* Bechyné, 1955 (Coleoptera: Chrysomelidae: Alticinae) de las Antillas. Elytron 13: 19-34.
- Staines, C.L.** 1989. A revision of the genus *Octotoma* (Coleoptera, Chrysomelidae, Hispinae). Insecta Mundi 3: 41-56.
- Staines, C.L.** 1994. A revision of the genus *Anisostena* Weise (Coleoptera: Chrysomelidae: Hispinae). Part II. The subgenus *Anisostena*: key to the species groups and the *ariadne* species group. Insecta Mundi 8: 125-135.
- Staines, C.L.** 2000. A new species of *Cubispa* Barber, 1946 (Coleoptera, Chrysomelidae) from Guatemala. Dtsch. Ent. Zeit. 47: 57-60.
- Uhmann, E.** 1959. Amerikanische Hispinae der Sammlungen Amerikanischer Entomologen. Pesquisas 3: 611-630.
- Vázquez, L.L., E. Valdés, and J.C. Amor.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.
- Vogt, G.B., J.U. McGuire, Jr., and A.D. Cushman.** 1979. Probable evolution and morphological variation in South American Dysonychine flea beetles (Coleoptera: Chrysomelidae) and their amaranthaceous hosts. US Dept. Agric. Tech. Bull. 1593. 148 pp.
- White, R.E.** 1970. Authorship of the genus *Phyllotreta* (Chrysomelidae: Coleoptera). Proc. Ent. Soc. Wash. 72: 388-389.
- White, R.E.** 1989. Homonymy in world species-group names of Criocerinae (Coleoptera: Chrysomelidae). US Dept. Agric. Tech Bull 1629. 69 pp.
- White, R.E.** 1993. A revision of the subfamily Criocerinae (Chrysomelidae) of North America north of Mexico. U. S. Dept. Agric. Tech. Bull. 1805. 158 pp.
- White, R.E.** 1996. A revision of the genus *Chaetocnema* of America north of México (Coleoptera; Chrysomelidae). Cont. Amer. Ent. Soc. 29:1-125.
- Wilcox, J.A.** 1983. Chrysomelidae. In: R.H. Arnett Jr., (ed.). Checklist of the beetles of North and Central America and the West Indies. Flora and Fauna Pubs., Gainesville, FL. Vol. 8. 166 pages.
- Zayas, F. de.** 1939. Dos nuevas especies de Chrysomelidae de Cuba (Cassidinae). Mem. Soc. Cubana Hist. Nat. 13: 253-256.

**Zayas, F. de.** 1952: Nuevos crisomelidos de las subfamilias Cassidinae y Clytrinae. Mem. Soc. Cubana Hist. Nat. 21: 71-75.

**Zayas, F. de.** 1960a. Contribucion al estudio de los *Cryptocephalus* Cubanos (Coleoptera: Chrysomelidae) y adición de 25 nuevas especies y formas a la fauna. Mem. Soc. Cub. Hist. Natu. 24: 135-217 and 14 plates.

**Zayas, F. de.** 1960b. Dos nuevos especies de Chrysomelidae Col. de Cuba. Mem. Soc. Cubana Hist. Nat. 24: 129-133.

#### SUPERFAMILY CURCULIONOIDEA

Reviewed by R. S. Anderson, February 2002

##### 160. FAMILY NEMONYCHIDAE

This family occurs in temperate parts of North and South America but not the West Indies. The larvae usually feed in the male cones of conifers.

##### 161. FAMILY ANTHRIBIDAE

The fungus weevils

Larvae and adults of this family usually occur on or in rotten wood and fungal fruiting bodies. Members of the Choraginae are often seed feeders. Valentine (1999) is a summary of the Nearctic fauna and includes data on some Cuban species. Valentine (2004) indicates that there are an additional 22 undescribed species and an additional three genera for Cuba, which are not included below.

##### SUBFAMILY CHORAGINAE

###### TRIBE ARAECERINI

##### **Acaromimus** Jordan 1907: 381

*A. americanus* (Motschulsky) 1873: 251 (*Xenorchestes*); Valentine 2004: 54

**Distribution.** USA: coastal TX, AL, FL (Florida Keys including Dry Tortugas), Bahamas (Andros, New Providence)

**Cuba localities.**

**Collections.**

##### **Araecerus** Schönherr 1823: 1135

*A. fasciculatus* DeGeer 1775: 276 (*Curculio*); Jacquelin du Val 1857: 17; Valentine 2004: 52. The coffee bean weevil

*A. coffeae* Fabricius 1801: 411; Valentine 1999: 252

**Distribution.** Cuba (introduced), Hispaniola, Jamaica, Genada, Bermuda, México to South America; cosmopolitan. A generalist feeder on many dried and living plant tissues

**Cuba localities.** Widespread

**Collections.**

##### **Neoxenus** Valentine 1999: 255.

*N. pallipes* (Suffrian) 1870: 170 (*Notioxenus*); Gundlach 1891: 268; Valentine 1999: 255; 2004: 53

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 690

###### TRIBE CISANTHRIBINI

##### **Sicanthus** Valentine 1999: 258

(*S. rhizophorae* Valentine 1999: 259)

**Distribution.** USA: Florida Keys only

**Cuba localities.**

**Collections.**

##### SUBFAMILY ANTHRIBINAE

###### TRIBE DECATAPHANINI

##### **Ptychoderes** Schönherr 1823: 1135

*P. cristalensis* Zayas 1988: 150; Valentine 2004: 55

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Yateras. Ho: Sierra Cristal (type locality designated in Valentine 2004: 55)

**Collections.** Zayas (type)

###### TRIBE ISCHNOCERINI

##### **Ischnocerus** Schonherr 1839: 191

(*I. infuscatus* Fahraeus 1939: 192; Valentine 2004: 56)

**Distribution.** Bahamas (Andros, Abaco, Eleuthera), USA (MD to TX), Mexico to Guatemala

**Cuba localities.**

**Collections.**

###### TRIBE GYMNOGNATHINI

##### **Gymnognathus** Schönherr 1826: 37

*G. caniqui* Zayas 1988: 151; Valentine 2004: 56 (indicating that the species is in an undescribed genus)

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata (t.l.)

**Collections.** Zayas (type)

###### TRIBE RHINOTROPIDINI

##### **Homocloeus** Jordan 1904: 264

*H. acerbus* (Boheman) 1833: 149 (*Tropideres*); Jacquelin du Val 1857: 170; Gundlach 1891: 269; Valentine 2004: 56

- Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 176. Stockholm (type)
- H. balteatus* (Gyllenhal) 1833: 154 (*Tropideres*); Jacquelin du Val 1857: 170; Gundlach 1891: 273; Valentine 2004: 56  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- H. caliginosus* (Boheman) 1833: 149 (*Tropideres*); Jacquelin du Val 1857: 169; Gundlach 1891: 27; Valentine 2004: 56  
*Tropideres modesta* Suffrian 1870: 182; Gundlach 1891: 270; Valentine 2004: 56 (synonymy)  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1862
- H. confusus* (Suffrian) 1870: 198 (*Tropideres*); Gundlach 1891: 274; Valentine 2004: 56  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cardenas; Fermina  
**Collections.** Gundlach no. 1159. Halle (cotypes)
- H. dermestoides* (Suffrian) 1870: 176 (*Eugonus*); Gundlach 1891: 269; Valentine 2004: 56  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC  
**Collections.** Gundlach no. 1861
- H. feralis* (Boheman) 1833: 148 (*Tropideres*); Jacquelin du Val 1857: 168; Gundlach 1891: 269; Valentine 2004: 56  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 674. Halle (type)
- H. laetus* (Suffrian) 1870: 195 (*Tropideres*); Gundlach 1891: 273; Valentine 2004: 56  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo  
**Collections.** Gundlach no. 1370
- H. luscus* (Fahraeus) 1839: 209 (*Tropideres*); Jacquelin du Val 1857: 169; Gundlach 1891: 270  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas. Stockhlohm (type)  
**Collections.** Gundlach no. 13
- H. obsoletus* (Suffrian) 1870: 184 (*Tropideres*); Gundlach 1891: 271; Valentine 2004: 57  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 172. Stockholm (type)
- H. sexverrucatus* Suffrian 1870: 190 (*Tropideres*); Gundlach 1891: 272; Valentine 2004: 57  
**Distribution.** Cuba, USA (FL)  
**Cuba localities.** Gr: Bayamo. M: Matanzas  
**Collections.** Gundlach no. 1158
- H. sordidulus* (Suffrian) 1870: 193 (*Tropideres*); Gundlach 1891: 272; Valentine 2004: 57  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 754

## TRIBE PIESOCORYNINI

**Brachycorynus Valentine 1999: 271**

- B. distentus* (Frieser) 1983: 53 (*Homocloeus*); Valentine 1999: 272; 2004: 58  
**Distribution.** Cuba, USA (s FL and Keys)  
**Cuba localities.** Ha: Playa Marianao (t.l.)  
**Collections.** Frieser colln, (type to be deposited in ZSMC: Zoologische Staatssammlung, Munich, Germany)

**Phaenotheriopsis Wolfrum 1931: 70**

- P. bierigi* Wolfrum 1931: 70; Valentine 2004: 58  
**Distribution.** Cuba endemic.  
**Cuba localities.** Ha: Tapaste (t.l.)  
**Collections.** Basel (type)

**Piesocorynus Dejean 1834: 235**

- P. suffriani* Valentine 2004: 58 (replacement name for *P. gracilicornis*)  
*P. gracilicornis* Suffrian 1870: 186 (*Tropideres*); Gundlach 1891: 271  
**Distribution.** Cuba, Bahamas (Andros)  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 483

## TRIBE PLATYRHINI

**Eucloeus Wolfram 1930: 26**

- E. angulatus* (Suffrian) 1870: 199 (*Ptychoderes*); Gundlach 1891: 274; Valentine 2004: 59  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Yateras. SS: Trinidad  
**Collections.** Gundlach no. 1174. Halle (type)

## TRIBE PLATYSTOMINI

**Phoenicobiella Cockerell 1906: 243**

- P. trituberculatus* (Suffrian) 1870: 172 (*Toxonotus*); Gundlach 1891: 268; Valentine 2004: 60  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos. Notes. *P. chamaeropsis* LeConte (1876: 401) is distributed

in USA (SC-LA) and Bahamas (South Bimini, Eleuthera, Crooked) (Valentine 2004: 60)  
**Collections.** Gundlach no. 811

**Toxonotus Lacordaire 1866: 575**

*T. fascicularis* (Schoenherr 1833: 132 (*Anthribus*); Jacquelin du Val 1857: 171; Gundlach 1891: 268; Valentine 1999: 277; 2004: 60

**Distribution.** Cuba, Bahamas (widespread), USA (south Florida)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 96. Stockholm (type)

*T. mendax* (Wolfrum) 1930: 31 (*Neanthribus*); Valentine 2004: 60

**Distribution.** Cuba, Bahamas (South Bimini, Cat, Abaco, Acklins, Crooked, Great Inagua)

**Cuba localities.**

**Collections.**

TRIBE TRIGONORHININI

**Trigonorhinus Wollaston 1861: 102**

*T. rotundatus* (LeConte) 1876: 407; Valentine 2004: 61

**Distribution.** Cuba?, Mexico (northern), USA (ME-IL-FL-TX)

**Cuba localities.** PR: Sierra del Rosario, San Vicente

**Collections.** Champaign

TRIBE ZYGAENODINI

**Eusphyrus LeConte 1876: 399**

*E. schwarzi* Pierce 1930: 28; Valentine 1999: 285; 2004: 61

**Distribution.** Cuba, USA (s FL and Keys)

**Cuba localities.**

**Collections.**

**Ormiscus Waterhouse 1845: 37**

*O. angulatus* (Suffrian) 1870: 187 (*Tropideres*); Gundlach 1891: 271; Valentine 2004: 61

*T. variolosa* Suffrian 1970: 188; Gundlach 1891: 271; Valentine 2004: 61 (synonymy); Gr: Bayamo. M: Cienaga de Zapata. Gundlach no. 995

**Distribution.** Cuba, Hispaniola, Jamaica

**Cuba localities.** Gr: Bayamo. Ma: Cárdenas

**Collections.** Gundlach no. 173. Halle (type)

*O. floridanus* (Leng) 1916: 28 (*Toxotropis*); Valentine 2004: 61

**Distribution.** Cuba, USA (FL and Keys)

**Cuba localities.**

**Collections.**

*O. fuscipennis* (Suffrian) 1870: 192 (*Tropideres*); Gundlach 1891: 272; Valentine 2004: 61

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 997

*O. griseus* (Suffrian) 1870: 195 (*Tropideres*); Gundlach 1891: 273; Valentine 2004: 61

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 996

*O. parvulus* (Suffrian) 1870: 193 (*Tropideres*); Gundlach 1891: 272; Valentine 2004: 62

*Tropideres blanchardi* Blackwelder 1947: 768 (replacement name)

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas; Cienaga de Zapata

**Collections.** Gundlach no. 658

REFERENCES

**Valentine, B.** 1999 [1998]: A review of Nearctic and some related Anthribidae (Coleoptera). *Insecta Mundi* 12: 251-296.

**Valentine, B.** 2004. A catalogue of West Indies Anthribidae (Coleoptera). *Insecta Mundi* 17: 49-67.

162. FAMILY BELIDAE

The cycad weevils

Members of this family breed in cones of cycads and *Aurucaria*, in palm fruits, and in the flowers of Hydnoraceae root parasites. *Rhopalotria slossoni* of Florida breeds in the cones of *Zamia* cycads.

SUBFAMILY ALLOCORYNINAE

**Rhopalotria Chevrolat 1878: XCVII**

*R. dimidiata* Chevrolat 1878: XCVII; Muñiz and Barrera 1969: 205

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Varadero. A pollinator of *Zamia* cycads and probably breeding in *Zamia* cones

**Collections.**

REFERENCES

**Muñiz, R. and A. Barrera.** 1969. *Rhopalotria dimidiata* Chevrolat, 1878: estudio morfológico del adulto y descripción de la larva (Ins. Col. Curcul.: Oxycoryninae). *Rev. Soc. Mexicana Hist. Natur.* 30: 205-222.



**163. FAMILY ATTELABIDAE**

The leaf rolling weevils, tooth-nose snout beetles,  
and thief weevils.

O'Brien and Wibmer (1982) is the primary  
source for this list.

