



CETONIINAE



CHARACTERIZATION:

Mandibles weakly developed, hidden by clypeus

Labrum membranous in most species, hidden

Antenna 10-segmented, club with 3 segments; antennal insertion visible from above on side of clypeus

Eye canthus long, narrow

Elytron with distinct post-humeral emargination (Gymnetini, Cetoniini, Cremastocheilini) that reveals the mesepimeron at the base of elytron, or lacking post-humeral emargination (Trichiini and Valgini)



CETONIINAE



CHARACTERIZATION:

Pygidium exposed

Propygidium rigidly connected to fifth visible sternite

Procoxae protruding conically downward; posterior coxae contiguous or nearly so in Trichiini

Tarsal claws simple and subequal in size

6 New World tribes; 12 tribes worldwide

GOLIATHINI

Pronotum lacking basomedial lobe, scutellum visible.

Mesepimeron distinct.

Posthumeral emargination slight.

Elytra glabrous or velutinous.

Middle coxae usually widely separated by mesometasternal process.

Head of males with strong clypeal projections.

**2 New World genera
Key to genera: Mudge *et al.* 2003)**

**80 genera worldwide
(mostly Asia and Africa)**





Ischnoscelis
Burmeister, 1842

Mexico - 1 species

**Last synopsis: Morón and
Ratcliffe 1989**

Ischnoscelis hoepfneri
(Gory & Percheron, 1833)

***Neoscelis* Schoch, 1897**

Mexico - 3 species

Key to species: Mudge *et al.* 2003



***Neoscelis coracina*
Mudge & Ratcliffe, 2003**



***Neoscelis dohrni*
(Westwood, 1855)**



GYMNETINI

Pronotum with basomedial lobe strongly expanded, apex rounded, covering most of scutellum.

Mesepimeron distinct.

Posthumeral emargination of elytra distinct.

Surface usually velutinous.

Mesometasternal protrusion developed.

25 New World genera
Key to genera: none

29 genera worldwide





Aemilius
Le Mout, 1939

South America - 1 species

Last synopsis: Ratcliffe in prep

***Aemilius wagneri* Le Mout, 1939**



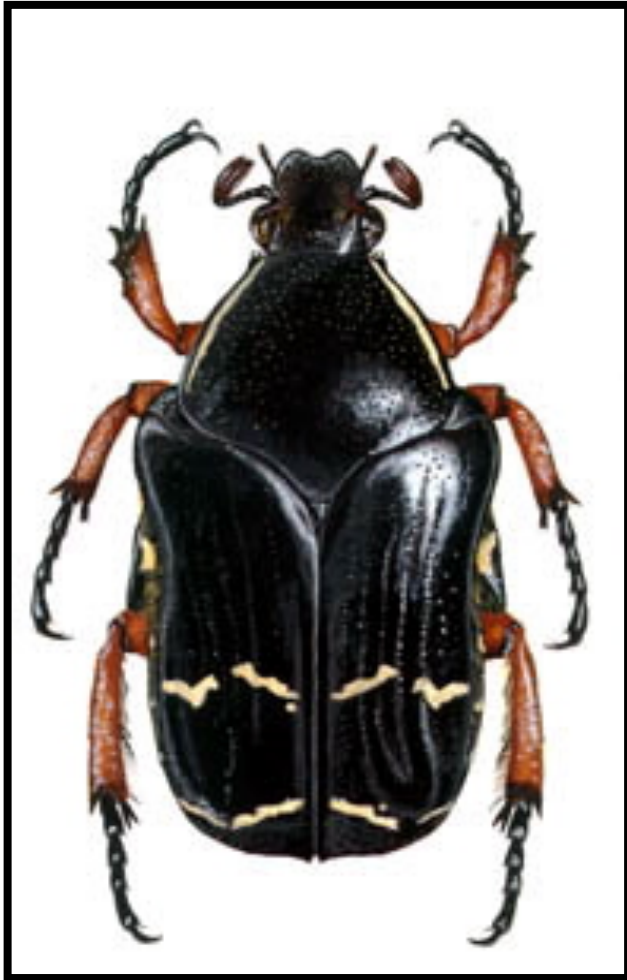
Allorhina
Burmeister, 1842

Mexico & South America - 13 species

Last synopsis: Ratcliffe in prep



***Allorhina scabriuscula* (Swederus, 1787)**



Amithao erythropus
(Burmeister, 1842)

Amithao **Thomson, 1878**

Mesoamerica & South America - 17 species

Last synopsis: Ratcliffe in prep



Amithao
cavifrons
(Burmeister, 1842)