**SUBFAMILY ATTELABINAE*****Emphyleuscelus* Voss 1925: 69**

*E. cubensis* Janczyk 1960: 36

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Vienna (type)

***Euscelus* Schönherr 1833: 205**

*E. angulosus* (Gyllenhal) 1833: 208 (*Attelabus*);  
Jacquelin du Val 1857: 172; Gundlach 1891:  
280

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Gundlach no. 116

*E. armatus* (Gyllenhal) 1833: 208 (*Attelabus*);  
Jacquelin du Val 1857: 172; Gundlach 1891:  
281

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Pittsburgh

*E. aureolus* (Gyllenhal) 1833: 209 (*Attelabus*);  
Jacquelin du Val 1857: 173; Gundlach 1891:  
281

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 227

*E. callosipennis* Voss 1925: 44

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.** Berlin

*E. cancellatus* Voss 1925: 43

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Berlin (type)

*E. cribrarius* (Olivier) 1807: 8

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

*E. pulchellus* (Suffrian) 1870: 224; Gundlach 1891:  
281

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 158

*E. scutellatus* (Klug) 1829: 12 (*Attelabus*); Jacquelin  
du Val 1857: 171; Gundlach 1891: 280

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1156

*E. sexmaculatus* (Chevrolat) 1876: CCXXVII

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

**SUBFAMILY RHYNCHITINAE****TRIBE RHYNCHITINI*****Rhynchites* Schneider 1791: 83**

*R. grandis* Zayas 1988: 191

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Gran Piedra (t.l.)

**Collections.** Zayas (type)

*R. trifasciatus* Suffrian 1870: 229; Gundlach 1891:  
282

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 1014

**TRIBE AULETINI*****Auletobius* Desbrochers 1869: 396**

*A. cubanus* Voss 1922: 63

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Berlin (type)

**REFERENCES**

O'Brien, C.W. and G.J. Wibmer. 1982. Annotated checklist of the weevils (Curculinidae sensu lato) of North America, Central America, and the West Indies (Coleoptera: Curculionoidea). Mem. Amer. Ent. Inst. 34.

**164. FAMILY BRENTIDAE**

The straight-snouted weevils and the pear  
shaped weevils

Kissinger (1974) and O'Brien and Wibmer  
(1982) are the primary sources for this list.

**SUBFAMILY BRENTINAE****TRIBE BRENTINI*****Brentus* Fabricius 1787: 95**

*B. anchorago* (L.) 1758: 383; Jacquelin du Val 1857:  
175

*Belopherus militaris* Olivier, Jacquelin du Val  
1857: 174; Gundlach 1891: 276

*Belopherus strigicollis* Lacordaire, Gundlach  
1891: 276 (*Belophorus*)

*Brenthus turbatus* Olivier, Jacquelin du Val  
1857: 176; Gundlach 1891: 275

*Brenthus simplicicollis* Chevrolat, Gundlach 1891: 277

*Brenthus vulneratus* Schoenherr, Jacquelin du Val 1857: 177

*Brenthus monilis* Fabricius, Jacquelin du Val 1857: 178

**Distribution.** Cuba, widespread West Indies, México, Central America, South America, USA (FL); under bark

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1350 (*B. simplicicollis*); no. 121 (*B. strigicollis*)

#### TRIBE ARRHENODINI

#### *Estenorhinus* Lacordaire 1866: 431

*E. forcipitigerus* Gyllenhal (L. & M.) 1814: 477

*Arrhenodes forcipitigerus* Schoenherr, Jacquelin du Val 1857: 173?; Gundlach 1891: 277 (*Estenorhinus*); 283

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 122

#### SUBFAMILY CYPHAGOGINAE

##### TRIBE STEREODERMINI

#### *Stereodermus* Lacordaire 1866: 419

*S. exilis* Suffrian 1870: 220; Gundlach 1891: 279 (*Stercodermus*)

**Distribution.** Cuba, USA (FL); hammock forests

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 327

#### SUBFAMILY TRACHELIZINAE

##### TRIBE TRACHELIZINI

#### *Paritrachelizus* Kleine 1921: 32

*P. linearis* (Suffrian) 1870: 218 (*Trachelizus*); Gundlach 1891: 279

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 523

*P. simplex* (Suffrian) 1870: 218 (*Trachelizus*); Gundlach 1891: 279

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 294

*P. tenuis* (Suffrian) 1870: 216 (*Trachelizus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 123

*P. uncimanus* (Boheman) 1840: 496 (*Trachelizus*); Jacquelin du Val 1857: 174; Gundlach 1891: 278

**Distribution.** Cuba, USA (FL); on *Solanum* fruits, in hammock forests

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1351

#### SUBFAMILY CYLADINAE

#### *Cylas* Latreille 1802: 196

*C. formicarius* (Fabricius) 1798: 174. The sweetpotato weevil

**Distribution.** Cuba (introduced), widespread West Indies, Central and South America, USA (NM-FL); coastal in *Ipomoea pes-caprae*. This is a serious agricultural pest species

**Cuba localities.**

**Collections.** Gundlach no. 1863

#### SUBFAMILY ULOCERINAE

#### *Ulocerus* Schoenherr 1823: c.1137

*U. bicaudatus* Suffrian 1870: 230

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 999

#### SUBFAMILY APIONINAE

The Apioninae mostly feed on leaves as adults and the larvae bore into seeds, stems, and other plant parts.

##### TRIBE APIONINI

*Apion* Herbst 1797: 100. The generic placement of these species may need to be reviewed

*A. agraticum* Kissinger 1974: 28

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Moa (t.l.)

**Collections.** Champaign (type)

*A. analomum* Kissinger 1974: 6

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. PR: Bahia

Honda. SC: Gran Piedra (t.l.); Loma del Gato

**Collections.** Champaign (type). Washington

*A. dilutum* Kissinger 1974: 17

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

(*A. gulare* Fall 1898: 140; Kissinger 1974: 8)

**Distribution.** Jamaica, México, USA (FL); larvae develop in seeds of Jamaican dogwood

**Cuba localities.**

**Collections.**

*A. latrum* Kissinger 1974: 8

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. PR: Aspiro-Rangel (t.l.); Bahia Honda. ?Corralillo

**Collections.** Champaign (type). Washington

*A. maculaalba* Suffrian 1870: 232; Gundlach 1891: 283; Kissinger 1974: 14

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas; Soledad. Gu: Imias. M: Cárdenas. SC: Gran Piedra

**Collections.** Gundlach no. 1219. Washington

*A. naulum* Kissinger 1974: 10

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Moa (t.l.)

**Collections.** Champaign (type). Washington

*A. nigrosparsum* Suffrian 1870: 230; Gundlach 1891: 282

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas. Gr: Bayamo

**Collections.** Gundlach no. 1390. Washington

*A. satagium* Kissinger 1974: 16

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. vetitum* Kissinger 1974: 13

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Bahia Honda (t.l.)

**Collections.** Washington (type)

#### TRIBE PIEZOTRACHELINI

#### *Chrysapion* Kissinger 1968: 23

*C. tantillum* (Sharp) 1890: 50; Kissinger 1974: 4

**Distribution.** Cuba, México, Guatemala, USA (TX)

**Cuba localities.** CA: Baraguá

**Collections.** Washington

#### SUBFAMILY NANOPHYINAE

##### TRIBE NANOPHYINI

#### *Nanophyes* Schönherr 1838: 780

*N. dispersenotatus* (Pic) 1916: 14 (*Nanodes*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### REFERENCES

- Kissinger, D. A. 1974. Apioninae occurring in the West Indies (Curculionidae, Coleoptera). Taxonomic Publication, Riverside, CA. 57 pp.
- O'Brien, C.W. and G.J. Wibmer. 1982. Annotated checklist of the weevils (Curculinidae

sensu lato) of North America, Central America, and the West Indies (Coleoptera: Curculionoidea). Mem. Amer. Ent. Inst. 34.

#### 165 FAMILY CARIDAE

The four genera of this family occur in southern South America.

#### 166. FAMILY ITHYCERIDAE

This family contains only one species in north-eastern North America, and it is associated with oaks.

#### 167. FAMILY CURCULIONIDAE

The snout beetles or weevils

Reviewed by R.S. Anderson July 1994

This is the largest of all beetle families. Habits are variable, but most species feed as larvae in rotting wood and cambium, or the roots, stems, flowers, and seeds of living plants. Many larvae occur in the soil and are root feeders. Some species are economic pests of grain, rice, cotton, etc. O'Brien and Wibmer (1982) is the primary source for this list. Records for species presence in Cuba which are listed without supporting data are from O'Brien and Wibmer (1982). The bark and ambrosia beetles (Scolytinae and Platypodinae) have traditionally been ranked as families. An alternative higher classification of this group is that of Alonso-Zarazaga and Lyal (1999) which uses additional family units, and in which Scolytidae and Platypodidae are used as families.

#### SUBFAMILY DRYOPHTHORINAE

##### TRIBE DRYOPHTHORINI

#### *Stenommatius* Wollaston 1873: 442

*S. parasulcifrons* Osella 1981: 181

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Quemado de Pineda (t.l.)

**Collections.** Verona (type)

*S. musae* Marshall 1920: 271; Osella 1981: 183

**Distribution.** Cuba (introduced); native to Pacific Islands

**Cuba localities.** PR: Guanahacabibes

**Collections.** Zayas or Verona

##### TRIBE ORTHOGNATHINI

#### *Mesocordylus* Lacordaire 1866: 314

*M. cubensis* Vaurie 1970: 26

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Viñales (t.l.)

**Collections.** New York (type)

***Rhinostomus Rafinesque 1815: 115***

- R. oblitus* (Jacquelin du Val) 1857: 229 (*Rhina*);  
Gundlach 1891: 333  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** IJ  
**Collections.** Gundlach no. 478

TRIBE RHYNCHOPHORINI  
SUBTRIBE RHYNCOPHORINA

***Rhyncophorus Herbst 1795: Pls LX-LXI***

- (*R. cruentatus* (Fabricius) 1775: 128 (*Curculio*))  
**Distribution.** West Indies, South America, USA (TX-SC-FL)  
**Cuba localities.**  
**Collections.**  
*R. palmarum* (Linnaeus) 1758: 377 (*Curculio*)  
**Distribution.** Cuba, West Indies, México to South America, USA (CA, TX)  
**Cuba localities.**  
**Collections.**

SUBTRIBE LITOSOMINA

***Sitophilus Schönherr 1838: 967***

- S. granarius* (Linnaeus) 1758: 378 (*Curculio*). The granary weevil  
**Distribution.** Cuba (introduced); cosmopolitan; a stored products pest  
**Cuba localities.**  
**Collections.**  
*S. linearis* (Herbst) 1797: 5 (*Rhyncophorus*);  
Gundlach 1891: 335  
**Distribution.** Cuba, Dominica, Guadeloupe, Jamaica, Puerto Rico, St. Barthélemy, Costa Rica, South America, Old World, USA (FL, LA). A stored products pest, distributed by commerce  
**Cuba localities.** Gr: Bayamo (in tamarind pods). VC: Las Pozas  
**Collections.** Gundlach no. 1063  
*S. oryzae* (Linnaeus) 1763: 395 (*Curculio*);  
Jacquelin du Val 1857: 234; Gundlach 1891: 336 (*S. orizae*). The rice weevil  
**Distribution.** Cuba (introduced); cosmopolitan; a stored products pest  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 231  
*S. zeamais* Motschulsky 1855: 77. The maize weevil  
**Distribution.** Cuba (introduced); cosmopolitan; a stored products pest  
**Cuba localities.**  
**Collections.**

SUBTRIBE SPHENOPHORINA

***Cosmopolites Chevrolat 1885: 289***

- C. sordidus* (Germar) 1824: 299 (*Calandra*)  
**Distribution.** Cuba, widespread West Indies, México to South America, USA (FL)  
**Cuba localities.**  
**Collections.**

***Metamasius Horn 1873: 410***

- M. bruneri* Buchanan 1941: 169  
**Distribution.** Cuba, Jamaica?  
**Cuba localities.** SC: Loma del Gato (t.l.) (hiding in "Manaca" palm)  
**Collections.** Washington (type)  
*M. hemipterus* (Linnaeus) 1758: 377 (*Curculio*)  
*M. h. sericeus* (Olivier) 1807: 84; Jacquelin du Val 1857: 231; Gundlach 1891: 334 (*Sphenophorus sericeus*). Endemic subspecies of Cuba  
**Distribution.** Cuba, Jamaica, Hispaniola, Nicaragua to Panamá, USA (FL)  
**Cuba localities.** Widespread. A pest of plantain and bananas; boring into their trunks  
**Collections.**  
*M. mosieri* Barber 1920: 151  
**Distribution.** Cuba, Hispaniola, USA (FL)  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)  
*M. ritchiei* Marshall 1916: 197  
**Distribution.** Cuba, Jamaica  
**Cuba localities.** Attacks pineapples  
**Collections.**

***Scyphophorus Schönherr 1838: 855***

- S. acupunctatus* Gyllenhal 1838: 857  
*S. anthracinus* Gyllenhal 1838: 858; Jacquelin du Val 1857: 231; Gundlach 1891: 334  
**Distribution.** Cuba, Jamaica, Hispaniola, México to South America, USA (CA-KS-FL)  
**Cuba localities.** Gu: Guantánamo; M: Guamutas  
**Collections.** Gundlach no. 552

***Sphenophorus Schönherr 1838: 874***

- S. australis* Chittenden 1905: 53  
**Distribution.** Cuba, Puerto Rico, México, widespread USA  
**Cuba localities.**  
**Collections.**  
*S. cubensis* (Buchanan) 1936: 150 (*Calendra*)  
**Distribution.** Cuba, Jamaica, USA (FL)  
**Cuba localities.** Ci: Soledad. Ha: Central Amistad; Guanajay; Havana (t.l.); San Anto-



nio; Santiago de Las Vegas. PR: San Juan. ?  
Martinez

**Collections.** Washington (type)

*S. venatus* (Say) 1831: 22 (*Rhynchophorus*)

*S. placidus* (Say) 1831: 23 (*Rhynchophorus*);  
Gundlach 1891: 335

**Distribution.** Cuba, widespread USA

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 399

*S. vestitus* Chittenden 1904: 134

**Distribution.** Cuba, Bahamas, Hispaniola,  
Puerto Rico, México, Martinique, se USA

**Cuba localities.**

**Collections.**

#### SUBFAMILY ERIRRHININAE

##### TRIBE ERIRRHININI

##### SUBTRIBE STENOPELMINA

#### *Helodytes* Kuschel 1952: 56

*H. minox* Kuschel 1952: 61

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### *Lissorhoptrus* LeConte 1876: 183

*L. brevisrostris* (Suffrian) 1871: 157 (*Hydronomus*);  
Gundlach 1891: 293; Kuschel 1952: 50

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas; Real Campiña.

A pest of rice plants (bionomics: Carbonnel 1982;  
Meneses 1981)

**Collections.** Gundlach no. 444. Washington

*L. lacustris* Kuschel 1952: 38

**Distribution.** Cuba, USA (FL, GA)

**Cuba localities.**

**Collections.**

*L. oryzophilus* Kuschel 1952: 44

**Distribution.** Cuba, México, USA (FL-TX-  
CT)

**Cuba localities.**

**Collections.**

#### *Neohydronomus* Hustache 1926: 229

*N. elegans* O'Brien and Wibmer 1989: 301

**Distribution.** Cuba, México to Panamá; feeds  
on water lettuce (*Pistia stratiotes*)

**Cuba localities.** Ci: Cumanayagua

**Collections.**

#### SUBFAMILY CURCULIONINAE

##### TRIBE ANTHONOMINI

#### *Anthonomus* Germar 1817: 340

*A. alboannulatus* Boheman 1843: 218; Gundlach  
1891: 286

**Distribution.** Cuba, Guadeloupe

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1407

*A. albocapitis* Clark 1991a: 267

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
British Virgin Islands

**Cuba localities.** Ca: near California. Ci:  
Cayamas

**Collections.**

*A. costulatus* Suffrian 1871: 137; Gundlach 1891:  
287

**Distribution.** Cuba, Puerto Rico, USA (FL,  
TX)

**Cuba localities.** M: Cárdenas; Cienaga de  
Zapata

**Collections.** Gundlach no. 1017

*A. fastosus* Clark 1991b: 51

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo Naval Base  
(t.l.)

**Collections.** O'Brien (type)

*A. grandis* Boheman 1843: 232; Gundlach 1891:  
285

**Distribution.** Cuba, Hispaniola, México to  
South America, USA (TX-TN-FL)

**Cuba localities.**

**Collections.** Gundlach no. 215

*A. irroratus* Dietz 1891: 198

**Distribution.** Cuba, Puerto Rico, México,  
USA (FL)

**Cuba localities.**

**Collections.**

*A. julichi* Dietz 1891: 198

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

*A. leucocephale* Clark 1991a: 270

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. luteus* Suffrian 1871: 131; Gundlach 1891: 286

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1644

*A. modicellus* Gyllenhal 1836: 355; Gundlach 1891:  
289

**Distribution.** Cuba, Guadeloupe, Martinique,  
St. Barthélemy

**Cuba localities.** PR: Rangel

**Collections.** Gundlach no. 1385

- A. morbillosus* Suffrian 1871: 146; Gundlach 1891: 285  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo  
**Collections.** Gundlach no. 1406
- A. pulchellus* Suffrian 1871: 138; Gundlach 1891: 287  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1312
- A. punctipennis* Gyllenhal 1836: 334; Jacquelin du Val 1857: 199; Gundlach 1891: 286
- A. aristus* Suffrian 1871: 134
- A. divisus* Suffrian 1871: 134  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas; Cienaga de Zapata  
**Collections.** Gundlach no. 383
- A. rhamphoides* Suffrian 1871: 142; Gundlach 1891: 288  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata  
**Collections.** Gundlach no. 1019
- A. suturellus* Gyllenhal 1836: 357; Gundlach 1891: 289  
**Distribution.** Cuba, Martinique  
**Cuba localities.** Ci: Cienfuegos. Gr: Bayamo  
**Collections.** Gundlach no. 1400
- A. testaceus* Boheman 1843: 225; Gundlach 1891: 289  
**Distribution.** Cuba, St. Vincent, Guadeloupe  
**Cuba localities.** M: Cienaga de Zapata. PR: Rangel  
**Collections.** Gundlach no. 1016
- A. tigrinus* Suffrian 1871: 135; Gundlach 1891: 287  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamo. M: Cárdenas  
**Collections.** Gundlach no. 772
- A. variegatus* Suffrian 1871: 139; Gundlach 1891: 288  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 189
- A. varipes* Jacquelin du Val 1857: 200; Gundlach 1891: 288  
**Distribution.** Cuba, Bahamas, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 162
- A. verrucosus* Suffrian 1871: 126; Gundlach 1891: 285  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 16
- Botanebius* Schönherr [1835]: 358**  
*B. tuberculatus* Gyllenhal 1836: 359; Jacquelin du Val 1857: 201; Gundlach 1891: 284  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 5260
- Huaca* Clark 1993a: 2**  
*H. collana* Clark 1993a: 21  
**Distribution.** Cuba; Jamaica  
**Cuba localities.** Ha: Havana area? Making flower galls on *Triopteris jamaicensis*  
**Collections.** Washington
- Loncophorus* Chevrolat 1832: 215**  
*L. daviesii* (Swederus) 1787: 194 (*Curculio*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- L. humeralis* Chevrolat 1832: 442  
*L. petiminosus* Germar 1836: 395; Jacquelin du Val 1857: 202; Gundlach 1891: 290  
**Distribution.** Cuba. Endemic  
**Cuba localities.** In seeds of *Ceiba*  
**Collections.** Gundlach no. 48
- Neomastix* Dietz 1891: 254**  
*N. veritas* Clark 1993b: 18  
**Distribution.** Cuba. Endemic  
**Cuba localities.** "Cuba"  
**Collections.** São Paulo (type)
- Pseudanthonomus* Dietz 1891: 248**  
*P. photon* Clark 1990: 678  
**Distribution.** Cuba, Hispaniola  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)
- TRIBE CAMAROTINI  
SUBTRIBE PRIONOMERA
- Odontopus* Say 1831: 15**  
*O. cubanus* (Zayas) 1988: 192 (*Prionomerus*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ca: Imías. SC: Pico Turquino. Type locality not given. In leaf litter  
**Collections.** Zayas (type)
- TRIBE DERELOMINI
- Celetes* Schönherr 1836: 634**  
*C. dimidiatus* (Suffrian) 1872: 160 (*Eurges*); Gundlach 1891: 300 (*Eurges*)  
**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cienfuegos  
**Collections.** Gundlach no. 229

***Derelomus* Schönherr 1825: column 583**

*D. albidus* Suffrian 1872: 159; Gundlach 1891: 300

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 467

***Phyllotrox* Schönherr 1843: 189**

*P. liturellus* Suffrian 1871: 152; Gundlach 1891: 292

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1643

*P. variegatus* Suffrian 1871: 154; Gundlach 1891: 292

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata

**Collections.** Gundlach no. 1013

TRIBE ERODISCINI

***Erodiscus* Schönherr 1825: column 583**

*E. morio* (Suffrian) 1871: 151 (*Toxeutes*); Gundlach 1891: 292

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata. In dry leaves of royal palm

**Collections.** Gundlach no. 1000

TRIBE OTIDOCEPHALINI

***Micromyrmex* Sleeper 1953: 118**

*M. poeyi* (Chevrolat) 1832: 107 (*Otidocephalus*); Jacquelin du Val 1857: 198; Gundlach 1891: 291

**Distribution.** Cuba, USA (FL)

**Cuba localities.** Widespread. On *Asclepias curasavica*

**Collections.** Gundlach no. 228

*M. pulicarius* (Boheman) 1843: 207 (*Otidocephalus*); Jacquelin du Val 1857: 198

**Distribution.** Cuba, Puerto Rico

**Cuba localities.**

**Collections.**

***Myrmex* Sturm 1826: 32**

*M. simplex* Suffrian 1871: 150 (*Otidocephalus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1273

TRIBE PIAZORHININI

***Piazorhinus* Schoenerr 1835: 471**

*P.* species; Vázquez et al. 1992: 45

**Distribution.** Cuba, probably introduced

**Cuba localities.** Las Tunas and Holguin Provinces. A destructive defoliator of *Coccoloba wifera* Jacq. and other species of *Coccoloba* in the coastal zone (Vázquez et al. 1992: 45)

**Collections.**

TRIBE PYROPINI

***Pyropus* Schönherr 1836: 641**

*P. sapphirinus* Gyllenhal 1836: 642

**Distribution.** Cuba, Jamaica, Hispaniola

**Cuba localities.**

**Collections.**

TRIBE SMICRONYCHINI

***Smicronyx* Schönherr 1843: 313**

*S. albosignatus* Suffrian 1871: 170; Gundlach 1891: 297

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad

**Collections.** Gundlach no. 1387

TRIBE TYCHIINI

SUBTRIBE LIGNYODINA

***Chionanthobius* Pierce 1912: 168**

*C. darlingtoni* Clark 1981: 690

**Distribution.** Cuba. Endemic

**Cuba localities.** Ha: Havana (t.l.)

**Collections.** Cambridge (type)

SUBTRIBE TYCHIINA

***Tychius* Germar 1817: 340**

*T. auricapillus* Suffrian 1871: 124; Gundlach 1891: 284

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Santiago de Cuba

**Collections.** Gundlach no. 1399

*T. discoloma* Suffrian 1871: 122; Gundlach 1891: 284

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 947

SUBFAMILY BAGOINAE

**Bagous Germar 1817: 340**

*B. argillaceus* (Suffrian) 1871: 159 (*Hydronomus*);  
Gundlach 1891: 293

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata

**Collections.** Gundlach no. 1411

*B. peregrinus* (Suffrian) 1871: 156 (*Hydronomus*);  
Gundlach 1891: 293

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1916

*B. tessulatus* (Suffrian) 1871: 160 (*Hydronomus*);  
Gundlach 1891: 293

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Cuba localities.** Gundlach no. 1409

## SUBFAMILY BARIDINAE

## TRIBE BARIDINI

## SUBTRIBE BARIDINA

**Baris Germar 1817: 340**

*B. azurea* (Boheman) 1836: 668 (*Baridius*);  
Jacquelin du Val 1857: 205; Gundlach 1891:  
316

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ: Nueva Gerona. M:  
Cárdenas

**Collections.** Gundlach no. 54. Pittsburgh

*B. chalybea* (Boheman) 1844: 126 (*Baridius*);  
Jacquelin du Val 1857: 205; Gundlach 1891:  
316 (*B. chalybacus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1179

*B. penicillata* (Boheman) 1836: 665 (*Baridius*)

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

(*B. puncticollis* (Schönherr) 1826: 277 (*Baridius*))

**Distribution.** West Indies (where?)

**Cuba localities.**

**Collections.**

*B. quadrimaculata* (Boheman) 1836: 661 (*Baridius*);  
Jacquelin du Val 1857: 205; Gundlach 1891:  
315

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 209

*B. tabaci* (Sallé) 1855: 269

**Distribution.** Cuba, Hispaniola

**Cuba localities.**

**Collections.**

## SUBTRIBE DIORYMERINA

**Diorymerus Schönherr 1825: column 586**

*D. substriatus* Boheman 1844: 286

*D. pelos* Jacquelin du Val 1857: 208; Gundlach  
1891: 317

**Distribution.** Cuba, South America

**Cuba localities.** Widespread

**Collections.** Gundlach no. 189

## SUBTRIBE EURHININA

**Eurhinus Illiger 1807: 309**

*E. festivus* (Fabricius) 1792: 404 (*Ehynchaenus*);  
Gundlach 1891: 318

**Distribution.** Cuba, Hispaniola, México to  
South America

**Cuba localities.** Widespread

**Collections.** Gundlach no. 118

## TRIBE MADOPTERINI

## SUBTRIBE ZYGOBARIDINA

**Apinocis Lea 1927: 371**

*A. insularis* (Buchanan) 1947: 167 (*Anacentrinus*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**Geraeus Pascoe 1889: 323**

*G. cubensis* (Casey) 1920: 402 (*Centrinaspis*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Guantánamo (t.l.)

**Collections.** Washington (type)

*G. penicilla* (Herbst) 1797: 29 (*Curculio*)

*Centrinus holosericeus* (Gyllenhal) 1836: 760;  
Jacquelin du Val 1857: 207; Gundlach 1891: 317

*C. oblongus* Schoenherr, Jacquelin du Val 1857:  
206; Gundlach 1891: 317

**Distribution.** Cuba, México, USA (TX-IN-FL)

**Cuba localities.**

**Collections.** Gundlach no. 169

*G. punctatissimus* (Boheman) 1836: 750  
(*Centrinus*); Jacquelin du Val 1857: 206;  
Gundlach 1891: 316

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 225

*G. tomentosa* (Casey) 1920: 403 (*Centrinaspis*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**



## TRIBE PERIDINETINI

***Peridinetus* Schönherr 1837: 467**

- P. roeselii* (Boheman) 1836: 206 (*Heilipus*)  
*P. maculatus* Rosenschoeld, Jacquelin du Val 1857: 225; Gundlach 1891: 321  
*P. poeyi* Jacquelin du Val 1857: 225; Gundlach 1891: 322  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.** Widespread. On caisimón (Piperaceae)  
**Collections.** Gundlach no. 160 (*P. maculatus*); no. 160.5 (*P. poeyi*)  
*P. signatus* Rosenschoeld 1837: 472; Jacquelin du Val 1857: 227; Gundlach 1891: 322  
**Distribution.** Cuba, Puerto Rico  
**Cuba localities.**  
**Collections.**

## SUBFAMILY CEUTORHYNCHINAE

## TRIBE CNEMOGONINI

***Panophthalmus* Buchanan 1936: 145**

- P. cubanus* Buchanan 1936: 146  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Santiago de Las Vegas (t.l.). In aerial roots of *Cissus*  
**Collections.** Washington (type)

## SUBFAMILY CONODERINAE

## TRIBE LECHRIOPINI

***Copturus* Schönherr 1825: column 586**

- C. floridanus* (Fall) 1906: 61 (*Piazurus*)  
**Distribution.** Cuba, Bahamas, USA (FL)  
**Cuba localities.**  
**Collections.**  
*C. peninsularis* Zayas 1988: 195  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cienaga de Zapata, San Blas (t.l.)  
**Collections.** Zayas (type)  
*C. sordidus* Zayas 1988: 193  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Cuba (t.l.)  
**Collections.** Zayas (type)  
*C. turquinensis* Zayas 1988: 194  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Loma del Gato; Turquino (t.l.)  
**Collections.** Zayas (type)

## TRIBE ZYGOPINI

***Mnemynurus* Heller 1895: 54**

- M. maestralis* Zayas 1988: 198  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Type locality not given  
**Collections.** Zayas (type)  
*M. rangelianus* Zayas 1988: 197  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Soroa; Rancho Mundito. Type locality not given  
**Collections.** Zayas (type)  
***Poecilogaster* Heller 1895: 16**  
*P. rubi* Zayas 1988: 200  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Soroa. Type locality not given  
**Collections.** Zayas (type)

## SUBFAMILY COSSONINAE

## TRIBE COSSONINI

***Cossonus* Clairville 1798: 58**

- C. cubae* Boheman 1845: 275; Jacquelin du Val 1857: 236; Gundlach 1891: 337  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 166  
*C. hamiltoni* Slosson 1899: 193  
**Distribution.** Cuba, St. Thomas, USA (FL)  
**Cuba localities.**  
**Collections.**  
*C. impressus* Boheman 1838: 1019; Jacquelin du Val 1857: 235; Gundlach 1891: 336  
**Distribution.** Cuba, Jamaica, Mona, Puerto Rico, St. Thomas, USA (FL)  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 168  
*C. spathula* Boheman 1838: 1035; Jacquelin du Val 1857: 235; Gundlach 1891: 337 (*C. spatula*)  
**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, Grenada, México to South America, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 238  
*C. subcostatus* Boheman 1845: 270; Jacquelin du Val 1857: 234; Gundlach 1891: 336  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 167