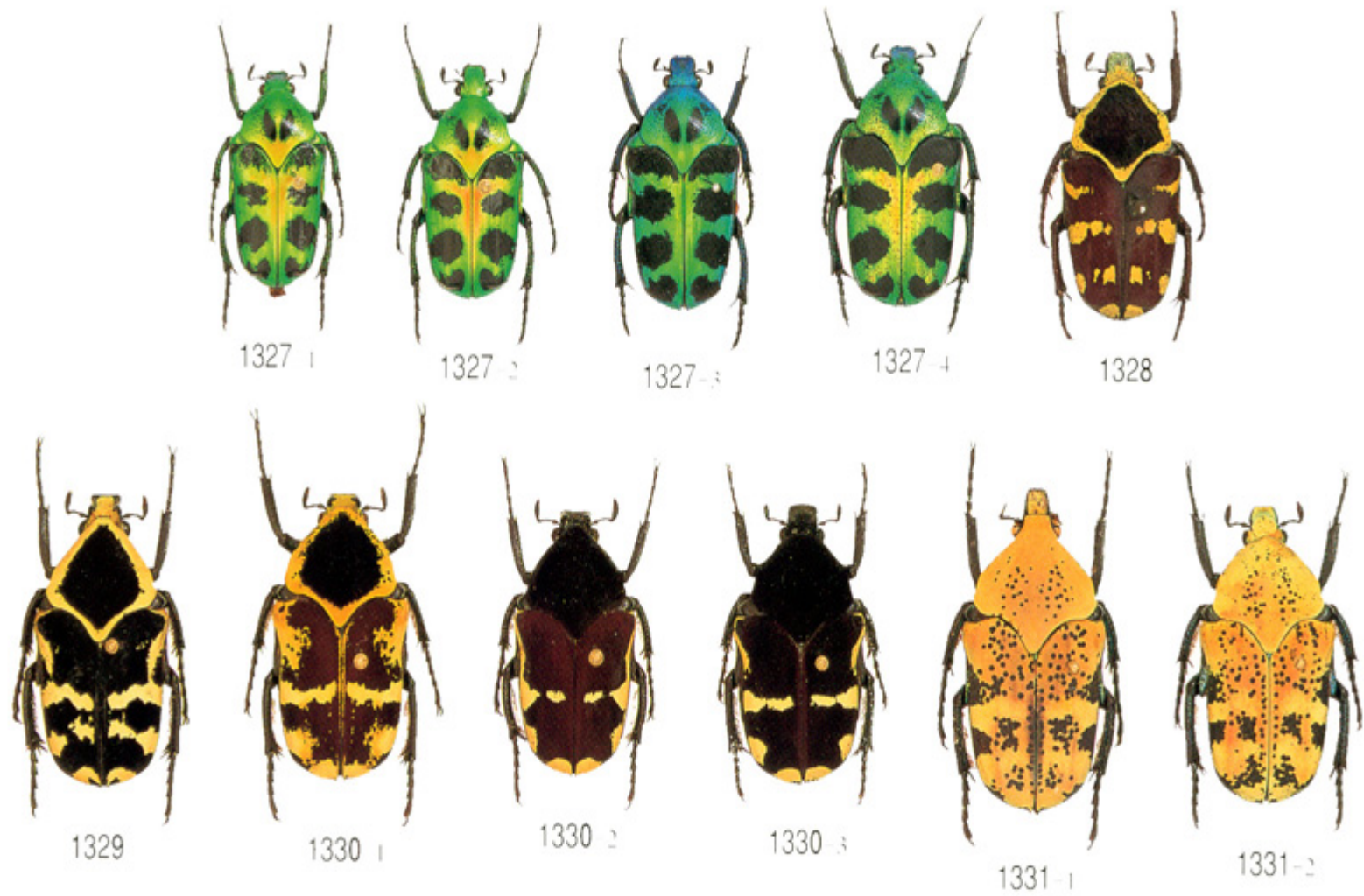


Argyrripa
Thomson, 1878

Central & South America - 4 species

Last synopsis: Ratcliffe 1978

***Argyrripa lansbergei* Sallé, 1857**



Argyripa* spp.: *gloriosa*, *subfasciata*, *anomala*, *lansbergei

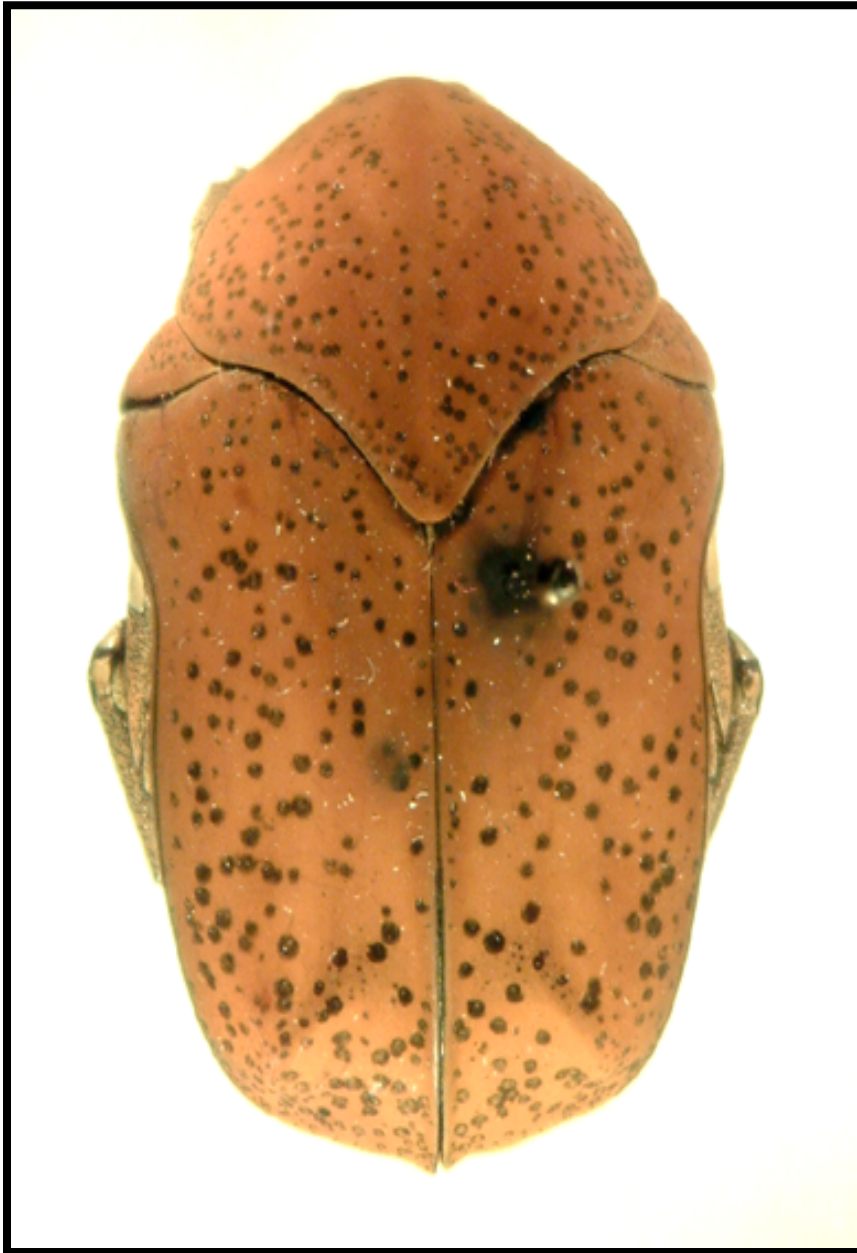


Astroscara
Schürhoff, 1937

Brazil - 1 species

Last synopsis: Ratcliffe in prep

***Astroscara flavoradiata* (Moser, 1918)**



Badelina
Thomson, 1880

Brazil - 2 species

Last synopsis: Ratcliffe in prep

***Badelina pygidialis* (Thomson, 1878)**



Balsameda
Thomson, 1880

Mesoamerica - 2 species

Last synopsis: Goodrich 1965



***Balsameda pulverulenta* (Burmeister, 1842)**



Blaesia
Burmeister, 1842

Southern South America - 2 species

Last synopsis: Ratcliffe 2010



***Blaesia atra* Burmeister, 1842**



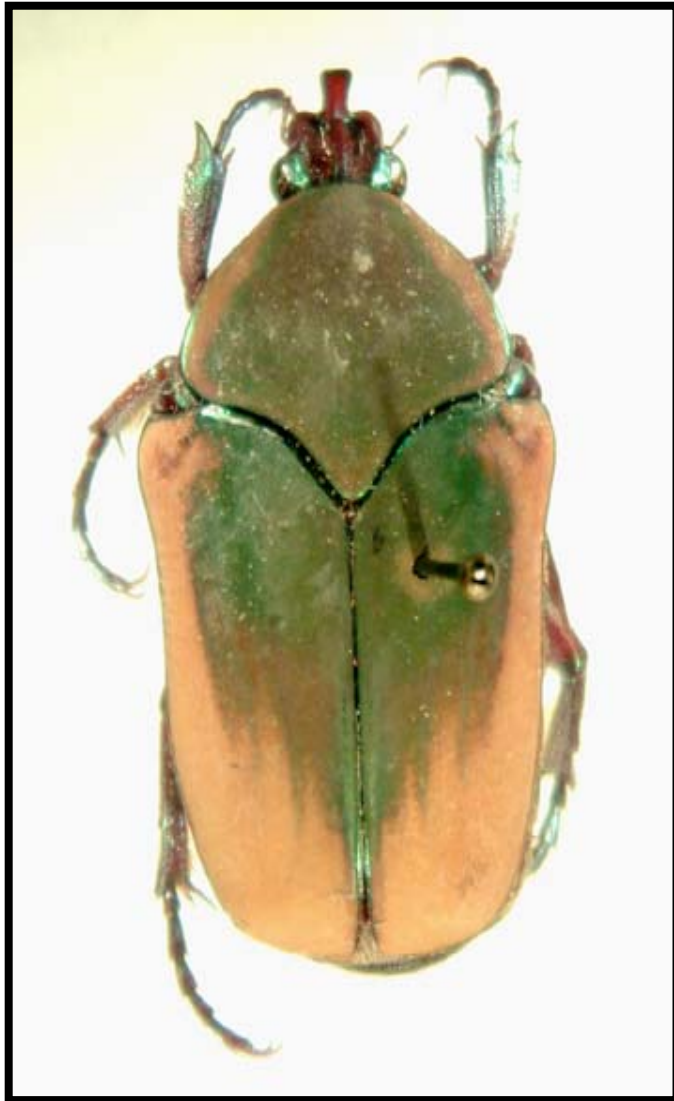
Chiriquiba
Bates, 1889

Panama - 1 species

Last synopsis: Ratcliffe in prep



***Chiriquiba insignis* (Jansen, 1888)**



Cotinis mutabilis
(G. & P., 1833)

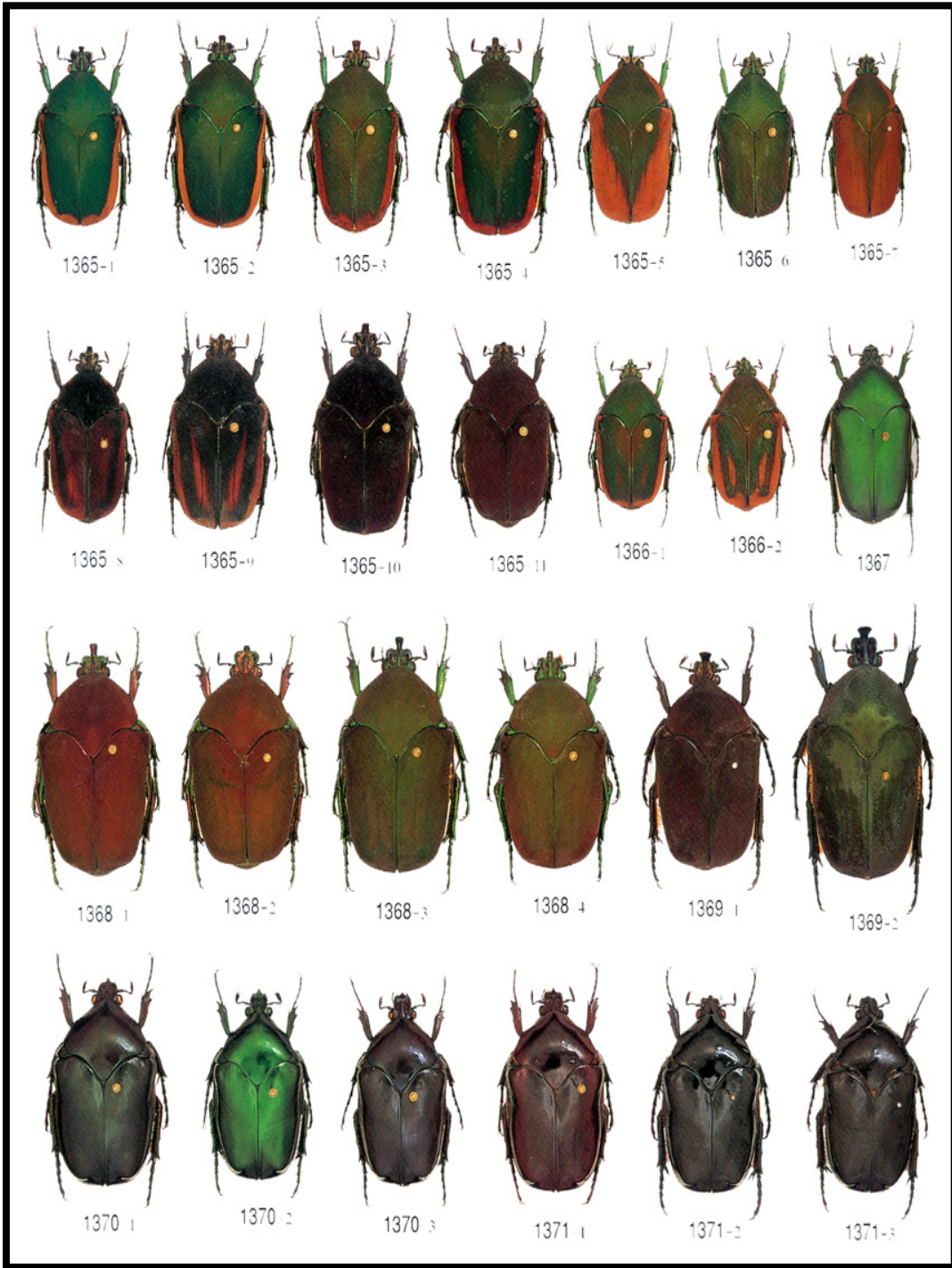
Cotinis **Burmeister, 1842**

U.S. to South America - 21 species

Last synopses: Goodrich 1966;
Deloya & Ratcliffe 1988;
Deloya *et al.* 2000;
Woodruff 2008



Cotinis lebasi
(G. & P., 1833)



***Cotinis* species**



***Cotinis nitida* (L., 1758)**



Desicasta
Thomson, 1878

Central & South America - 8 species

Last synopsis: Ratcliffe in prep



***Desicasta laevicostata* van de Poll, 1886**



Guatemalica hueti
(Chevrolat, 1870)