***Stenotrupis* Wollaston 1873: 447**

- S. acicula* Wollaston 1873: 603

**Distribution.** Cuba, Hispaniola, Puerto Rico  
**Cuba localities.** Found in dead fronds of  
*Thrinax* palms  
**Collections.**

TRIBE ACAMPTINI

***Acamptopsis* Champion 1909: 2**

*A. cubana* Champion 1909: 2

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

TRIBE DRYOTRIBINI

***Caulophilus* Wollaston 1854: 315**

*C. oryzae* (Gyllenhal) 1838: 1075 (*Rhyncolus*). The  
broadnosed grain weevil

**Distribution.** Cuba (introduced), Jamaica,  
Puerto Rico, México to Panamá, USA (CA-FL-  
SC); stored products pest

**Cuba localities.**

**Collections.**

TRIBE ONYCHOLIPINI

***Pseudopentarthrum* Wollaston 1873: 445**

*P. sp.* Champion 1909: 14

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Washington

TRIBE PROECINI

***Proeces* Schoenherr 1838: 1080**

*P. depressus* Wollaston 1873: 616; Buchanan 1947:  
50 (*Eucoptus*)

**Distribution.** Cuba, Montserrat, Nicaragua,  
Panamá, USA (FL)

**Cuba localities.** Ci: Cayamas. Gu: Baracoa,  
Los Llanos. In leaf sheaths of royal palm

**Collections.** Washington

TRIBE RHYNCOLINI

***Stenancylus* Casey 1892: 693**

*S. colomboi* Casey 1892: 693

**Distribution.** Cuba, St. Vincent, Jamaica,  
USA (FL)

**Cuba localities.**

**Collections.**

SUBFAMILY CRYPTORHYNCHINAE

TRIBE CRYPTORHYNCHINI

SUBTRIBE CRYPTORHYNCHINA

***Apteromechus* Faust 1896: 82**

*A. longus* (LeConte) 1876: 248 (*Tyloderma*)

**Distribution.** Cuba, USA (TX-AR-FL)

**Cuba localities.**

**Collections.**

***Cryptorhynchus* Illiger 1807: 330**

*C. albonotatus* Klug 1829: 12

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. apicalis* Klug 1829: 12

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. bisignatus* Suffrian 1876: 149

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. bufonius* Jacquelin du Val 1857: 211; Gundlach  
1891: 319

**Distribution.** Cuba. Endemic

**Cuba localities.** VC: Las Pozas

**Collections.** Gundlach no. 1395

*C. calandroides* Suffrian 1876: 126

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. cordiger* Suffrian 1876: 151

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. curticollis* Suffrian 1876: 158

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. decipiens* Suffrian 1876: 129

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. dimidiatus* Boheman 1837: 156; Jacquelin du  
Val 1857: 214; Gundlach 191: 320

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. discophorus* Suffrian 1876: 156

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. frontalis* Klug 1829: 12; Jacquelin du Val 1857:  
212; Gundlach 1891: 319

**Distribution.** Cuba. Endemic

- Cuba localities.** Gu: Yateras. PR: Rangel  
**Collections.** Gundlach no. 1393
- C. fuscoaeneus* Suffrian 1876: 127  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. gracilirostris* Suffrian 1876: 135  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. griseolus* Suffrian 1876: 133  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. histrionicus* Suffrian 1876: 141  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. inconspicuus* Suffrian 1876: 136  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. lepidus* Suffrian 1876: 131  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. levidipus* Boheman 1837: 75; Jacquelin du Val  
 1857: 210; Gundlach 1891: 318  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 120
- C. multituberculatus* Suffrian 1876: 148  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. muticus* Suffrian 1876: 162  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. nigritellus* Suffrian 1876: 160  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. palmicola* Suffrian 1876: 164  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. pectinatus* Suffrian 1876: 159  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. peregrinus* Suffrian 1876: 167  
**Distribution.** Cuba. Endemic  
**Cuba localities.**
- Collections.**
- C. pilosus* Suffrian 1876: 130  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. plagiellus* Suffrian 1876: 155  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. posticatus* Suffrian 1876: 144  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. pulchellus* Suffrian 1876: 157  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. rarus* Boheman 1844: 347; Jacquelin du Val  
 1857: 213; Gundlach 1891: 320  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. salebrosus* Suffrian 1876: 161  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. scrofula* Suffrian 1876: 166  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. squamiger* Suffrian 1876: 153  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. stercorarius* Suffrian 1876: 145  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. strigirostris* Suffrian 1876: 152  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- (*C. stultus* (Fabricius) 1787: 107 (*Curculio*))  
**Distribution.** West Indies (where?)  
**Cuba localities.**  
**Collections.**
- C. suberosus* Suffrian 1876: 142  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**
- C. trilineatus* Suffrian 1876: 132  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

*C. variegatus* Suffrian 1876: 147  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

**Discophorellus** Wibmer & O'Brien 1986: 247  
*D. circulus* (Boheman) 1837: 64  
**Distribution.** Cuba?, South America  
**Cuba localities.**  
**Collections.**

**Macromerus** Schönherr 1825: column 585  
*M. clavipes* Boheman 1837: 185; Jacquelin du Val 1857: 214; Gundlach 1891: 321  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Monte Libana  
**Collections.** Gundlach no. 1323

**Neoulosomus** O'Brien and Wibmer 1982: 143  
*N. furo* (Suffrian) 1872: 193 (*Ulosomus*); Gundlach 1891: 310  
**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Rangel  
**Collections.** Gundlach no. 1382  
*N. immundus* (Boheman) 1837: 317 (*Ulosomus*); Jacquelin du Val 1857: 217; Gundlach 1891: 310  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 790  
*N. laticaudis* (Suffrian) 1872: 196 (*Ulosomus*); Gundlach 1891: 310  
**Distribution.** Cuba, Hispaniola, USA (FL)  
**Cuba localities.** Ci: Cienfuegos  
**Collections.** Gundlach no. 1923  
*N. pallidicornis* (Chevrolat) 1880: 236  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

**Phyrdenus** LeConte 1876: 249  
*P. divergens* (Germar) 1824: 282 (*Cryptorhynchus*)  
**Distribution.** Cuba, México to South America, USA (FL-TX-DC)  
**Cuba localities.**  
**Collections.**  
*P. mariceus* (Germar) 1824: 281 (*Cryptorhynchus*)  
**Distribution.** Cuba, México to South America, USA (FL, AZ)  
**Cuba localities.**  
**Collections.**

**Riehlia** Hustache 1936: 213  
*R. grisescens* Hustache 1936: 213

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**

**Staseas** Champion 1905: 530

*S. difficilis* (Klug) 1829: 12 (*Cryptorhynchus*); Jacquelin du Val 1857: 213; Gundlach 1891: 320  
**Distribution.** Cuba, México to South America  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 49

**Tyloderma** Say 1831: 19

*T. aeneotinctum* Champion 1905: 528  
**Distribution.** Cuba, México to Panamá, USA (FL)  
**Cuba localities.**  
**Collections.**  
*T. circumcaribbeum* Wibmer 1981: 43  
**Distribution.** Cuba, México to Panamá, USA (FL)  
**Cuba localities.** Ci: Soledad  
**Collections.** Cambridge  
*T. fulvicornis* Suffrian 1872: 192 (*Analcis*); Gundlach 1891: 309  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 3651

SUBTRIBE TYLODINA

**Acalles** Schönherr 1825: column 586

*A. apicalis* Boheman 1837: 326; Jacquelin du Val 1857: 221; Gundlach 1891: 305  
**Distribution.** Cuba, Bahamas, Jamaica  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 114  
*A. brunneus* Suffrian 1872: 186; Gundlach 1891: 308  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*A. frontalis* Suffrian 1872: 188; Gundlach 1891: 309  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Yateras  
**Collections.** Gundlach no. 1397  
*A. interruptus* Suffrian 1872: 185; Gundlach 1891: 308  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 617  
*A. lateritius* Suffrian 1872: 177; Gundlach 1891: 306  
**Distribution.** Cuba. Endemic



- Cuba localities.**  
**Collections.**  
*A. miserabilis* Suffrian 1872: 178; Gundlach 1891: 306  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1924  
*A. plebejus* Suffrian 1872: 179; Gundlach 1891: 306  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1925  
*A. ptochoides* Suffrian 1872: 181; Gundlach 1891: 306  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 1926  
*A. squamiger* Suffrian 1872: 190; Gundlach 1891: 309  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Gundlach no. 1928  
*A. stipulosus* Suffrian 1872: 176; Gundlach 1891: 305  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas. SS: Trinidad  
**Collections.** Gundlach no. 299  
*A. sulcifrons* Suffrian 1872: 182; Gundlach 1891: 307 (*A. suleifrons*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 1927  
*A. terrosus* Suffrian 1872: 175; Gundlach 1891: 305  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cárdenas  
**Collections.** Gundlach no. 730
- Eusepeus* Schönherr 1844: 429**  
*E. erinacellus* Chevrolat 1880: 151  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. porcellus* Boheman 1844: 430; Jacquelin du Val 1857: 221; Gundlach 1891: 311 (*E. porullus*)  
**Distribution.** Cuba, Jamaica to Martinique, México to Panamá, USA (FL)  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 744  
*E. postfasciatus* (Fairmaire) 1849: 513 (*Cryptorhynchus*). The West Indian sweet potato weevil  
**Distribution.** Cuba (introduced), throughout the West Indies, USA (CA); native to Old World  
**Cuba localities.**  
**Collections.**
- Faustinus* Berg 1898: 18**  
*F. cubae* (Boheman) 1844: 342; (*Cryptorhynchus*); Jacquelin du Val 1857: 212  
**Distribution.** Cuba, South America, USA (FL)  
**Cuba localities.**  
**Collections.**
- Gerstaeckeria* Champion 1905: 471**  
*G. cubaecola* Fisher 1928: 7  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Santiago (t.l.). Feeds on *Opuntia* cactus  
**Collections.** Washington (type)
- Lembodes* Schönherr 1844: 436**  
*L. solitarius* Boheman 1844: 437  
**Distribution.** Cuba, Jamaica, Hispaniola, St. Thomas, Guadeloupe, USA (FL)  
**Cuba localities.**  
**Collections.**
- Pseudomus* Schönherr 1837: 263**  
*P. albosparsus* Chevrolat 1880: 279  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*P. apiatius* Boheman 1844: 389; Jacquelin du Val 1857: 216; Gundlach 1891: 312  
**Distribution.** Cuba. Endemic  
**Cuba localities.** M: Cardenas; Fermina  
**Collections.** Gundlach no. 226  
*P. bimaculatus* Suffrian 1872: 206; Gundlach 1891: 314  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cienfuegos  
**Collections.** Gundlach no. 1646  
*P. bohemani* Kuschel 1955: 287; replacement name  
*P. notatus* Boheman 1837: 266, not Klug 1829  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*P. cacuminatus* Boheman 1844: 390; Gundlach 1891: 313 (*P. caurminatus*)  
*P. acuminatus* Jacquelin du Val 1857: 216  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Widespread  
**Collections.** Gundlach no. 662  
*P. deltoides* Buchanan 1947: 49  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Mina Carlota; Topes de Collantes (t.l.)  
**Collections.** Washington (type)

*P. fistulosus* (Klug) 1829: 12 (*Cleogonus*); Jacquelin du Val 1857: 217; Gundlach 1891: 313

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread

**Collections.** Gundlach no. 170

*P. maximus* Suffrian 1872: 204; Gundlach 1891: 314

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu Baracoa.; Mata. SC: Santiago de Cuba

**Collections.** Gundlach no. 1388

*P. notatus* (Klug) 1829: 13 (*Cleogonus*); Jacquelin du Val 1857: 215; Gundlach 1891: 312

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 87

*P. rugifer* Suffrian 1872: 201; Gundlach 1891: 313

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo

**Collections.** Gundlach no. 1403

*P. trisignatus* (Klug) 1829: 12 (*Cleogonus*)

*Cleogonus viduus* Boheman 1837: 265; Jacquelin du Val 1857: 215; Gundlach 1891: 311 (*P. viduus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Fermina; Guamutas

**Collections.** Gundlach no. 14

#### ***Tylodes* Sahlberg 1823: 49**

*T. bullatus* (Boheman) 1837: 340 (*Acalles*); Jacquelin du Val 1857: 218; Gundlach 1891: 307

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 163

*T. laticollis* (Boheman) 1837: 341 (*Acalles*); Jacquelin du Val 1857: 218; Gundlach 1891: 307

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 1240

*T. magnicollis* (Boheman) 1837: 342 (*Acalles*); Jacquelin du Val 1857: 219; Gundlach 1891: 308

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 1636

*T. quadriplicatus* Jacquelin du Val 1857: 219

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### TRIBE GASTEROCERCINI

#### ***Cophes* Champion 1905: 515**

*C. oblongus* (LeConte) 1876: 256 (*Cryptorhynchus*)

**Distribution.** Cuba, USA (TX-SC-FL)

**Cuba localities.**

**Collections.**

#### SUBFAMILY CYCLOMINAE

##### TRIBE RHYTIRININI

##### SUBTRIBE LISTRODERINA

#### ***Listronotus* Jekel 1865: 566**

*L. nigropunctatus* (Suffrian) 1870: 228 (*Listroderes*); Gundlach 1891: 299

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Guamutas

**Collections.** Gundlach no. 929

#### SUBFAMILY ENTIMINAE

##### TRIBE ANYPOTACTINI

#### ***Polydacrys* Schönherr 1834: 130**

*P. scansorius* (Klug) 1829: 13 (*Sitona*)

*P. modestus* Gyllenhal 1834: 131; Jacquelin du Val 1857: 179; Gundlach 1891: 323

**Distribution.** Cuba, Dominica, Guadeloupe

**Cuba localities.** Widespread

**Collections.** Gundlach no. 1178

*P. sulcifrons* Zayas 1988: 170

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

##### TRIBE EMBRITHINI

#### ***Peribrotus* Gerstaecker 1871: 72**

*P. circularis* Zayas 1988: 176

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz (t.l.)

**Collections.** Zayas (type)

##### TRIBE EUSTYLINI

#### ***Diaprepes* Schönherr 1823: column 1140**

*D. famelicus* (Olivier) 1790: 544 (*Curculio*); Leng and Mutchler 1914: 469

*D. f. elegantulus* Gyllenhal 1834: 13; subspecies of Cuba and Martinique

**Distribution.** Cuba, Lesser Antilles

**Cuba localities.**

**Collections.**

*D. revestitus* Chevrolat 1880: 165

**Distribution.** Cuba. Endemic

- Cuba localities.**  
**Collections.**  
*D. sommeri* (Rosenschoeld) 1840: 339 (*Exophthalmus*); Jacquelin du Val 1857: 180; Gundlach 1891: 324  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ha: Cojimar  
**Collections.** Gundlach no. 1245
- Exophthalmus* Schönherr 1823: c.1140**  
*E. azureus* Zayas 1988: 188  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Buenos Aires (t.l.)  
**Collections.** Zayas (type)  
*E. bayamensis* Zayas 1988: 177  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: Bayamesa (t.l.)  
**Collections.** Zayas (type)  
*E. cristalensis* Zayas 1988: 181  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)  
*E. griseus* Zayas 1988: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Zayas (type)  
*E. gundlachi* Chevrolat 1880: 165  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. humeridens* (Marshall) 1934: 623 (*Prepodes*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** London (type)  
*E. hybridus* (Chevrolat) 1858: 210 (*Praepodes*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Cuba  
**Collections.**  
*E. lepidus* (Chevrolat) 1858: 210 (*Praepodes*)  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. maculosus* Chevrolat 1879: XCVIII  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. mixtus* Chevrolat 1880: 165  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. multipunctatus* Zayas 1988: 184  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: La Siberia (t.l.)  
**Collections.** Zayas (type)
- E. pictus* (Guérin-Méneville) 1847: 9 (*Prepodes*); Jacquelin du Val 1857: 181; Gundlach 1891: 324  
*E. p. fulvovirgatus* (Marshall) 1934: 625; Cuba, endemic subspecies; Sierra Maestra (t.l.). London (type)  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. pseudohybridus* Zayas 1988: 183  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Gran Piedra (t.l.)  
**Collections.** Zayas (type)  
*E. quadriguttatus* Zayas 1988: 188  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Pico Turquino (t.l.)  
**Collections.** Zayas (type)  
*E. scalaris* (Boheman) 1840: 349 (*Prepodes*); Jacquelin du Val 1857: 181; Gundlach 1891: 325  
**Distribution.** Cuba, Costa Rica  
**Cuba localities.** M: Cárdenas. A pest of citrus crops (Vázquez et al. 1992: 45)  
**Collections.** Gundlach no. 202  
*E. siberianus* Zayas 1988: 178  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: La Siberia (t.l.)  
**Collections.** Zayas (type)  
*E. sparsimviridis* Zayas 1988: 185  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Ho: Sierra Cristal (t.l.)  
**Collections.** Zayas (type)  
(*E. sphacelatus* (Olivier) 1807: 319 (*Curculio*))  
**Distribution.** Jamaica to Puerto Rico  
**Cuba localities.**  
**Collections.**  
*E. sulphuratus* Chevrolat 1879: XCVII  
**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.**  
*E. viridis* Zayas 1988: 187  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gu: Cuchillas de Toa (t.l.)  
**Collections.** Zayas (type)  
*E. zayasi* Zayas 1988: 179  
**Distribution.** Cuba. Endemic  
**Cuba localities.** Gr: La Siberia (t.l.)  
**Collections.** Zayas (type)
- Pseudeustylus* Champion 1911: 296**  
*P. planicollis* Marshall 1934: 626  
**Distribution.** Cuba. Endemic  
**Cuba localities.** SC: Sierra Maestra (t.l.)  
**Collections.**

## TRIBE GEONEMINI

**Compsonomus** **Jekel 1875: 138**

*C. alternans* (Klug) 1829: 13 (*Geonemus*); Jacquelin du Val 1857: 196; Gundlach 1891: 333; Buchanan 1947: 44 (*Eugeonemus*)

*Geonemus alternans* (Boheman) 1834: 293, not Klug 1829

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba" as t.l.

**Collections.** Gundlach no. 1263

*C. aureosquamosus* (Jacquein du Val) 1857: 195 (*Geonemus*); Gundlach 1891: 332; Buchanan 1947: 44. (*Eugeonemus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba" as t.l.

**Collections.** Gundlach no. 354

*C. irregularis* (Perroud) 1853: 518 (*Geonemus*); Buchanan 1947: 44 (*Eugeonemus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba" as t.l.

**Collections.**

*C. robustus* (Perroud) 1853: 515 (*Geonemus*); Buchanan 1947: 44 (*Eugeonemus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** "Cuba" as t.l.

**Collections.**

**Doleropus** **Buchanan 1947: 46.** Endemic genus

*D. apterus* Buchanan 1947: 47

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Guane (t.l.). Found on tobacco and squash

**Collections.** Washington (type)

**Ischionoplus** **Chevrolat 1878: IX**

*I. niveoguttatus* Chevrolat 1878: X

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

**Lachnopus** **Schoenherr 1840: 380**

*L. acunae* Zayas 1988: 160

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** Zayas (type)

*L. acuticollis* (Gyllenhal) 1834: 37 (*Ptilopus*); Jacquelin du Val 1857: 189; Gundlach 1891: 329

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cárdenas

**Collections.** Gundlach no. 112

*L. alboguttatus* Marshall 1934: 622

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Sierra Maestra (t.l.)

**Collections.** London (type)

*L. argus* (Reiche) 1840: 275 (*Ptilopus*); Jacquelin du Val 1857: 184; Gundlach 1891: 327

**Distribution.** Cuba, USA (FL)

**Cuba localities.** SC: Santiago de Cuba

**Collections.** Gundlach no. 1337

*L. aurifer* (Drury) 1773: 68 (*Curculio*)

**Distribution.** Cuba, Jamaica

**Cuba localities.**

**Collections.**

*L. bivirgatus* Marshall 1934: 621

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** London (type)

*L. bruneri* Marshall 1933: 59

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Buenos Aires (t.l.)

**Collections.** London (type). Washington

*L. buchanani* Marshall 1933: 59

**Distribution.** Cuba. Endemic

**Cuba localities.** SS: Trinidad Mts., Buenos Aires (t.l.); San Blas

**Collections.** London. Washington

*L. cabocruz* Zayas 1988: 162

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Cabo Cruz (t.l.). Ha: Ciudadamar. SC: Daiquiri; Pico Turquino

**Collections.** Zayas (type)

*L. cristalensis* Zayas 1988: 161

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal (t.l.)

**Collections.** Zayas (type)

(*L. distortus* Gyllenhal 1840: 393

**Distribution.** West Indies (where?)

**Cuba localities.**

**Collections.**

*L. festivus* Zayas 1988: 159

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: Pico Turquino (t.l.)

**Collections.** Zayas (type)

*L. floridanus* Horn 1876: 101

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

*L. guerinii* Jacquelin du Val 1857: 185; Gundlach 1891: 327

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*L. guttatupunctatus* Zayas 1988: 155

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Hacienda de San Carlos (t.l.)



- Collections.** Zayas (type)
- L. hispidus* (Gyllenhal) 1834: 34 (*Ptilopus*); Jacquelin du Val 1857: 188; Gundlach 1891: 329
- Distribution.** Cuba, USA (FL)
- Cuba localities.** Gr: Bayamo. IJ: Nueva Gerona. M: Cárdenas. A pest of citrus crops (Vázquez et al. 1992: 45)
- Collections.** Gundlach no. 213. Pittsburgh
- L. leonora* Zayas 1988: 165 (*Lachnopus*)
- Distribution.** Cuba. Endemic
- Cuba localities.** Gu: Baracoa, Farola (t.l.); in pinelands
- Collections.** Zayas (type)
- L. lineatoguttatus* Perroud 1853: 468
- Lachnopus seriepunctatus* (Jacquelin du Val) 1857: 187; Gundlach 1891: 328
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.** Gundlach no. 205 1/2
- L. luctuosus* (Klug) 1829: 13 (*Sitona*); Jacquelin du Val 1857: 183 (*Prepodes*); Gundlach 1891: 327
- Distribution.** Cuba. Endemic
- Cuba localities.** ? Guamacaro
- Collections.** Gundlach no. 117
- L. magdae* Zayas 1988: 164
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Pico Turquino (t.l.)
- Collections.** Zayas (type)
- L. mayari* Zayas 1988: 156
- Distribution.** Cuba. Endemic
- Cuba localities.** Ho: Mayarí (t.l.); in pines
- Collections.** Zayas (type)
- L. multipunctatus* Jacquelin du Val 1857: 190; Gundlach 1891: 330
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- L. niveoirroratus* Jacquelin du Val 1857: 189; Gundlach 1891: 330
- Distribution.** Cuba. Endemic
- Cuba localities.** M: Fundador Canímar
- Collections.** Gundlach no. 207
- L. oteroi* Marshall 1933: 60
- Distribution.** Cuba. Endemic
- Cuba localities.** SS: Buenos Aires (t.l.)
- Collections.** London (type). Washington
- L. pollinarius* Gyllenhal 1840: 387; Jacquelin du Val 1857: 191; Gundlach 1891: 330
- Distribution.** Cuba. Endemic
- Cuba localities.** Ci: Cienfuegos
- Collections.** Gundlach no. 1330
- L. porcus* Zayas 1988: 158
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Daiquirí (t.l.)
- Collections.** Zayas (type)
- L. siboney* Zayas 1988: 166
- Distribution.** Cuba. Endemic
- Cuba localities.** SC: Juraguá; Siboney (t.l.)
- Collections.** Zayas (type)
- L. sparsimguttatus* Perroud 1853: 481
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- L. splendidus* Boheman 1840: 382; Jacquelin du Val 1857: 188; Gundlach 1891: 328
- Distribution.** Cuba. Endemic
- Cuba localities.** Gr: Bayamo
- Collections.** Gundlach no. 206
- L. sublineatus* Perroud 1853: 478; Jacquelin du Val 1857: 192; Gundlach 1891: 330
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- L. vittatus* (Klug) 1829: 13 (*Ptilopus*); Jacquelin du Val 1857: 186; Gundlach 1891: 328
- Distribution.** Cuba. Endemic
- Cuba localities.** Widespread
- Collections.** Gundlach no. 205
- Tetrabothynus* Labram and Imhoff [1852]: nr. 68**
- T. spectabilis* (Klug) 1829: 13 (*Prepodes*); Jacquelin du Val 1857: 183; Gundlach 1891: 326 (*Prepodes sputabilis*)
- Distribution.** Cuba. Endemic
- Cuba localities.** M: Cárdenas
- Collections.** Gundlach no. 204
- T. tripunctata* Zayas 1988: 154
- Distribution.** Cuba. Endemic
- Cuba localities.** Ho: Sierra Cristal (t.l.)
- Collections.** Zayas (type)
- Tropirhinus* Schönherr 1823: c.1140**
- T. elegans* (Guérin-Méneville) 1847: 10 (*Prepodes*); Jacquelin du Val 1857: 182; Gundlach 1891: 326
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**
- T. tredecimmaculatus* (Guérin-Méneville) 1847: 10 (*Prepodes*); Jacquelin du Val 1857: 182; Gundlach 1891: 325
- Distribution.** Cuba. Endemic
- Cuba localities.**
- Collections.**

## TRIBE LORDOPINI

***Nesolordops* Marshall 1934: 627.** Endemic genus

*N. myersi* Marshall 1934: 627

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Soledad (t.l.). On *Panicum maximum*

**Collections.** London (type)

## TRIBE NAUPACTINI

***Artipus* Sahlberg 1823: 22**

*A. minima* Zayas 1988: 153

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa; Imías (t.l.)

**Collections.** Zayas (type)

*A. unguiculatus* Chevrolat 1880: 254

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

***Pantomorus* Schoenherr 1840: 942**

(*Pantomorus cervinus* (Boheman) 1847: 17)

*P. godmanni* (Crotch) 1867: 389 (*Asynonychus*)

**Distribution.** West Indies (where?), introduced from South America, North to South America, Old World

**Cuba localities.**

## TRIBE TANYMECINI

## SUBTRIBE TANYMECINA

***Pachnaeus* Schönherr 1826: 121**

*P. alayoi* Lopez Castilla 1992: 2

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Guane (t.l.)

**Collections.** Havana

*P. azurescens* Gyllenhal 1834: 58; Jacquelin du Val 1857: 193; Gundlach 1891: 331 (*Pachnacus*)

*P. a. griseus* Gyllenhal 1834: 59

**Distribution.** Cuba. Endemic

**Cuba localities.** Widespread. A pest of citrus crops (Vázquez et al. 1992: 45)

**Collections.** Gundlach no. 1187

*P. costatus* Perroud 1853: 495

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*P. juvenalis* Zayas 1988: 169

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ (t.l.)

**Collections.** Zayas (type)

*P. litus* (Germar) 1824: 431 (*Cyphus*); Jacquelin du Val 1857: 193; Gundlach 1891: 331 (*Pachnacus*). The citrus root weevil

**Distribution.** Cuba (widespread), Jamaica, México, USA (FL)

**Cuba localities.** IJ: Nueva Gerona. A widespread pest of citrus crops and of cassava in Matanzas and elsewhere (Vázquez et al. 1992: 45)

**Collections.** Gundlach no. 1699. Pittsburgh

*P. pater* Zayas 1988: 167

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Mayarí (t.l.). SC: Juraguá

**Collections.** Zayas (type)

*P. psittacus* (Olivier) 1807: 339 (*Curculio*)

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** IJ

**Collections.**

*P. rosadoneto* Lopez Castilla 1992: 4

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Baracoa (t.l.)

**Collections.** Havana (type)

***Pandeleteius* Schönherr 1834: 129**

*P. maculatus* Zayas 1988: 172

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Ciénaga de Zapata (t.l.)

**Collections.** Zayas (type)

*P. mayari* Zayas 1988: 172

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Altiplano de Mayarí (t.l.)

**Collections.** Zayas (type)

*P. pinarensis* Zayas 1988: 171

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Pinares del Yunque de Baracoa (t.l.)

**Collections.** Zayas (type)

*P. sulphurosus* Zayas 1988: 175

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Imías (t.l.)