Guatemalica **van der Poll, 1886**

Central & South America - 3 species

Last synopsis: Ratcliffe in prep



Guatemalica marginicollis
(Burmeister, 1842)



Gymnetina **Casey, 1915**

U.S. & Mexico - 3 species

Last synopsis: Ratcliffe & Warner 2011



***Gymnetina cretacea* (LeConte, 1866)**



Gymnetis

MacLeay, 1819

(= *Paragymnetis* Schürhoff 1937)

Central & South America - 10 species

Last synopsis: Schürhoff 1937



***Gymnetis bajula* Olivier, 1789**



Fuente: INBio
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Gymnetosoma chevrolati
(G. & P., 1833)

Gymnetosoma **Martinez, 1949**

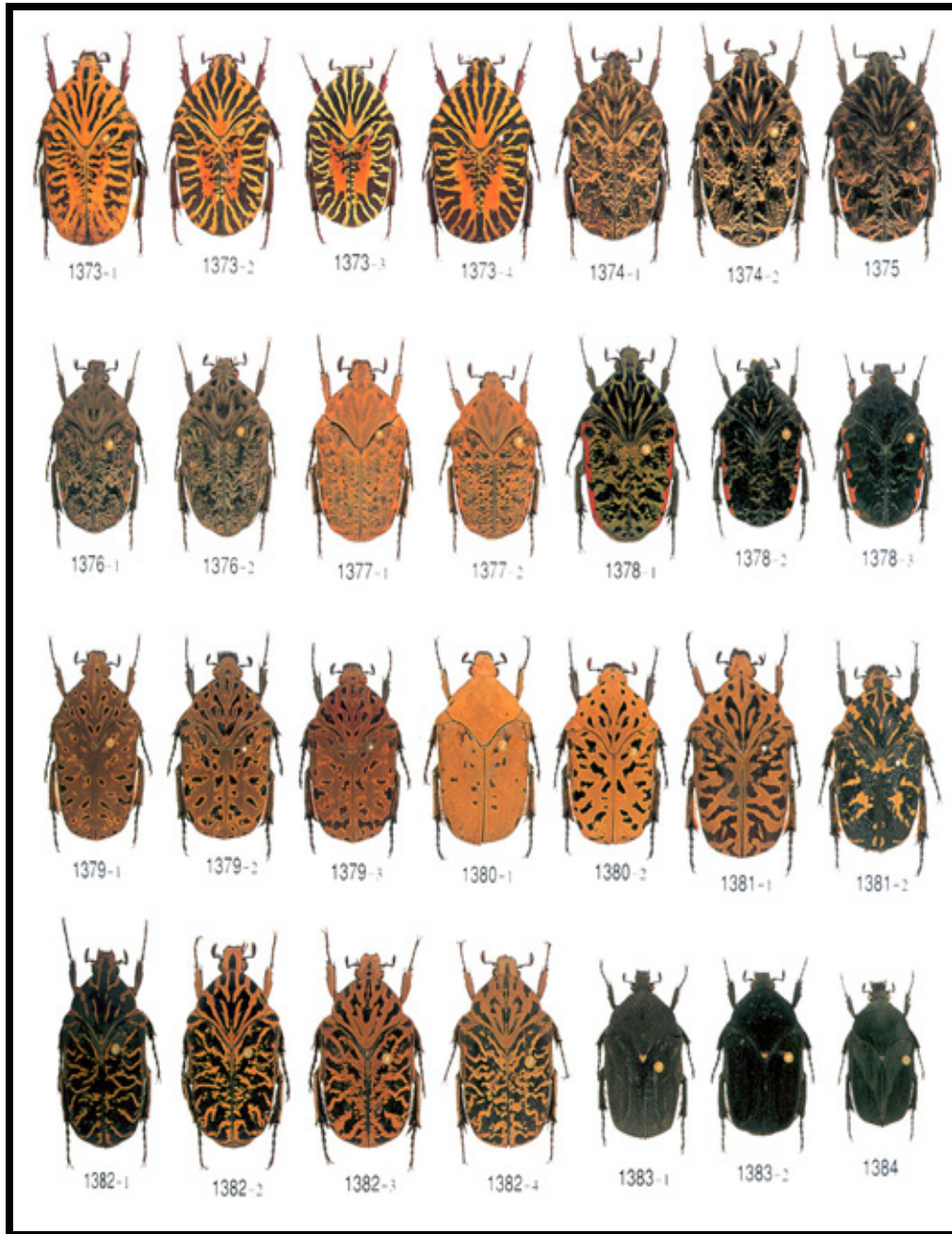
(= *Gymnetis sensu* Schürhoff 1937;
Blackwelder 1944)

Mexico to South America - 12 species

Last synopsis: Ratcliffe in prep



Gymnetosoma margineguttata
(G. & P., 1833)



***Gymnetosoma* & *Gymnetis* spp.**



***Gymnetis bruchi*
Moser, 1910**



***Gymnetis punctipennis*
Burmeister, 1842**



***Gymnetis fulgurata*
G. & P., 1833**



***Gymnetis poecila*
Schaum, 1848**



G. balzarica
(Jansen, 1880)



G. dysoni
(Moser, 1910)



G. holoserica
(Voet, 1789)



G. meleagris
(Burmeister, 1842)



G. pantherina
(Blanchard, 1843)



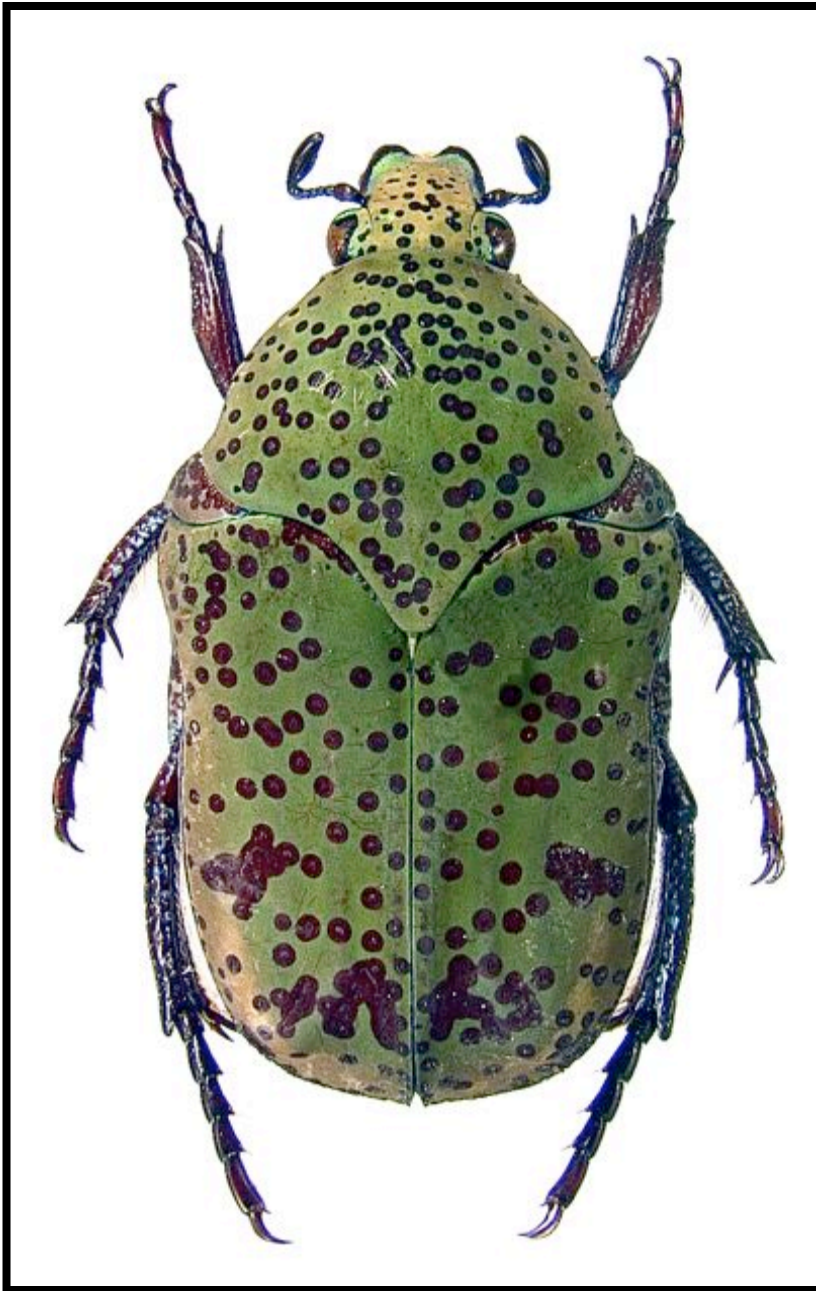
G. radiicollis
(Burmeister, 1847)



G. stellata
(Latreille, 1813)



G. vandeppolli
(Bates, 1889)



***Hadrosticta* Kraatz, 1892**

Central America - 1 species

Last synopsis: Ratcliffe in prep



***Hadrosticta viridiflua* Kraatz, 1892**



Heterocotinis
Martinez, 1948

Central & South America - 4 species

Last synopsis: Ratcliffe in prep



***Heterocotinis terminata* (G. & P., 1833)**



Hologymnetis argenteola
(Bates, 1889)

Hologymnetis Martinez, 1949

U.S. to South America - 7 species

Last synopsis: Ratcliffe & Deloya 1992



Hologymnetis cinerea
(G. & P., 1833)