**Collections.** Zayas (type)

***Scalaventer* Howden 1970: 3**

*S. cubensis* Howden 1970: 31

**Distribution.** Cuba. Endemic

**Cuba localities.** SC: coast below Pico Turquino (t.l.)

**Collections.** Cambridge (type)

*S. subtropicus* (Fall) 1907: 263 (*Pandeletejus*); Howden 1971: 21

**Distribution.** Cuba, USA (FL)

**Cuba localities.** PR: Viñales

**Collections.** Cambridge

## SUBFAMILY HYPERINAE

## TRIBE CEPURINI

***Cephalalges* Schönherr 1840: 467**

*C. cubae* (Chevrolat) 1838: 281 (*Phytonomus*);  
Jacquelin du Val 1857: 194; Gundlach 1891:  
332 (*Hypera*)

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 224

## SUBFAMILY LIXINAE

## TRIBE LIXINI

***Lixus* Fabricius 1801: 498**

*L. merula* Suffrian 1871: 168; Gundlach 1891: 296

**Distribution.** Cuba, USA (MA-FL-TX)

**Cuba localities.**

**Collections.**

*L. tardus* Suffrian 1871: 166; Gundlach 1891: 296

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cardenas; Cienaga de  
Zapata

**Collections.** Gundlach no. 159

## SUBFAMILY MOLYTINAE

## TRIBE ANCHONINI

***Anchonus* Schönherr 1825: column 584**

*A. aspericollis* Suffrian 1871: 176; Gundlach 1891:  
298

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 1199

*A. bicornis* Suffrian 1871: 179; Gundlach 1891: 298

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.**

*A. incrassatus* Suffrian 1871: 175; Gundlach 1891:  
298 (*A. incrusatus*)

**Distribution.** Cuba. Endemic

**Cuba localities.** IJ

**Collections.** Gundlach no. 1236

*A. rusticus* Suffrian 1871: 177; Gundlach 1891: 299

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 188

*A. suillus* (Fabricius) 1792: 402 (*Curculio*);  
Jacquelin du Val 1857: 203; Gundlach 1891:  
298; Buchanan 1947: 48

**Distribution.** Cuba, Bahamas, Hispaniola,  
Puerto Rico, Guadeloupe, St. Barthélemy, USA  
(FL)

**Cuba localities.** Ci: Cienfuegos. Ha: Santiago  
de las Vegas (in banana corms)

**Collections.** Gundlach no. 1177. Washington

## TRIBE CLEOGONINI

***Cleogonus* Schönherr 1825: column 86**

*C. grossulus* Suffrian 1872: 170; Gundlach 1891:  
303 (*Cleogonus*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1922

***Rhyssomatus* Schönherr 1837: 364**

*R. crispicollis* Boheman 1837: 367; Jacquelin du  
Val 1857: 222; Gundlach 1891: 304

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 869

*R. ebeninus* (Boheman) 1837: 391 (*Chalcodermus*);  
Jacquelin du Val 1857: 222; Gundlach 1891:  
304

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Gr: Bayamo. M: Cienaga de  
Zapata

**Collections.** Gundlach no. 728

## TRIBE CONOTRACHELINI

***Conotrachelus* Dejean 1835: 296**

*C. albicans* Suffrian 1872: 168; Gundlach 1891: 302

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** SC: Santiago de Cuba

**Collections.** Gundlach no. 810

*C. cariniscutum* Marshall 1934: 630

**Distribution.** Cuba, Hispaniola

**Cuba localities.** Ci: Soledad (t.l.)

**Collections.** London (type)

*C. coronatus* LeConte 1878: 430

**Distribution.** Cuba, USA (FL, AR, SC)

**Cuba localities.**

**Collections.**

*C. diaconitus* (Klug) 1829: 12 (*Balanius*); Jacquelin  
du Val 1857: 223; Gundlach 1891: 303

**Distribution.** Cuba, México to South America

**Cuba localities.**

**Collections.**

*C. lassulus* Boheman 1837: 409; Jacquelin du Val  
1857: 224; Gundlach 1891: 303

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. lineola* Suffrian 1872: 167; Gundlach 1891: 302

**Distribution.** Cuba. Endemic

**Cuba localities.** Gr: Bayamo. M: Cienaga de Zapata

**Collections.** Gundlach no. 1008

*C. presbyta* Suffrian 1872: 165; Gundlach 1891: 302

**Distribution.** Cuba. Endemic

**Cuba localities.** M: Cienaga de Zapata. SS: Trinidad

**Collections.** Gundlach no. 1003

*C. sapotae* Barber 1924: 184

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

*C. serpentinus* (Klug) 1829: 12 (*Balanius*); Jacquelin du Val 1857: 224; Gundlach 1891: 301

**Distribution.** Cuba, Jamaica, Hispaniola, Bahamas, México to Panamá, USA (FL, GA)

**Cuba localities.** M: Cardenas; Cienaga de Zapata; Zarabanda

**Collections.** Gundlach no. 165

*C. verticalis* (Klug) 1829: 12 (*Balanius*); Jacquelin du Val 1857: 224; Gundlach 1891: 301

**Distribution.** Cuba, México to South America

**Cuba localities.**

**Collections.** Gundlach no. 1921

#### TRIBE CYCLOTERRINI

#### *Gononotus* LeConte 1876: 336

*G. angulicollis* (Suffrian) 1871: 181 (*Anchonus*); Gundlach 1891: 299

**Distribution.** Cuba, Puerto Rico, México, USA (FL)

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 1198

#### TRIBE HYLOBIINI SUBTRIBE HYLOBIINA

#### *Heilipus* Germar 1824: 399

*H. draco* (Fabricius) 1801: 461 (*Rhynchaenus*); Gundlach 1891: 294

**Distribution.** Cuba, México to Panamá, South America

**Cuba localities.** Widespread

**Collections.** Gundlach no. 119

#### *Marshallius* Kuschel 1955: 291,k

*M. guttatus* (Boheman) 1843: 52 (*Heilipus*); Jacquelin du Val 1857: 197; Gundlach 1891: 294

**Distribution.** Cuba, Hispaniola, México to Panamá, South America

**Cuba localities.** M: Cárdenas

**Collections.** Gundlach no. 9

*M. rusticus* (Klug) 1829: 13; Gundlach 1891: 295 (*Heilipus*)

**Distribution.** Cuba, México, South America

**Cuba localities.** Widespread; under bark of dead trees

**Collections.** Gundlach no. 8

#### TRIBE LYMANTINI

#### *Caecossoenus* Gilbert 1955: 193

*C. decuanus* Osella 1973: 373 (*Caecocossoenus lapsus*), 1976: 674; 1977b: 399; 1980: 366; Howden 1992: 18

**Distribution.** Cuba. Endemic

**Cuba localities.** PR: Rio Cuyaguateteje, Dolina de Cueva de la Pluma (t.l.); an eyeless soil inhabitant

**Collections.** Bucharest (type?). Verona

#### *Decuanellus* Osella 1977b: 399

*D. vinai* Osella 1977b: 399; Howden 1992: 32

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Rio Jojo (t.l.); an eyeless soil inhabitant

**Collections.** Bucharest (type)? Verona

#### *Dioptrophorus* Faust 1892: 35

*D. sp.* Champion 1902: 92

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.**

#### *Pseudoalaochybites* Osella 1980: 369

*P. negreai* (Osella) 1977b: 397 (*Caecocossoenus*); Osella 1980: 372 (*Alaochybites*); Howden 1992: 29

**Distribution.** Cuba. Endemic; eyeless soil inhabitant

**Cuba localities.** SC: Cablesada de Rio Baconao (t.l.)

**Collections.** Bucharest (type)? Verona

#### *Pseudocaecossoenus* Osella 1977a: 393

*P. zayasi* Osella 1977a: 393, 1976: 674, 1977b: 399, 1980: 416; Howden 1992: 22

**Distribution.** Cuba. Endemic

**Cuba localities.** Ho: Sierra Cristal (t.l.); an eyeless soil inhabitant

**Collections.** Verona (type). Zayas



## TRIBE STERNECHINI

***Chalcodermus* Dejean 1835: 297**

*C. pupillatus* (Suffrian) 1872: 173 (*Rhyssonatus*);  
Gundlach 1891: 304 (*Rhyssomatus*)

**Distribution.** Cuba, Puerto Rico

**Cuba localities.** Ci: Cienfuegos

**Collections.** Gundlach no. 1180

***Sternechus* Schönherr 1826: 251**

*S. insularis* Boheman 1843: 356; Jacquelin du Val  
1857: 202; Gundlach 1891: 295 (*Sternuchus*);  
315

**Distribution.** Cuba. Endemic

**Cuba localities.** Ca: Manzanillo. M: Cárdenas

**Collections.** Gundlach no. 528; no. 1182

*S. pectoralis* Suffrian 1872: 156; Gundlach 1891:  
296 (*Sternuchus*)

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Gundlach no. 1637

## TRIBE TRYPETIDINI

***Nanus* Schönherr 1844: 89**

*N. uniformis* Boheman 1844: 90; Jacquelin du Val  
1857: 204; Gundlach 1891: 314

**Distribution.** Cuba, Hispaniola, Puerto Rico,  
Guadeloupe, México to Panamá, USA (FL)

**Cuba localities.** Widespread

**Collections.** Gundlach no. 230

## SUBFAMILY SCOLYTINAE

The bark and ambrosia beetles

Reviewed by D. Bright, January, 2002.

Members of this subfamily usually bore galleries under the bark of trees and shrubs in the cambium layer. Synonyms which have not been used in a Cuban context are not given. See Wood and Bright (1992) for these and other details and for host plants. Few Cuban host records are available. Bright (1985) is a summary of West Indian species and literature. Atkinson and Peck (1994) present details for these beetles in the southern four subtropical counties of Florida. Wood (1979) summarizes the fauna of the USA.

## TRIBE HYLESININI

## SUBTRIBE PHRIXOSOMINA

***Phrixosoma* Blandford 1897: 148**

*P. parva* Blackman 1943b: 393

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

## SUBTRIBE BOTHROSTERNINA

***Cnesinus* LeConte 1868: 171**

*C. cubensis* Blackman 1943b: 371

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

***Pagiocerus* Eichhoff 1868: 148**

*P. frontalis* (Fabricius) 1801: 389 (*Bostrichus*)

*P. rimosus* Eichhoff 1868b: 148 (Cuba t.l., type  
lost)

**Distribution.** Cuba (introduced), Guadeloupe,  
México to Panamá to Brazil, USA (NC, SC, GA,  
FL, TX); economic pest of avocado and stored  
grain

**Cuba localities.**

**Collections.**

## SUBTRIBE PHLOEOTRIBINA

***Phloeotribus* Latreille 1804: 108**

*P. setulosus* Eichhoff 1868: 14

*P. atlanticus* Schedl 1951: 81 (Cuba t.l., type in  
Vienna)

**Distribution.** Cuba, Jamaica, México to  
Panamá to Brazil

**Cuba localities.**

**Collections.**

## SUBTRIBE PHLOEOSININA

***Chramesus* LeConte 1868: 168**

*C. opacicollis* Eggers 1940: 124

**Distribution.** Cuba, Jamaica, Dominica,  
Grenada, Guadeloupe

**Cuba localities.**

**Collections.**

*C. robustus* Schedl 1948: 264

**Distribution.** Cuba. Endemic

**Cuba localities.**

**Collections.** Vienna (type)

***Cladoctonus* Strohmeier 1911: 17**

*C. cubensis* (Wood) 1961: 105 (*Hopliophthorus*)

**Distribution.** Cuba, México

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

***Dendrosinus* Chapuis 1869: 236**

(*D. bourreriae* Schwarz 1920: 225)

**Distribution.** Bahamas, Jamaica, Puerto Rico, USA (FL)  
**Cuba localities.**  
**Collections.**

## SUBTRIBE HYPOBORINA

***Chaetophloeus* LeConte 1876: 382**

*C. cubensis* Bright 1981: 159

**Distribution.** Cuba. Endemic  
**Cuba localities.** SS: Mapos (t.l.)  
**Collections.** Ottawa (type)

*C. insularis* (Blackman) 1940: 400 (*Renocis*)

**Distribution.** Cuba, Bahamas, Virgin Islands, USA (FL)  
**Cuba localities.**  
**Collections.**

***Liparthrum* Wollaston 1854: 294**

*L. necopinus* (Bright) 1982: 166 (*Trypanophellos*)

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)

TRIBE SCOLYTINI  
 SUBTRIBE SCOLYTINA

***Cnemonyx* Eichhoff 1868: 150**

*C. ficus* (Schwarz) 1896: 44 (*Loganicus*)

**Distribution.** Cuba, Bahamas, Virgin Islands, USA (FL); host tree, *Hippomane mancinella*; see Atkinson, 1993, Coleop. Bull. 47: 287-288  
**Cuba localities.**  
**Collections.**

*C. vagabundus* (Wood) 1961: 89 (*Loganius*)

**Distribution.** Hispaniola, Puerto Rico, Virgin Islands, Panamá, USA (FL)  
**Cuba localities.**  
**Collections.**

***Scolytopsis* Blandford 1896: 123**

*S. puncticollis* Blandford 1896: 123

*S. cubensis* Wood 1967: 123 (Ci: Cayamas, t.l.; Washington, type)

**Distribution.** Cuba, México to Argentina, (USA; FL?); in *Conocarpus erecta* (buttonwood) and *Laguncularia racemosa* (white mangrove)  
**Cuba localities.** CA: Baraguá  
**Collections.** Ottawa

***Scolytus* Geoffroy 1762: 309**

*S. dimidiatus* Chapuis 1869: 57

**Distribution.** Cuba, Jamaica, México to Venezuela

**Cuba localities.** Ci: Soledad. SC: Loma del Gato

**Collections.** Ottawa

## SUBTRIBE CTENOPHORINA

***Pycnarthrum* Eichhoff 1878: 104**

*P. hispidium* (Farrari) 1867: 19

*P. gracile* Eichhoff 1878: 104; Cuba (t.l.), Washington (type)

**Distribution.** Cuba (t.l.), Jamaica, Puerto Rico, Virgin Islands, Guyana, Venezuela, México to Panamá, USA (TX, FL)

**Cuba localities.**

**Collections.** Type in Vienna, lost

***Scolytodes* Ferrari 1867: 77**

*S. cubensis* (Schedl) 1972: 56 (*Hexacolus*)

**Distribution.** Cuba. Endemic  
**Cuba localities.** PR: Malas (t.l.)  
**Collections.** Vienna (type)

*S. glaber* (Eichhoff) 1868: 400 (*Hexacolus*)

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Brussels (type)

*S. nitidissimus* (Eggers) 1940: 135 (*Hexacolus*)

**Distribution.** Cuba, Guadeloupe  
**Cuba localities.** SC: Gran Piedra. ?Terrazas, in *Cecropia* leaves  
**Collections.** Ottawa.