Hoplopyga **Thomson, 1880**

Central & South America - 20 species

Last synopsis: Ratcliffe in prep

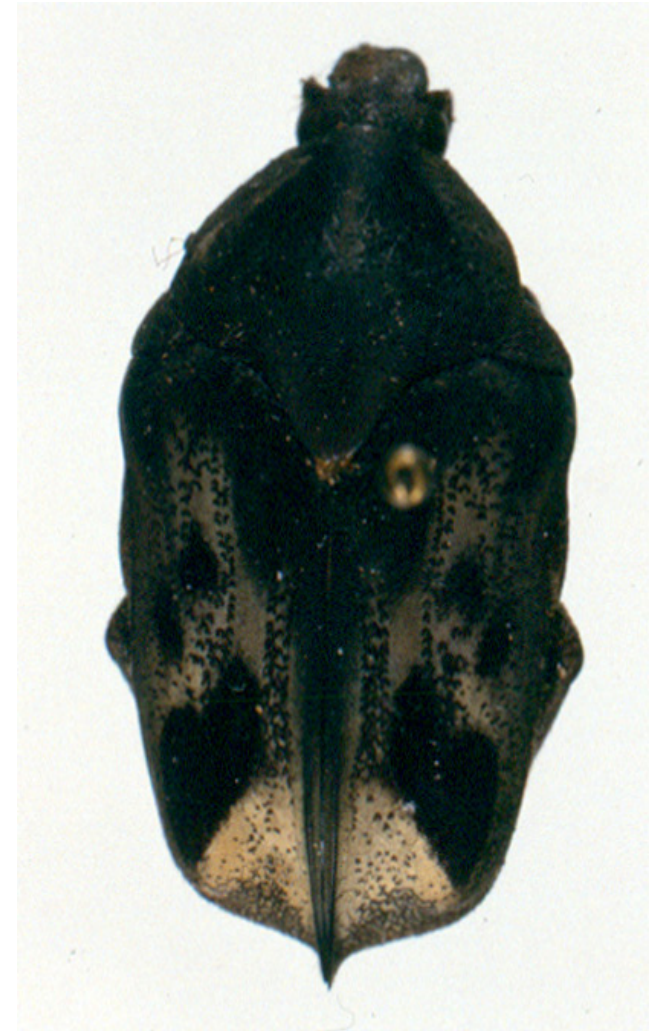
***Hoplopyga liturata* (Olivier, 1789)**



Hoplopyga albiventris
(G. & P., 1833)



Hoplopyga ocellata
(G. & P., 1833)



Hoplopyga peruana
Moser, 1912



Hoplopygothrix
Schürhoff, 1933

Brazil, Argentina - 2 species

Last synopsis: Ratcliffe 2005



***Hoplopygothrix atropurpurea* (Schaum, 1841)**



Jansonella
Blackwelder, 1944

French Guiana - 1 species

Last synopsis: Ratcliffe in prep



***Jansonella anceps* (Jansen, 1875)**



***Macrocranius*
Schürhoff, 1935**

Brazil - 1 species

Last synopsis: Ratcliffe in prep



***Macrocranius similis* Schürhoff, 1935**



***Marmorina*
Kirby, 1827**

(= *Maculinetis* Schurhoff, 1937)

Mexico & Argentina - 4 species

Last synopsis: Ratcliffe in prep



***Marmorina maculosa* (Olivier, 1789)**



Neocorvicoana
Ratcliffe & Micó, 2001
(= *Corvicoana* Strand, 1934)

South America - 3 species

Last synopsis: Ratcliffe & Micó 2001



***Neocorvicoana reticulata* (Kirby, 1813)**



Tiarocera
Burmeister, 1842

Cuba, Brazil - 2 species

Last synopsis: Ratcliffe in prep



***Tiarocera cornuta* (G. & P., 1833)**

CETONIINI

Pronotum lacking basomedial lobe, scutellum visible.

Mesepimeron distinct.

Posthumeral emargination of elytra distinct.

Elytra glabrous, velutinous, or with cretaceous patches.

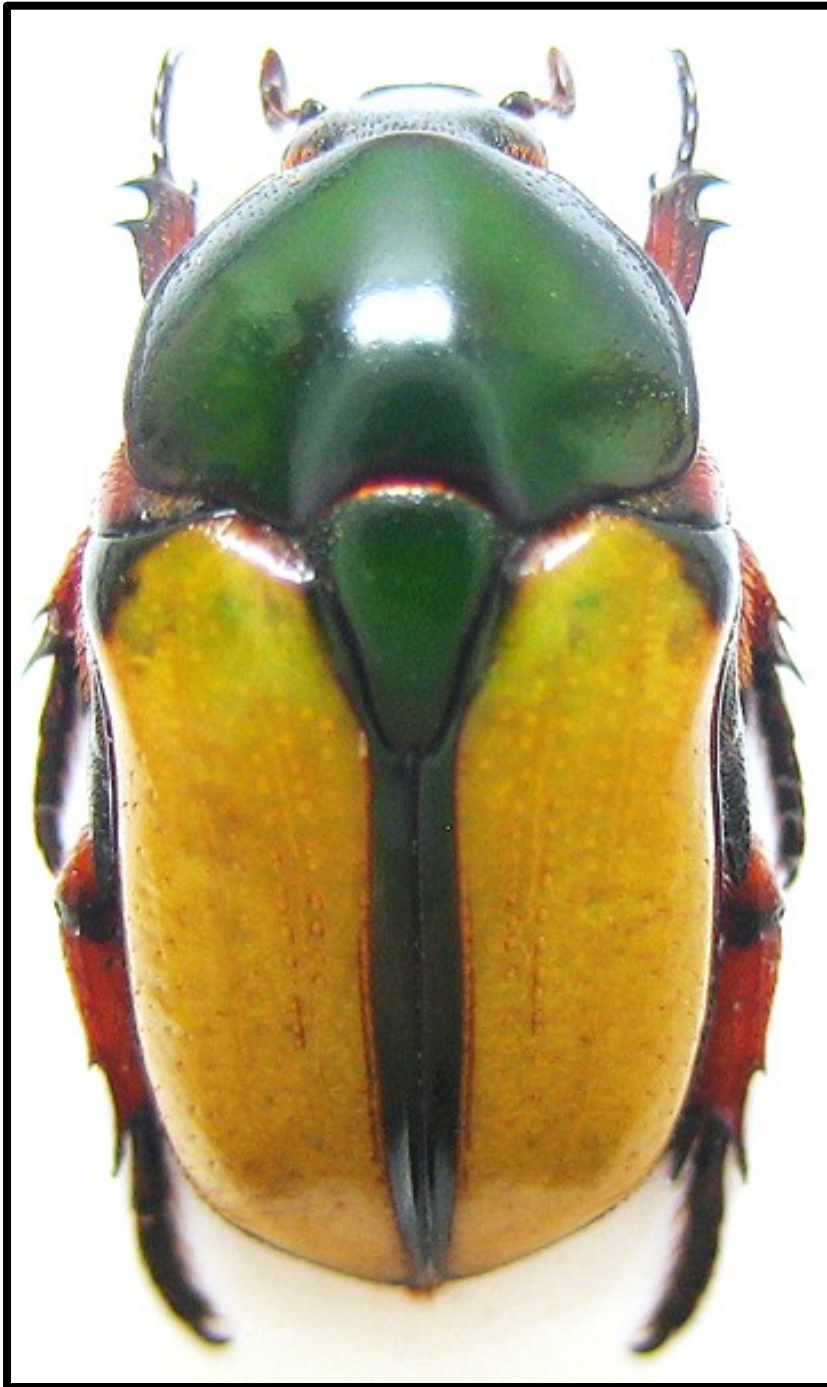
Mesometasternal protrusion developed.

4 New World genera

Key to genera: none

107 general worldwide





Chlorixanthe
Bates, 1889

U.S. and Mexico - 2 species

Last synopsis: Hardy 1988

Chlorixanthe flavoviridis
(Thomson, 1860)



***Euphoria herbacea* (Olivier, 1789)**



***Euphoria fulgida* (F., 1775)**

***Euphoria* Burmeister, 1842**

Canada to Argentina - 57 species

Last synopsis: Orozco in press



***Euphoria inda* (L., 1758)**

Euphoria species



*E. fulgida
holochloris*



*E. sepulchralis
rufina*



E. quadricollis



*E. fascifera
trapezium*



E. verticalis



E. devulsa



E. kerni



E. inda



E. histrionica



E. canescens



Protaetia
Burmeister, 1842

Florida & West Indies - 1 species

Last synopsis: Woodruff 2006



***Protaetia fusca* (Herbst, 1790)**

CREMASTOCHEILINI

Labium $\frac{1}{2}$ to $\frac{3}{4}$ as wide as head.

Maxillary galea and lacinia usually dentate.

Antenna with scape conspicuously enlarged into flattened, triangular shape.

Middle coxae never separated by a broad protrusion.

Body form usually subquadrate, flattened dorsally.

10 New World genera
Key to genera: Krikken 1976

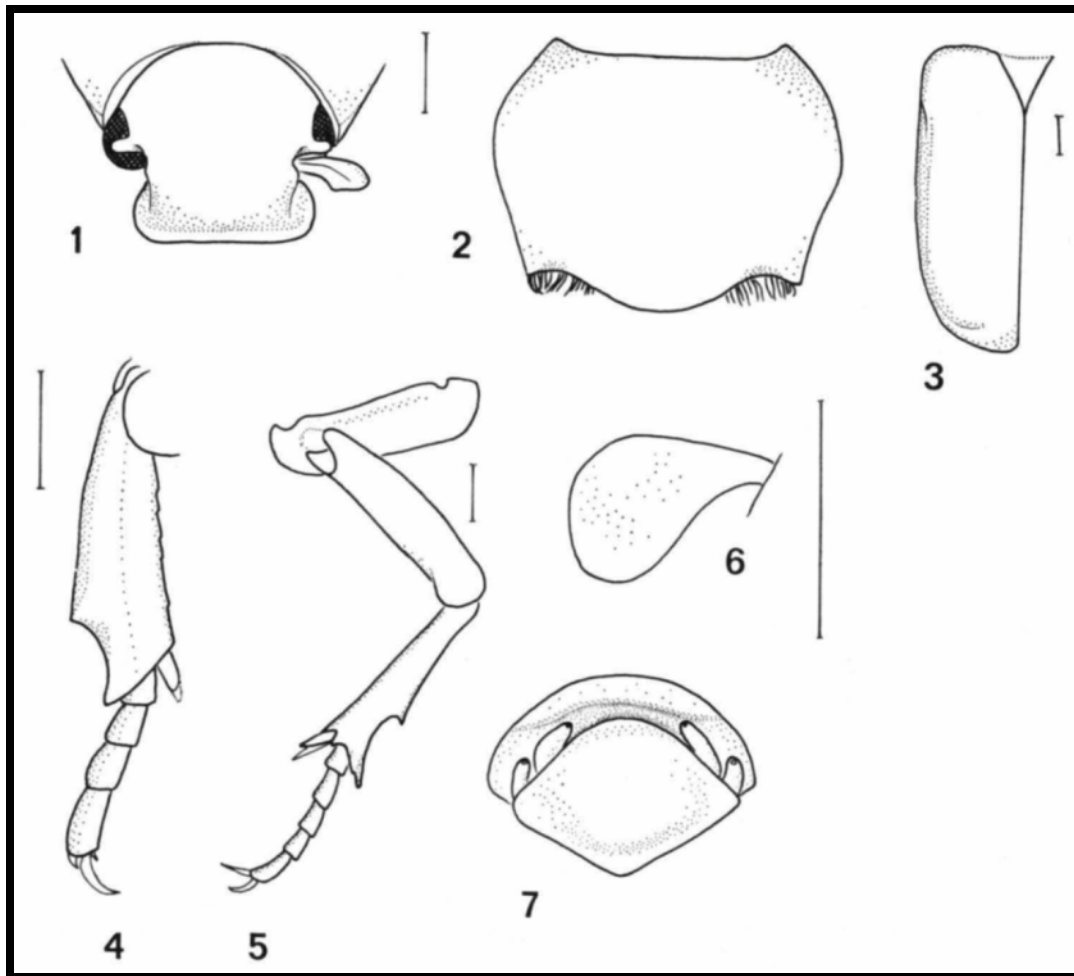
51 genera worldwide



Centrocheilus Krikken, 1976

Mexico - 1 species

Last synopsis: Krikken 1976



Centrocheilus howdeni Krikken, 1976





Cremastocheilus mexicanus
Schaum, 1841

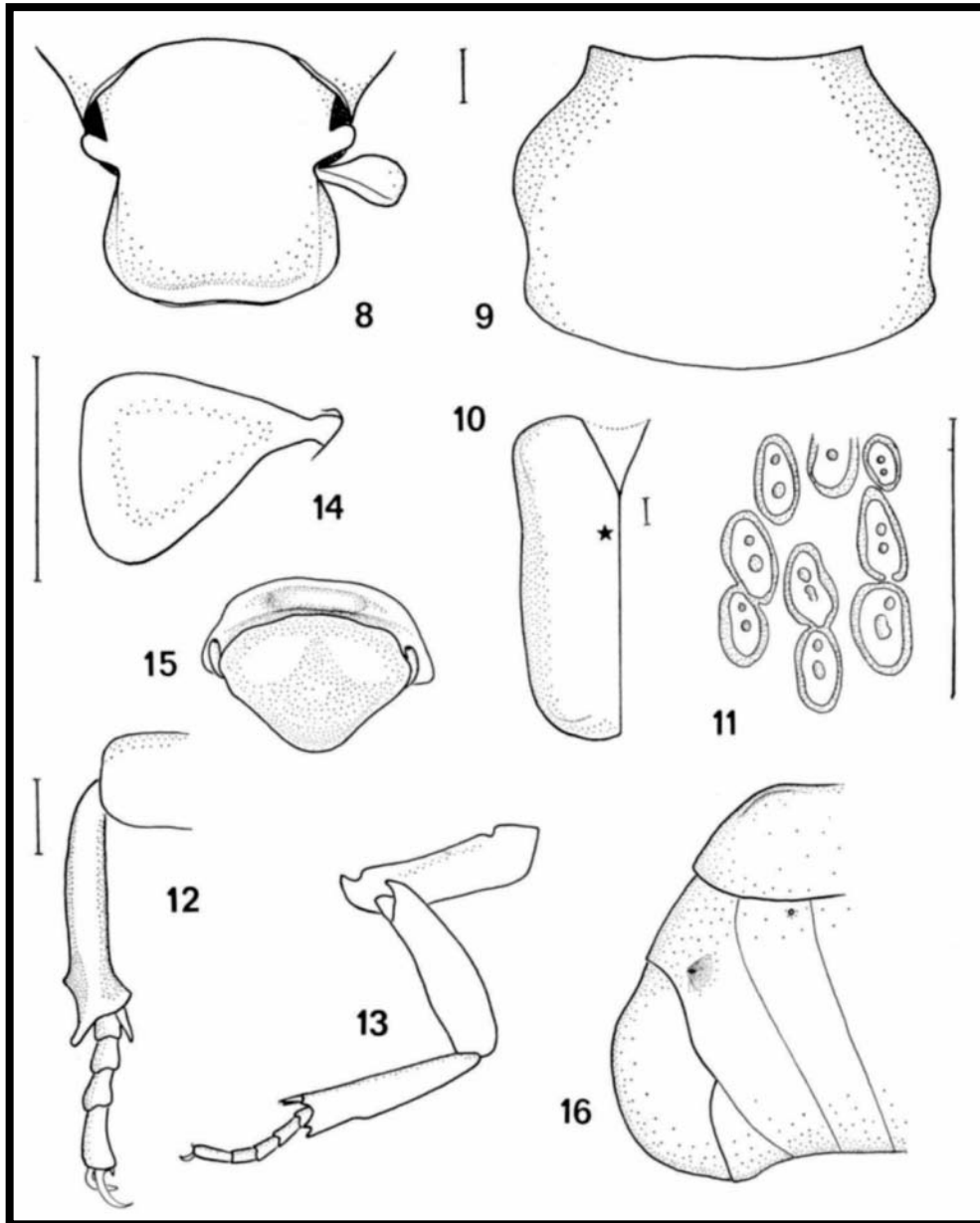
Cremastocheilus **Knoch, 1801**

North America - 45 species

**Last synopsis: Mynhardt and
Wenzel 2010**



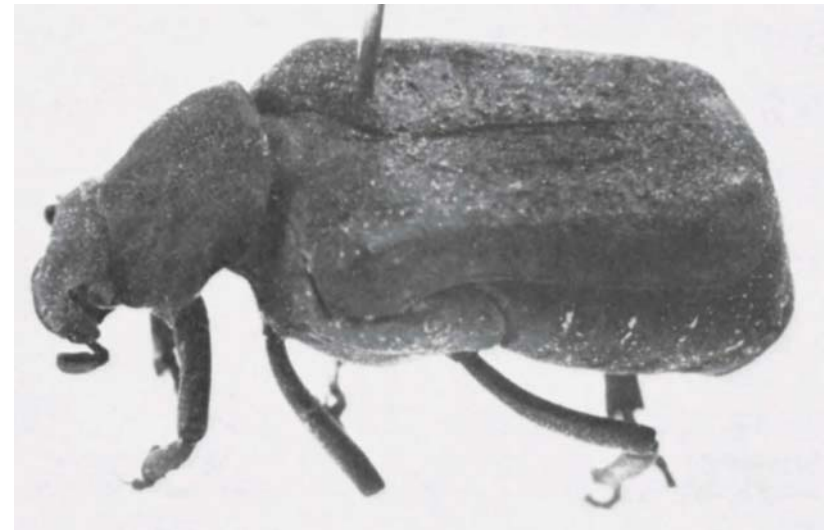
Cremastocheilus angularis
LeConte, 1857



Cyclidiellus Krikken, 1976

Brazil - 1 species

Last synopsis: Krikken 1976



Cyclidiellus velutinus Westwood, 1874

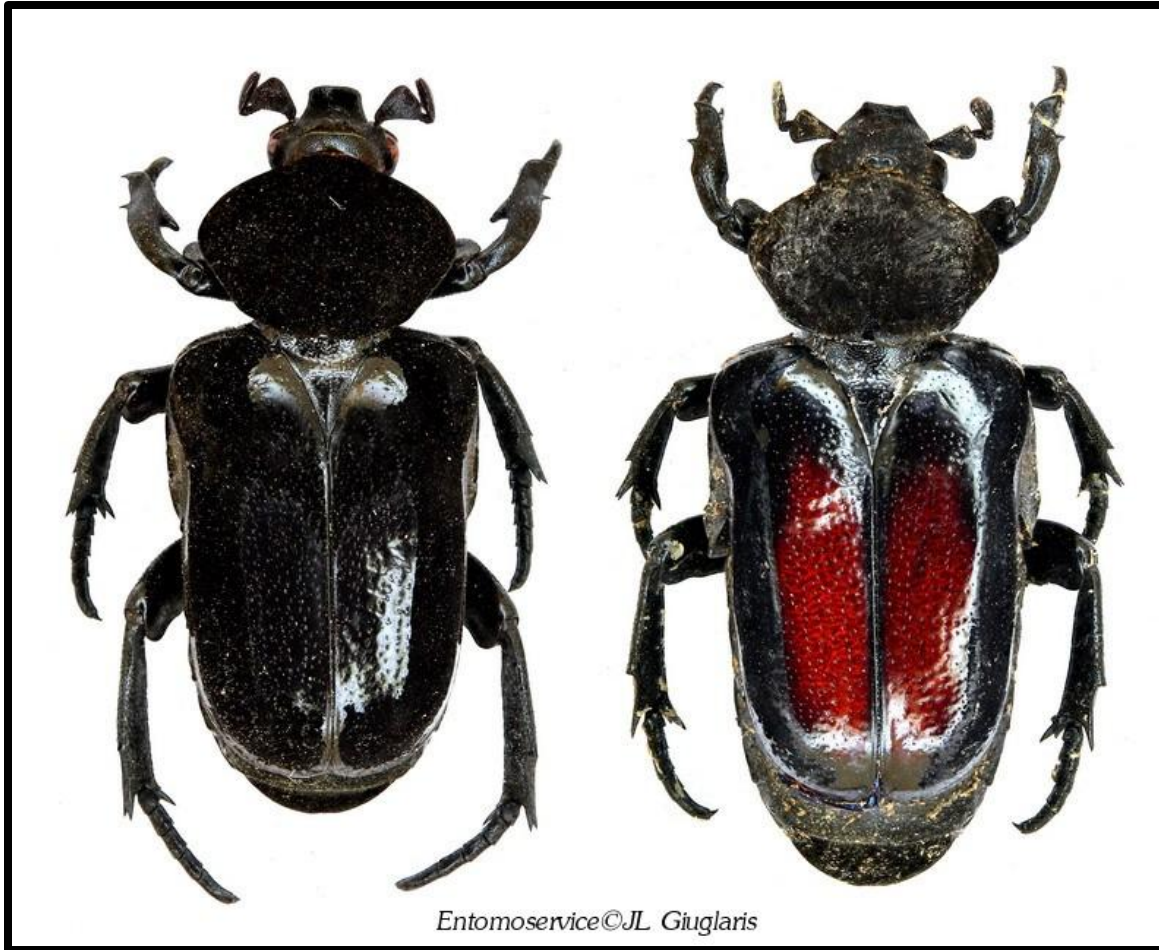
Cyclidinus
Westwood, 1873

South America - 1 species

Last synopsis: None

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***Cyclidinus lugubris* Westwood, 1873**