*S. notatus* (Eggers) 1940: 133

**Distribution.** Cuba, Puerto Rico, Guadeloupe, Dominica  
**Cuba localities.**  
**Collections.**

## SUBTRIBE MICRACINA

***Hylocurus* Eichhoff 1872: 133**

*H. alienus* Eichhoff 1878: 301

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Vienna (type)

*H. cuspidatus* Eggers 1951: 153

**Distribution.** Cuba. Endemic  
**Cuba localities.**  
**Collections.** Vienna (type)

*H. quadrispinosus* Blackman 1928: 191

**Distribution.** Cuba. Endemic  
**Cuba localities.** Ci: Cayamas (t.l.)  
**Collections.** Washington (type)

**Micracis LeConte 1868: 164***M. cubensis* Blackman 1928: 193**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)*M. swaini* Blackman 1920: 32**Distribution.** Cuba, Honduras, México, Canada (ON), USA (TX-NY-FL)**Cuba localities.****Collections.****Pseudothysanoes Blackman 1920: 46***P. insularis* (Blackman) 1943: 359 (*Cryptocleptes*)**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)*P. minor* (Blackman) 1928: 207**Distribution.** Cuba. Endemic**Cuba localities.** Ci: Cayamas (t.l.)**Collections.** Washington (type)*(P. securigerus* (Blackman) 1943: 364)**Distribution.** Hispaniola, Puerto Rico, USA (FL)**Cuba localities.****Collections.**

## SUBTRIBE IPINA

**Ips DeGeer 1775: 190***I. calligraphus* (Germar) 1824: 461 (*Tomicus*)*Ips interstitialis* Eichhoff 1869: 273; Vázquez et al. 1992: 45**Distribution.** Cuba, Bahamas, Dominican Republic, Jamaica, México, Honduras, widespread USA (sw, TX-NY-FL), Canada (PQ)**Cuba localities.** Gu: M: and PR. This species is indicated as a pest of weakened pine trees, and an associate of the pathogenic fungus *Ceratocystis* (Vázquez et al. 1992: 45)**Collections.***I. grandicollis* (Eichhoff) 1868a: 402 (*Tomicus*)**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, México to Nicaragua, widespread USA; an important pest of *Pinus tropicalis***Cuba localities.****Collections.**

## SUBTRIBE DRYOCOETINA

**Cocotrypes Eichhoff 1878: 308***C. advena* Blandford 1849: 100*Thamnurgides cubanus* Eggers 1934: 79 (Sierra Rosario, Cuyajabas, (t.l.); Washington, (type))**Distribution.** Cuba (introduced), USA (FL); native to se Asia**Cuba localities.** SC: Santiago, Roig Botanical Garden**Collections.** Gatineau. Ottawa*C. carpophagus* (Hornung) 1842: 116 (*Bostrichus*)*C. thrinacis* Hopkins 1915: 46 (Isle of Pines (t.l.), Washington (type))*C. bakeri* Hopkins 1915: 46 (Havana (t.l.), Washington (type))*C. anonae* Hopkins 1915: 46 (Cuba (t.l.), Washington (type))**Distribution.** Cuba (introduced), Hispaniola, Jamaica, Puerto Rico, Virgin Islands, Bermuda, Grenada, México to Honduras, USA (DC-FL); native to se Asia; in palm seeds**Cuba localities.** SC**Collections.** Gatineau. Ottawa*C. cyperi* (Beeson) 1929: 230**Distribution.** Jamaica, Puerto Rico, Guadeloupe, México to Honduras, Brazil, USA (LA-FL)**Cuba localities.** SC**Collections.** Gatineau. Ottawa*C. dactyliperda* (Fabricius) 1801: 387 (*Bostrichus*)**Distribution.** Cuba (introduced), Bahamas, Jamaica, Puerto Rico, México to Panamá, USA (CA-FL); circumtropical in seeds of *Phoenix* palms; native to Africa**Cuba localities.****Collections.***C. rhizophorae* (Hopkins) 1915: 48 (*Spermatoplex*)**Distribution.** México, Panamá, Galapagos, USA (FL), Asia; in seeds of red mangrove (Woodruff 1970), and other seeds**Cuba localities.****Collections.***C. robustus* Eichhoff 1878: 313*C. cylindricus* Schedl 1949: 116 (Caicos (t.l.), Vienna (type))**Distribution.** Cuba (introduced), Puerto Rico; native to Old World; in seeds of *Euterpe globosa* palm**Cuba localities.****Collections.****Dendrocranulus Schedl 1938: 165***D. carbonarius* (Ferrari) 1867: 41 (*Xylocleptes*)**Distribution.** Cuba, Jamaica, USA (FL)**Cuba localities.** Ci: Cayamas**Collections.** Washington

## SUBTRIBE CRYPTURGINA

**Crypturgus Erichson 1836: 60***C. alutaceus* Schwarz 1894a: 17**Distribution.** Cuba (t.l.), USA (TX-NJ-FL)**Cuba localities.** "Cuba"; no other data**Collections.** Vienna (type)

## SUBTRIBE XYLEBORINA

**Ambrosiodmus Hopkins 1915: 55***A. devexulus* (Wood) 1978: 398 (*Xyleborus*)**Distribution.** Hispaniola, Puerto Rico, USA (FL)**Cuba localities.****Collections.***A. lecontei* Hopkins 1915: 56*A. gundlachi* Eggers 1931: 20 (Cuba (t.l.), Berlin (type))**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, Puerto Rico, Guadeloupe, USA (LA-FL)**Cuba localities.****Collections.****Premnobius Eichhoff 1878: 404***P. cavipennis* Eichhoff 1878: 404**Distribution.** Cuba (introduced), Jamaica, Puerto Rico, México, Brazil, USA (FL); native to Africa; in wood of hardwoods**Cuba localities.****Collections.****Theoborus Hopkins 1915: 57***T. ricini* (Eggers) 1932: 298 (*Xyleborus*)**Distribution.** Hispaniola, México to Brazil, USA (FL)**Cuba localities.****Collections.****Xyleborinus Reitter 1913: 79***X. andrewesi* (Blandford) 1896: 227 (*Xyleborus*)**Distribution.** Cuba (introduced), Jamaica, widespread Asia, Africa, Indomalaya**Cuba localities.** SC: Gran Piedra**Collections.** Ottawa**Xyleborus Eichhoff 1864: 37***X. affinis* Eichhoff 1868: 401**Distribution.** Cuba (t.l.), Hispaniola, Jamaica, Barbados, widespread México, Central and South America, USA (TX-MA-FL); in many tree species**Cuba localities.** SC**Collections.** Gatineau. Ottawa. Washington (type)*X. ferrugineus* (Fabricius) 1801: 388 (*Bostrichus*)**Distribution.** Cuba, Bahamas, Hispaniola, Jamaica, Puerto Rico, widespread México, Central America, South America, Africa, USA (TX-MI-MA-FL); in many tree species**Cuba localities.** SC**Collections.** Gatineau. Ottawa*(X. pubescens* Zimmerman 1868: 145)**Distribution.** Bahamas (Andros), widespread e USA**Cuba localities.** Hosts: in *Pinus* species**Collections.***X. spinulosus* Blandford 1898: 201**Distribution.** Cuba, Hispaniola, Jamaica, Grenada, Guadeloupe**Cuba localities.** SC**Collections.** Gatineau. Ottawa*X. volvulus* (Fabricius) 1775: 454 (*Bostrichus*)**Distribution.** Cuba, Jamaica, Puerto Rico, widespread México, Central and South America, USA (FL)**Cuba localities.****Collections.***X. xylographus* (Say) 1826: 256 (*Bostrichus*)*X. inermis* Eichhoff 1868: 401 (Cuba, t.l.; Hamburg, type lost)**Distribution.** Cuba, Guadeloupe, Puerto Rico, USA (TX-MN-FL); mostly in oaks**Cuba localities.** M: Cienaga Zapata, Playa Larga**Collections.** Washington**Xylosandrus Reitter 1913: 83***X. compactus* (Eichhoff) 1875: 201 (*Xyleborus*). The black twig borer**Distribution.** Cuba (introduced), Virgin Islands, Brazil, USA (FL to TX); native to Africa; in wood of many hardwoods**Cuba localities.** A pest of increasing importance in the robusta variety of coffee trees (Vázquez et al. 1992: 46), and it may become a problem of major importance**Collections.***(X. zimmermanni* (Hopkins) 1915: 67 (*Anisandrus*))**Distribution.** Bahamas, México to Costa Rica, South America, USA (FL)**Cuba localities.****Collections.**

## SUBTRIBE CRYPHALINA



**Cryptocarenus Eggers 1933: 10**

*C. heveae* (Hagedorn) 1912: 338 (*Stephanoderes*)  
*Trachyderes parvus* Blackman 1943: 36 (Ci: Cayamas (t.l.), Washington (type))

**Distribution.** Cuba, Guadeloupe, Virgin Islands, México to Panama to Brazil, USA (FL)

**Cuba localities.**

**Collections.**

*C. seriatus* Eggers 1933: 10

**Distribution.** Cuba, Hispaniola, Jamaica, Virgin Islands, México to Costa Rica to Brazil, USA (TX, FL)

**Cuba localities.**

**Collections.**

**Hypocryphalus Hopkins 1915: 8**

*H. mangiferae* (Stebbing) 1914: 542 (*Cryphalus*).  
 The mango bark beetle

**Distribution.** Cuba (introduced), Barbados, Guadeloupe, México to Panamá, Venezuela, Brazil, USA (FL); native to Asia; circumtropical in mango bark

**Cuba localities.** Ho: Holguin. A pest of plantations of young mango trees in Havana Province: boring into trunks and branches (Vázquez et al. 1992: 45)

**Collections.** Ottawa

**Hypothenemus Westwood 1836: 34**

(*H. arreceae* (Hornung) 1842: 117 (*Bostrichus*))

**Distribution.** Bahamas, Puerto Rico, Virgin Islands, Brazil, USA (FL); native to Africa or Asia; in bark and seeds of hardwoods

**Cuba localities.**

**Collections.**

*H. birmanus* (Eichhoff) 1878: 486 (*Triarmocerus*).  
 The kaiwe scolytid

**Distribution.** Cuba (introduced), Jamaica, Costa Rica to Panamá, USA (FL); native to SE Asia

**Cuba localities.**

**Collections.**

*H. ceibae* Hopkins 1915: 20

**Distribution.** Cuba, Grenada, Puerto Rico

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*H. columbi* Hopkins 1915: 18

*H. abdominalis* Hopkins 1915: 18 (Ci: Cayamas (t.l.), Washington (type))

*H. brunneipennis* Hopkins 1915: 18 (Ci: Cayamas (t.l.), Washington (type))

*H. amplipennis* Hopkins 1915: 19 (Ci: Cayamas (t.l.), Washington (type))

**Distribution.** Cuba (introduced), Bahamas, México to Panamá, South America, USA (TX-FL); native to Old World

**Cuba localities.**

**Collections.**

*H. crudiae* (Panzer) 1791: 35 (*Bostrichus*)

**Distribution.** Cuba (introduced), Grenada, Puerto Rico, México to Costa Rica, South America, USA (LA-KS-DC-FL); native to Asia; in bark and seeds of hardwoods

**Cuba localities.**

**Collections.**

*H. erectus* LeConte 1876: 356

*H. cubensis* Hopkins 1915: 32 (Ci: Cayamas (t.l.), Washington (type))

**Distribution.** Cuba, St. Thomas, México, Venezuela, USA (TX)

**Cuba localities.**

**Collections.**

*H. eruditus* (Westwood) 1836: 34

*Cryphalus obscurus* Ferrari 1867: 17 (Cuba (t.l.), Vienna (type))

*H. lineatifrons* Hopkins 1915: 17 (Ci: Cayamas (t.l.), Washington (type))

*H. parvus* Hopkins 1915: 17 (Ci: Cayamas (t.l.), Washington (type))

*H. flavipes* Hopkins 1915: 18 (Ci: Cayamas (t.l.), Washington (type))

*Stephanoderes flavicollis* Hopkins 1915: 24 (Ci: Cayamas (t.l.), Washington (type))

*S. elongatus* Hopkins 1915: 25 (Ci: Cayamas (t.l.), Washington (type))

*S. subconcentralis* Hopkins 1915: 25 (Ci: Cayamas (t.l.), Washington (type))

*S. unicolor* Hopkins 1915: 25 (Ci: Cayamas (t.l.), Washington (type))

*S. gracilis* Eggers 1929: 51 (Cuba (t.l.), Vienna (type))

**Distribution.** Cuba, Jamaica, Puerto Rico, México to Panamá, South America, Africa, Asia, USA (CA-TX, MI-NJ-FL)

**Cuba localities.**

**Collections.**

*H. gossypii* (Hopkins) 1915: 25 (*Stephanoderes*)

**Distribution.** Cuba, México, USA (FL)

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*H. hirsutus* (Wood) 1954: 1020 (*Stephanoderes*)

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

*H. interstitialis* (Hopkins) 1915: 28 (*Stephanoderes*)

*Stephanoderes obliquus* Hopkins 1915: 30 (Ci: Cayamas (t.l.), Washington (type))

**Distribution.** Cuba, Jamaica, México to Panamá, Colombia, Brazil, USA (AL-KS-CT-FL)

**Cuba localities.**

**Collections.**

- H. javanus* (Eggers) 1908: 215 (*Stephanoderes*)  
*Stephanoderes obesus* Hopkins 1915: 30 (Ci: Cayamas (t.l.), Washington (type))  
*Stephanoderes pistior* Schedl 1951: 102 (Havana (t.l.), Vienna (type))

**Distribution.** Cuba (introduced), Hispaniola, Guadeloupe, México, Venezuela, Brazil, USA (FL); native to Africa; in bark and seeds of hardwoods

**Cuba localities.**

**Collections.**

- H. obr* Atkinson unpublished

**Distribution.** Cuba, USA (FL)

**Cuba localities.**

**Collections.**

- H. obscurus* (Fabricius) 1801: 395 (*Bostrichus*)

**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, Virgin Islands, Guadeloupe, México to Panamá, South America, USA (FL)

**Cuba localities.**

**Collections.**

- H. pilosus* Hopkins 1915: 20

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

- H. seriatus* (Eichhoff) 1872: 133 (*Stephanoderes*)

*Stephanoderes minutus* Hopkins 1915: 26 (Ci: Cayamas (t.l.), Washington (type))

*Stephanoderes nitidipennis* Hopkins 1915: 29 (Ci: Cayamas (t.l.), Washington (type))

*S. nitidulus* Hopkins 1915: 29 (Ci: Cayamas (t.l.), Washington (type))

*S. subopacicollis* Hopkins 1915: 30 (Ci: Cayamas (t.l.), Washington (type))

**Distribution.** Cuba, Hispaniola, Puerto Rico, Virgin Islands, Barbados, México to Costa Rica, South America, USA (TX-KY-WV-FL)

**Cuba localities.**

**Collections.**

- H. setosus* (Eichhoff) 1868: 391 (*Hypoborus*)

**Distribution.** Cuba (introduced), Hispaniola, Jamaica, Puerto Rico, México to Panamá, South America, USA (FL); native to Africa

**Cuba localities.**

**Collections.**

- H. squamosus* (Hopkins) 1915: 26 (*Stephanoderes*)

**Distribution.** Cuba, México, USA (FL, TX)

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

***Scolytogenes* Eichhoff 1878: 475, 497**

*S. knabi* (Hopkins) 1915: 34 (*Ernoporides*)

**Distribution.** Cuba (introduced), Hispaniola, Jamaica, Tortola (BWI), Guadeloupe, México, Central America, Venezuela, USA (FL); probably native to Old World

**Cuba localities.**

**Collections.**

***Trischidias* Hopkins 1915: 7**

*T. atoma* (Hopkins) 1915: 15 (*Hypothenemus*). The Bermuda beetle

**Distribution.** Cuba (introduced), Brazil, widespread USA

**Cuba localities.** An important and widespread pest species, especially in Matanzas Province. A control program reduced its importance to a harmless level (Vázquez et al. 1992: 46). Hosts: many diverse tree species