Entomoservice©JL Giuglaris

***Cyclidius elongatus* (Olivier, 1789)**

***Cyclidius*
MacLeay, 1838**

South America - 6 species

Last synopsis: None

Genuchinus **Westwood, 1873**

**Southern USA to Brazil & Peru –
9 species**

Last synopsis: Krikken 1981



***Genuchinus ineptus* Horn, 1885**





Lissomelas
Bates, 1889

Arizona, USA & Mexico - 1 species

Last synopsis: None

***Lissomelas flohri* Bates, 1889**

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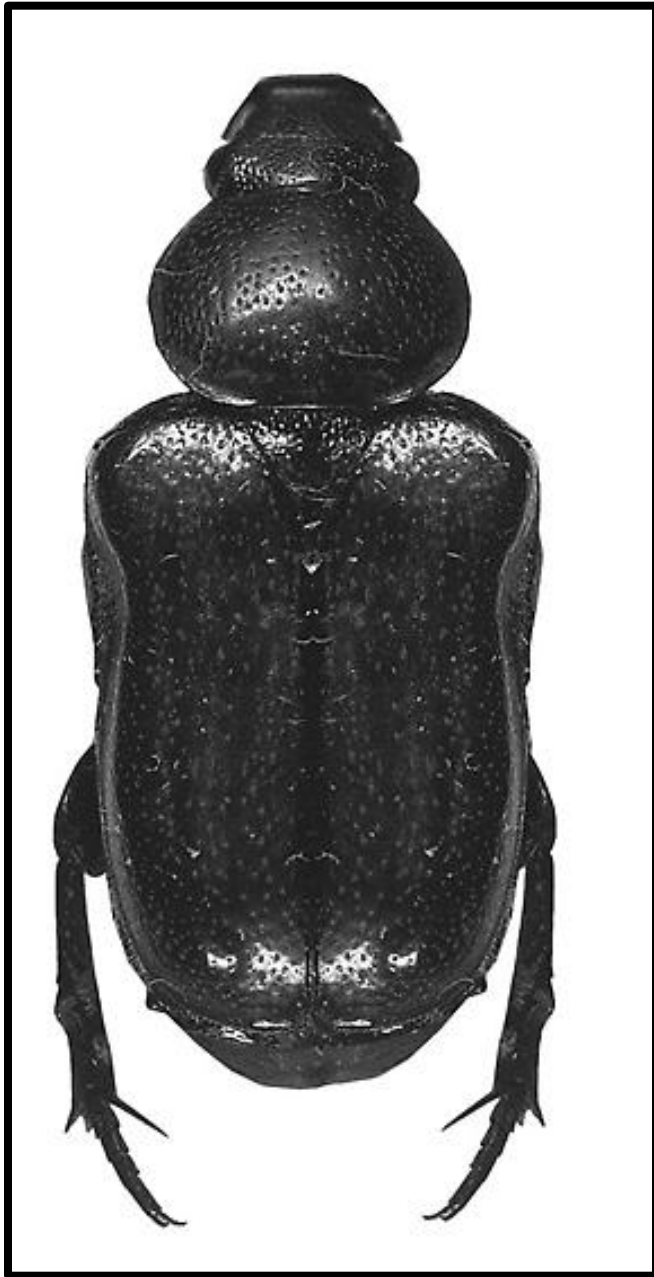
Paracyclidius
Howden, 1971

Trinidad & Panama - 1 species

Last synopsis: Howden 1971

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***Paracyclidius bennetti* Howden, 1971**



Psilocnemis
Burmeister, 1842

Southeastern USA - 1 species

Last synopsis: None



***Psilocnemis leucosticta* Burmeister, 1842**

TRICHIINI

Procoxae projecting conically.

Pronotum evenly convex or with weakly impressed midline or pre-discal impression.

Mandibles either weakly or strongly sclerotized.

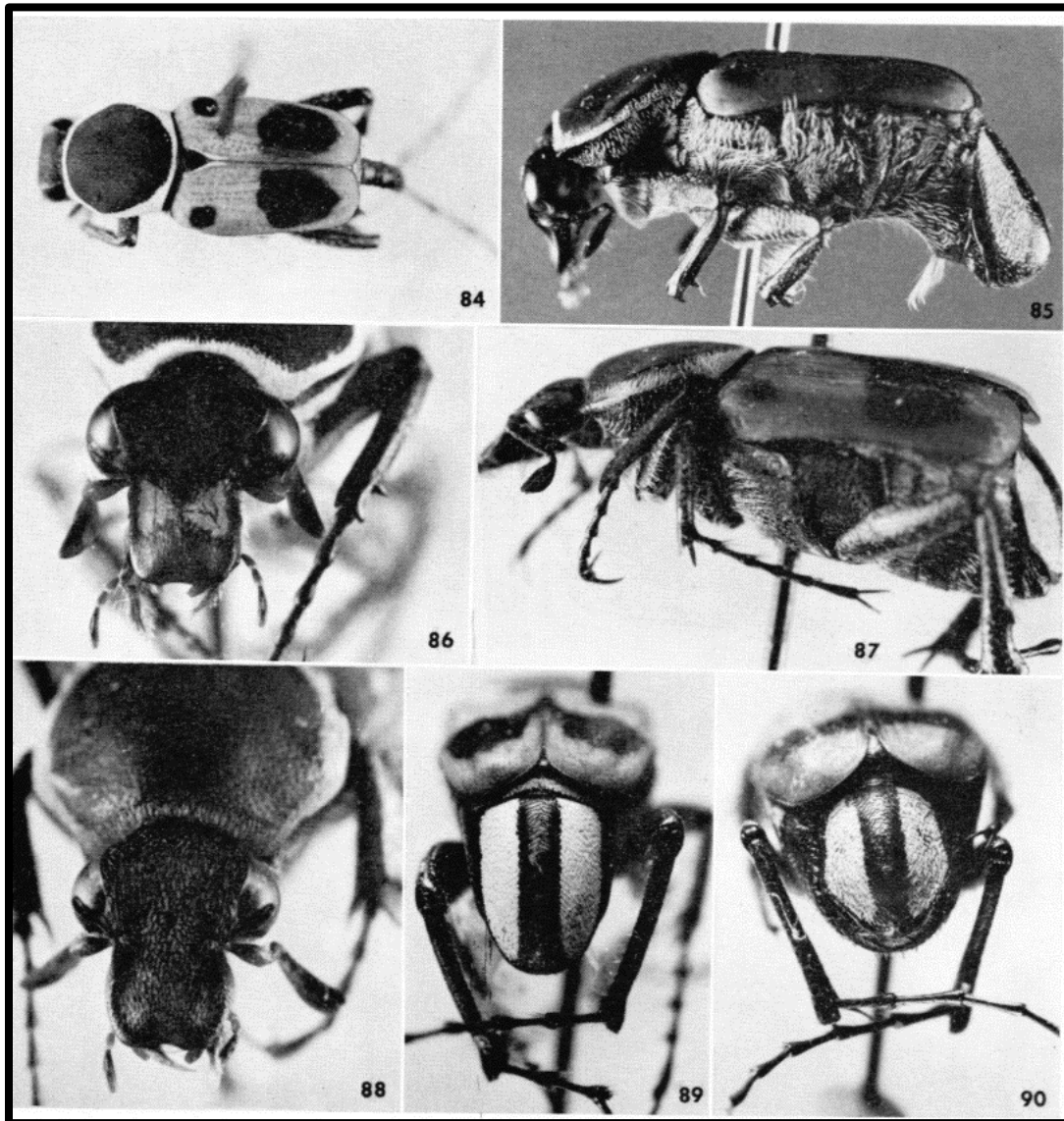
Protibia with 1-3 teeth.

Dorsum uniformly dark brown or black or bicolored or with cretaceous spots or bands or metallic.

13 New World genera
Key to genera: Howden 1968

43 genera worldwide



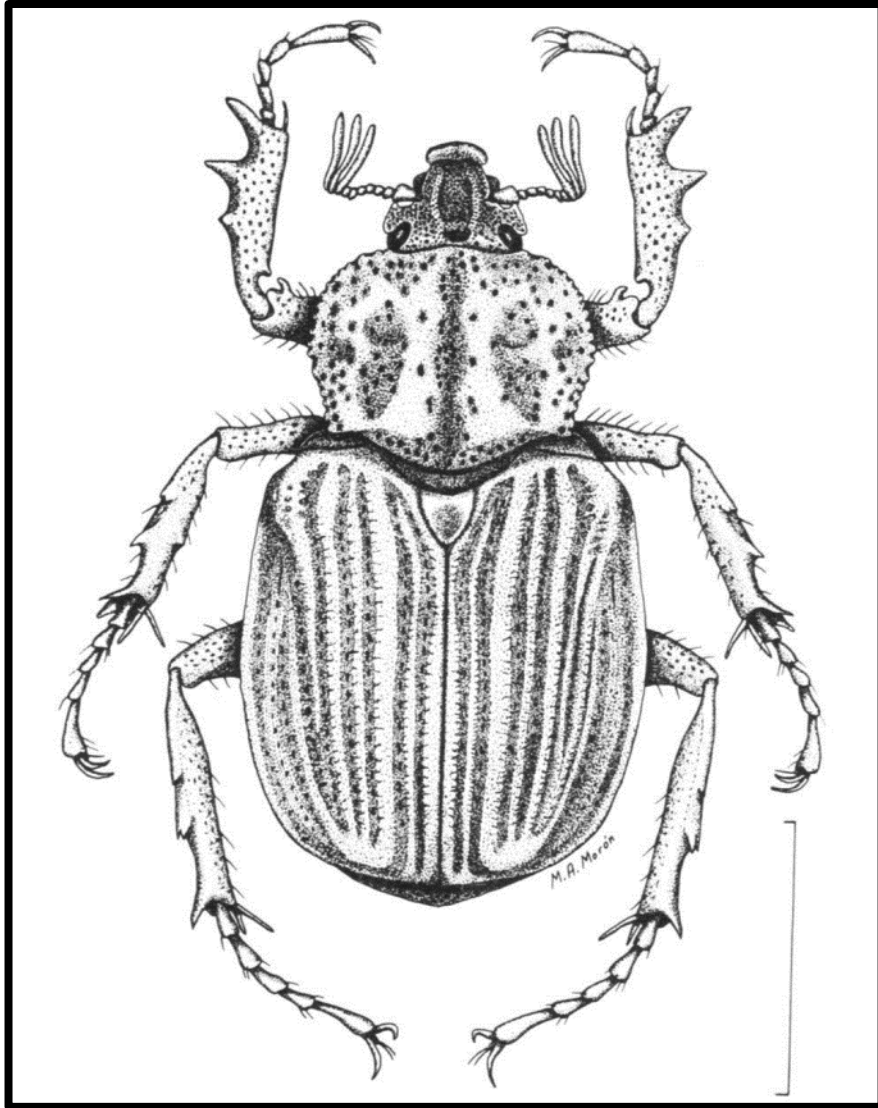


Apeltastes Howden, 1968

Mexico - 2 species

Last synopsis: Howden 1968

Apeltastes elongata Howden, 1968



Archedinus
Morón &
Krikken, 1990

Mexico - 2 species

Last synopsis: Morón & Krikken 1990

Archedinus relictus
Morón & Krikken, 1990

Coelocratus
Burmeister & Schaum, 1841

Brazil - 1 species

Last synopsis: None

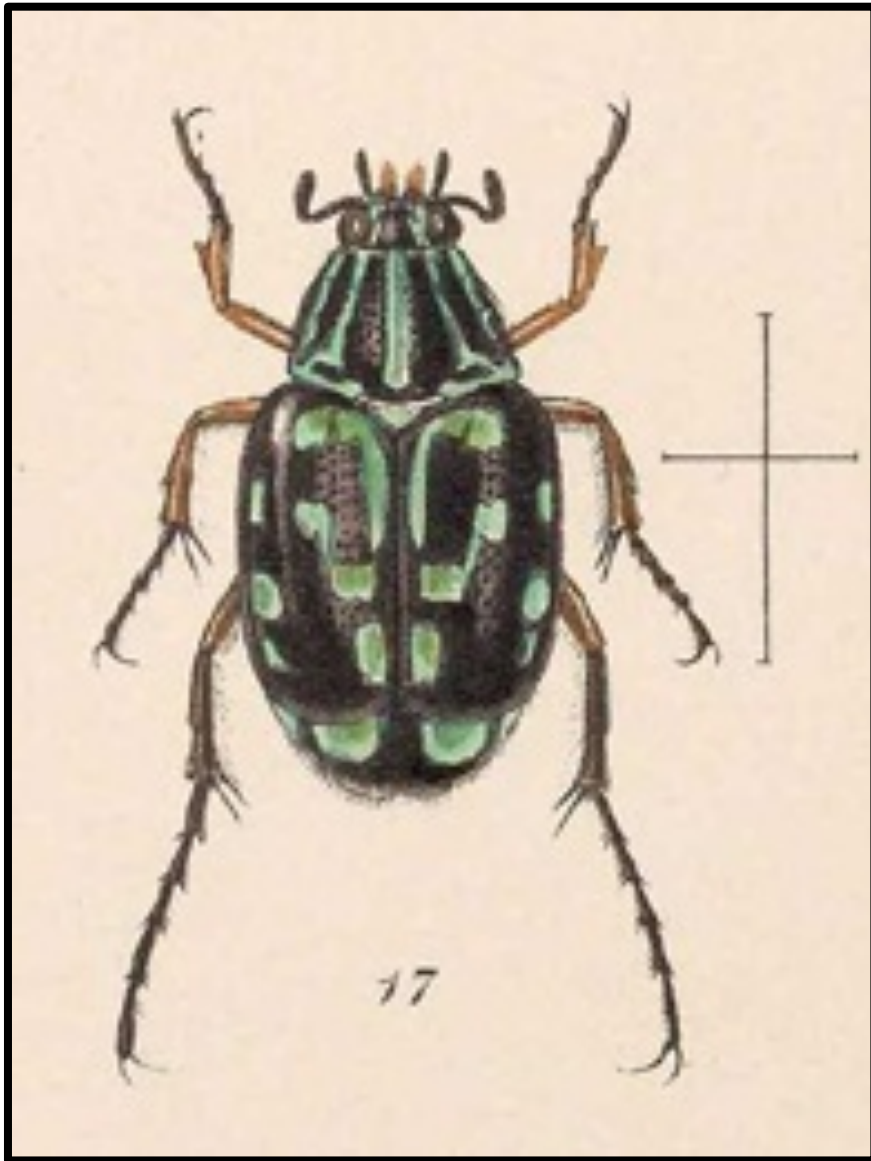
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***Coelocratus rufipennis* (Gory & Percheron, 1833)**