**Collections.** Havana

SUBTRIBE PITYOPHTHORINA

***Araptus* Eichhoff 1878: 305**

*A. cubensis* (Blackman) 1942: 191 (*Neodryocoetes*)

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. hymenaeae* (Eggers) 1933: 9 (*Neodryocoetes*)

**Distribution.** Cuba, Jamaica, Hispaniola, Lesser Antilles, Panama to Brazil

**Cuba localities.** Ha: Marianao, from *Ficus* sp. Hosts: in seeds of *Hymenaea*, *Erythrina*, etc.

**Collections.** Ottawa.

*A. pallidus* (Blackman) 1942: 193 (*Neodryocoetes*)

*A. devius* Schedl 1972: 61 (PR: Valle Ancon (t.l.), Vienna (type))

**Distribution.** Cuba, Hispaniola, Puerto Rico, Brazil

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*A. politus* (Blandford) 1904: 244 (*Pityophthorus*)

**Distribution.** Cuba, Hispaniola, Jamaica, México, Costa Rica, USA (FL)

**Cuba localities.**

**Collections.**

***Pityophthorus* Eichhoff 1864: 39**

*P. centralis* Eichhoff 1878: 188

**Distribution.** Cuba, Bahamas, USA (FL)

**Cuba localities.**

**Collections.** Hamburg (type lost)

*P. pudens* (Blackman) 1942: 199 (*Pityophthoroides*)

**Distribution.** Cuba, Hispaniola, Virgin Islands

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*P. pulicarius* Zimmermann 1868: 144

*P. cubensis* Schedl 1972: 65; PR: Viñales (t.l.), Vienna (type)

**Distribution.** Cuba, widespread USA (TX-MN-MA-FL), Canada (NS)

**Cuba localities.**

**Collections.**

*P. regularis* Blackman 1942: 206

**Distribution.** Cuba. Endemic

**Cuba localities.** Ci: Cayamas (t.l.)

**Collections.** Washington (type)

*P. n. sp.*

**Distribution.** Cuba. Endemic

**Cuba localities.** Gu: Moa; Mts. N of Baracoa

**Collections.** Ottawa

#### SUBTRIBE CORTHYLINA

***Corthylus* Erichson 1836: 64**

*C. papulans* Eichhoff 1869: 280

*C. spinifer* Schwarz 1891: 114

**Distribution.** Cuba, Bahamas, Grenada, México to Panamá, South America, USA (FL)

**Cuba localities.** PR: Sierra Rangel

**Collections.** Ottawa

***Microcorthylus* Ferrari 1867: 58**

*M. minimus* Schedl 1950: 160

**Distribution.** Cuba, Jamaica, México to Costa Rica, Brazil

**Cuba localities.** Ci: Cayamas

**Collections.** Washington

***Monarthrum* Kirsch 1866: 213**

*M. mali* (Fitch) 1855: 326 (*Tomicus*)

**Distribution.** Cuba, USA (widespread)

**Cuba localities.**

**Collections.**

#### SUBFAMILY PLATYPODINAE

The ambrosia beetles

Members of this subfamily bore galleries under bark and feed on ambrosia fungi.

***Platypus* Herbst 1793: 128**

*P. parallelus* (Fabricius) 1801: 384

*P. poeyi* Guérin-Méneville 1838: 183; Jacquelin du Val 1857: 237; Gundlach 1891: 98 (syntypes in London and Brussels)

*P. subcostatus* Jacquelin du Val 1857: 238 (Cuba (t.l.))

**Distribution.** Cuba, Hispaniola, Jamaica, Puerto Rico, México to Argentina, USA (CA-TX-FL); cosmopolitan

**Cuba localities.**

**Collections.**

#### REFERENCES

- Alonso-Zarazaga, M.A. and C.H.C. Lyal.** 1999. A world catalogue of families and genera of Curculionoidea (Insecta: Coleoptera) (excepting Scolytidae and Platypodidae). Entomopraxis, S.C. P. Barcelona, Spain.
- Atkinson, T.H. and Peck, S.B.** 1994. Annotated checklist of the bark and ambrosia beetles (Coleoptera: Platypodidae and Scolytidae) of tropical southern Florida. Florida Ent. 77: 313-329.
- Bright, D.E.** 1985. Studies in West Indian Scolytidae (Coleoptera) 3. Checklist of Scolytidae of the West Indies, with description of new species and taxonomic notes. Ent. Arb. Mus. Frey 33/34: 169-187.
- Buchanan, L. L.** 1947. Notes on Cuban Curculionidae with descriptions of new genera and species (Coleoptera). Mem. Soc. Cubana Hist. Natur. 19: 43-51.
- Carbonnel, R.M.** 1982. Bionomics of the rice water weevil *Lissorhoptrus brevisrostris* (SFFR) in Cuba. Int. Rice Res. Newsl. 7: 20-21.
- Clark, W. E.** 1981. The genus *Chionanthus* Pierce (Coleoptera: Curculionidae): a new species from Cuba and a key to species. Proc. Ent. Soc. Washington 83: 690-693.
- Clark, W.E.** 1990. The Neotropical species of *Pseudanthonomus* Dietz (Coleoptera: Curculionidae). Trans. Amer. Ent. Soc. 116: 655-696.
- Clark, W.E.** 1991a. The *Anthonomus guttatus* species group (Coleoptera: Curculionidae). Proc. Ent. Soc. Wash. 93: 262-271.
- Clark, W.E.** 1991b. The *Anthonomus curvirostris* species group (Coleoptera: Curculionidae). Trans. Amer. Ent. Soc. 117: 39-66.
- Clark, W.E.** 1993a. *Huaca*, new genus Clark, of Neotropical *Anthonomini* (Coleoptera: Curculionidae). Trans. Amer. Ent. Soc. 119: 1-45.
- Clark, W.E.** 1993b. The weevil genus *Neomastix* Dietz (Coleoptera: Curculionidae: Anthonomini). Coleop. Bull. 47: 1-19.
- Howden, A. T.** 1970. The Tanymecini of the West Indies (Coleoptera: Curculionidae). Cont. Amer. Ent. Soc. 5: 1-73.
- Howden, A. T.** 1992. Review of the New World eyeless weevils with uncinata tibiae (Coleoptera,

- Curculionidae: Molytine, Cryptorhynchinae, Cossoninae). Mem. Ent. Soc. Canada 162, 76 pp.
- Kuschel, G.** 1952. Revision de *Lissorhoptrus* LeConte y generos vecinos de America. Rev. Chilena Ent. 1: 23-74.
- Kuschel, G.** 1955: Nuevas sinonomias y anotaciones sobre Curculionidea (Coleoptera). Rev. Chilena Ent. 4: 261-312.
- Lopez Castila, R.** 1992. Dos nuevas especies de *Pachnaeus* (Coleoptera: Curculionidae) de Cuba. Poeyana 421: 8 pp.
- Meneses, R.** 1981. Ecological studies of *Lissorhoptrus brevisrostris* (Coleoptera: Curculionidae) in rice region of southern Sancti Spiritus, Cuba. Agrotechnica de Cuba 13: 23-35.
- O'Brien, C.W. and G.J. Wibmer.** 1982. Annotated checklist of the weevils (Curculionidae sensu lato) of North America, Central America, and the West Indies (Coleoptera: Curculionidae). Mem. Amer. Ent. Inst. 34: 382 pp.
- O'Brien, C.W. and G.J. Wibmer.** 1989. Revision of the Neotropical genus *Neohydronomus* Hustache (Coleoptera: Curculionidae). Coleop. Bull. 43: 291-304.
- Osella, G.** 1973. Una nuova specie di cossonino cieco dell'isola di Cuba Coleoptera-Curculionidae. Résultats des expédition biospéologiquess Cubano-Roumaines à Cuba. 1: 373-377.
- Osella, G.** 1976. *Decuanellus viti* n.sp. di curculionide endogeo dell'isola di Guadelupa (Coleoptera). Rev. Suisse Zool. 83: 673-677.
- Osella, G.** 1977a. *Psuedocaecocossonus zayasi* n. gen., n.sp. di Curculionidae endogeo di Cuba (Coleoptera). Résultats des expédition biospéologiquess Cubano-Roumaines à Cuba. 2: 393-395.
- Osella, G.** 1977b. Nuove specie di Curculionidae endogei dell'isola di Cuba (Coleoptera). Résultats des expédition biospéologiquess Cubano-Roumaines à Cuba. 2: 397-402.
- Osella, G.** 1980. Nuovi curculionidi ciechi della regione neotropica (Coleoptera). Frag. Ent. 15: 365-422.
- Osella, G.** 1981: Il genere *Stenommatius* Wollaston a Cuba (Coleoptera: Curculionidae). Résultats des expédition biospéologiquess Cubano-Roumaines à Cuba. 3: 181-183.
- Vaurie, P.** 1970: Weevils of the tribe Sivalini (Coleoptera, Curculionidae, Rhynchophorinae). Part 2. The genera *Mesocordylus* and *Orthognathus*. Amer. Mus. Novitates. No. 2441, 1-78.
- Vázquez, L.L., E. Valdés, and J.C. Amor.** 1992. New manifestations of pests on economically important plants during the period from 1970 to 1991 in Cuba. Boll. Lab. Ent. Agr. Filippo Silvestri 49: 41-52.
- Wibmer, G.J.** 1981. Revision of the New World weevil genus *Tyloderma* in America north of Mexico (Coleoptera: Curculionidae: Cryptorhynchinae). Southwest. Entomol., Suppl 3: 1-95.
- Wood, S.E.** 1979. A catalog of the Coleoptera of America north of México, Family Platypodidae. USA Dept. Agric. Handbook 529-141.
- Wood, S.E. and D.E. Bright, Jr.,** 1992. A catalog of Scolytidae and Platypodidae, part 2: Taxonomic Index. Great Basin Naturalist Mem. 13, vol. A and vol. B. 1483 pp.

## ORDER STREPSIPTERA

These insects are parasitoids in leaf-hoppers and various plant-feeding insects as well as other groups such as wasps and ants (Alayo 1977, Kathirithamby 1992, Zayas 1981). Because larvae and females are endoparasitic, the strepsipterans have been thought to have potential in Cuba as biological control organisms, especially against pests of sugarcane. Additional species occur elsewhere in the Caribbean and will eventually be found in Cuba (for instance, 10 species occur in Florida (Kathirithamby and Peck 1994) and many of these would be expected to occur in Cuba). This order is included here because, in the past, it has been considered by some authors to be a family within the beetles. Kukalova-Peck and Lawrence (2004: 111) review and add to evidence that Strepsiptera are the sister group to Coleoptera.

## SUBORDER MENGENILLIDA

### 1. FAMILY MENGENILLIDAE

This family does not occur in the New World.

## SUBORDER STYLOPIDIA

### 2. FAMILY CORIOXENIDAE

#### *Triozocera* Pierce 1911: 490

*T. mexicana* (Pierce) 1909: 86 (*Trioxcera*); Peck 1997: 9

*T. texana* Pierce 1911: 491, Luna de Carvalho 1967: 22

**Distribution.** Cuba, Puerto Rico, Bermuda, Trinidad, México, Guatemala, Brazil. Parasi-



toid of *Pangaeus bilineatus* (Cydnidae, Hemiptera)

**Cuba localities.** Ci: Soledad. SC: Santiago de Cuba, Roig Botanical Garden. SS: Montes de Trinidad, Mina de Carlota

**Collections.** Gatineau

(*T. tecpanensis* Brailovsky and Márquez 1974; Kifune and Brailovsky 1987: 65)

**Distribution.** México

**Cuba localities.** Possible misidentification of above record from Mina de Carlota

**Collections.**

### 3. FAMILY BOHARTILLIDAE

This family is known only from Honduras, and in amber from the Dominican Republic. It may yet be found in Cuba.

### 4. FAMILY MYRMECOLACIDAE

***Caenocholax* Pierce 1909: 88**

*C. fenyasi* Pierce 1909: 89; Genaro and Peck 1995:10

**Distribution.** Cuba, Bahamas through Florida to Arizona, to Argentina and Chile. A parasitoid of *Pheidole* ants

**Cuba localities.** Ci: Soledad

**Collections.**

### 5. FAMILY HALICTOPHAGIDAE

***Stenocranophilus* Pierce 1914: 126**

*S. quadratus* Pierce 1914: 127; Bruner, Scaramuzza and Otero 1945: 160

**Distribution.** Cuba, Puerto Rico, Trinidad, Venezuela. An endoparasite of the plant hopper delphacid *Saccharosydre saccharivora* (Westwood), a pest of sugarcane

**Cuba localities.**

**Collections.**

### 6. FAMILY CALLIPHARIXENIDAE

This family is known only from southeast Asia.

### 7. FAMILY ELENCHIDAE

This family is cosmopolitan in Distribution. They parasitize Homoptera, and are not yet known from Cuba.

### 8. FAMILY STYLOPIDAE

This family is cosmopolitan in Distribution. They all parasitize Hymenoptera. They are not yet known from Cuba.

#### REFERENCES

- Alayo D., P.** 1977. Introduccion al estudio del Orden Strepsiptera en Cuba. Acad. Cien. Cuba, Inst. Zool., Informe Cien.-Tech. 8.
- Genaro, J.A. and S.B. Peck.** 1995. *Caenocholax fenyasi* en Cuba (Strepsiptera: Myrmecolacidae). Cocuyo 2: 10.
- Kathirithamby, J.** 1992. Strepsiptera of Panamá and Mesoamerica. pp. 421-431. *In:* Quintero, D. and A. Aiello (eds.). The Insects of Panamá and Mesoamerica. Oxford Univ. Press, New York.
- Kathirithamby, J. and S.B. Peck.** 1994. Strepsiptera of south Florida and the Bahamas with the description of a new genus and new species of Corioxenidae. Can. Ent. 126: 125-134.
- Kifune, T., and H. Brailovsky.** 1987. Two new species of Mexican Strepsiptera in the collection of the Instituto de Biología, Universidad Nacional Autónoma de México (Notulae Strepsipterologicae – IX). Esakia 20: 61-71.
- Kukalova-Peck, J. and Lawrence, J.F.** 2004. Relationships among coleopteran suborders and major endoneopteran lineages: evidence from hind wing characters. European Journal Entomology 101: 95144.
- Luna de Carvalho, Ed.** 1967. Terceira contribuição para o estudo dos Estrepsípteros angolenses (Insecta Strepsiptera). Publ. Cyult. Cia. Diamante Angola 77: 13-56.
- Peck, S.B.** 1997. *Triozocera mexicana* in Cuba (Strepsiptera: Corioxenidae). Cocuyo 6: 9.
- Zayas, F. de.** 1981. Entomofauna Cubana. Vol. 8. Parte tercera. Orden Strepsiptera. Ed. Cien.-Tech., La Havana.