Dialithus
Parry, 1842

Mexico to Panama - 2 species

Last synopsis: None

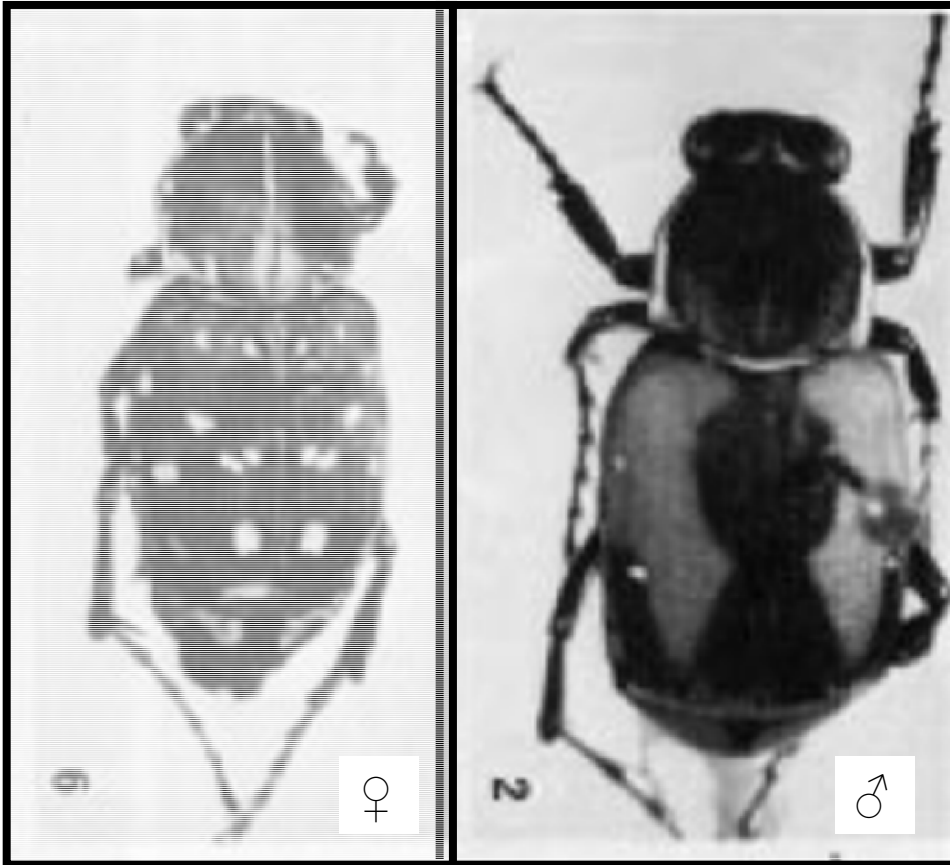


***Dialithus magnificus* Parry, 1849**

Giesbertiolus Howden, 1988

Costa Rica & Panama - 3 species

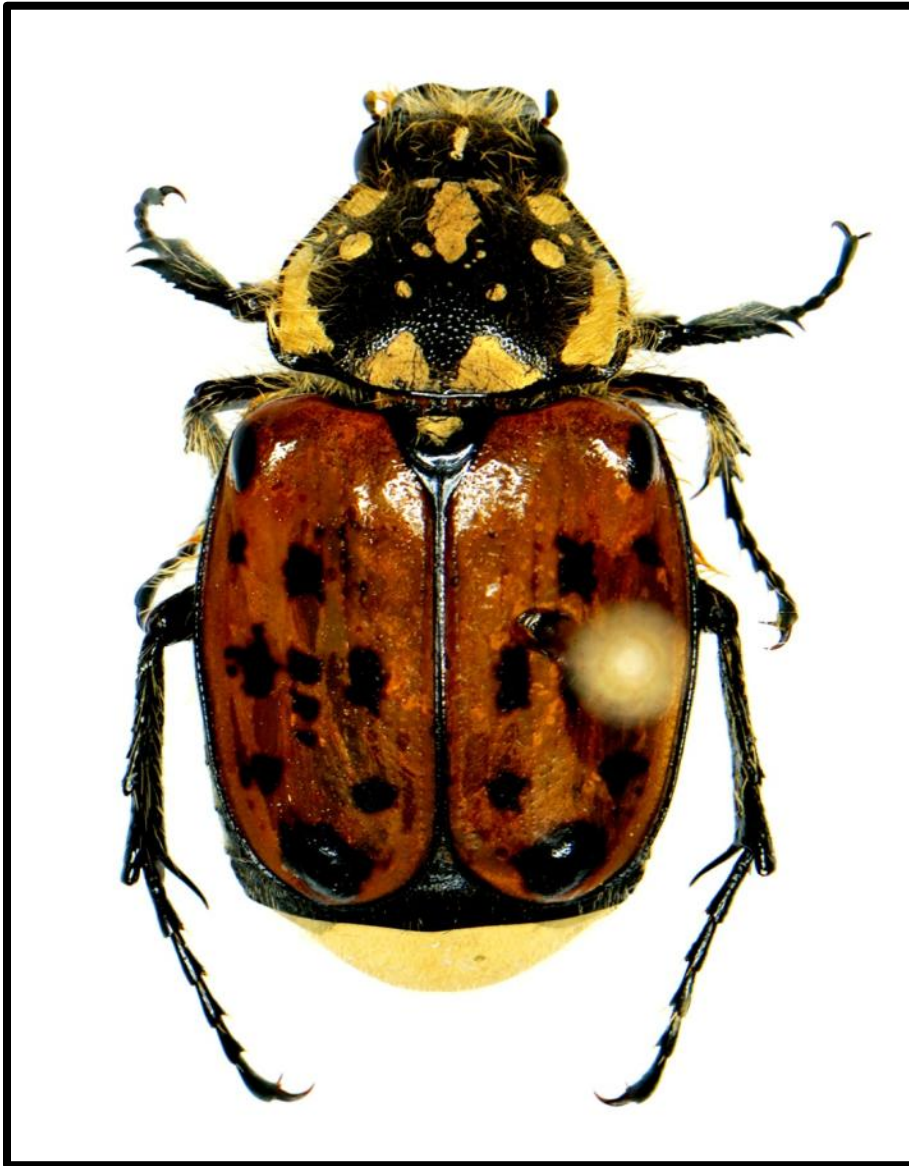
Last synopsis: Howden 1988



Giesbertiolus ornatus Howden, 1988



Giesbertiolus linnaei Krikken, 2008

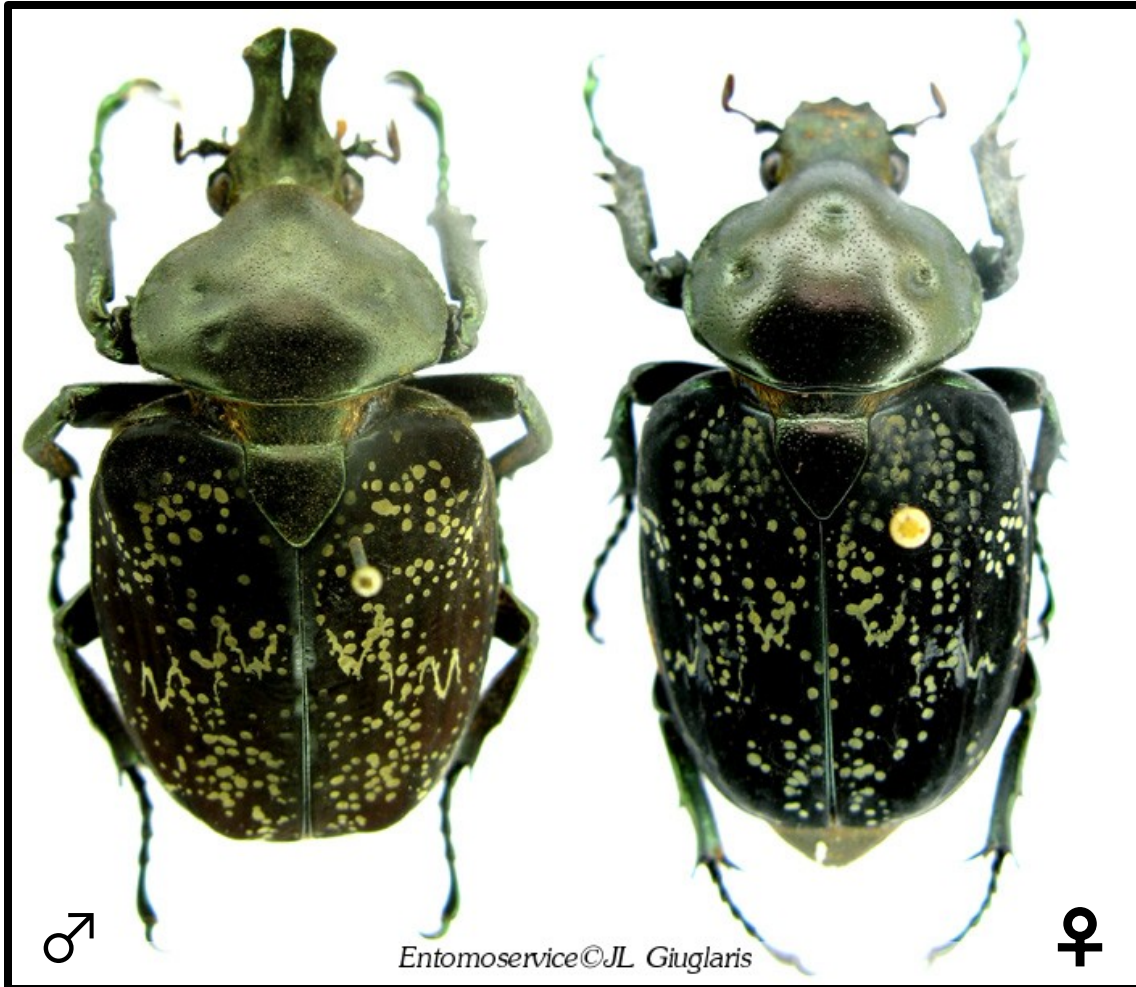


Gnorimella
Casey, 1915

North America - 1 species

Last synopsis: Howden 1968

***Gnorimella maculosa* (Knoch, 1801)**



Golinca
Thomson, 1878

South America - 2 species

Last synopsis: None

***Golinca bifrons* (Olivier, 1879)**



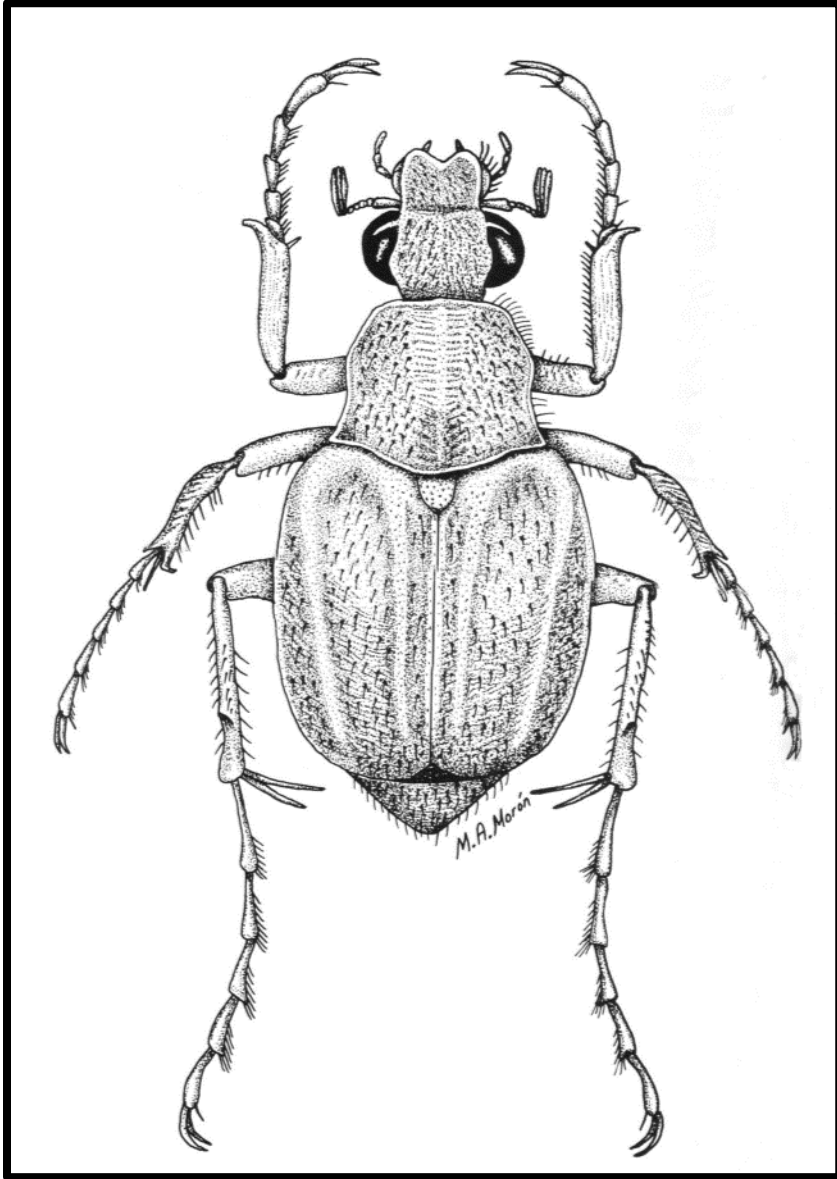
Inca
LePeletier & Serville,
1825

Central and South America - 2 species

Last synopsis: Howden 1968



***Inca clathrata* (Olivier, 1792)**

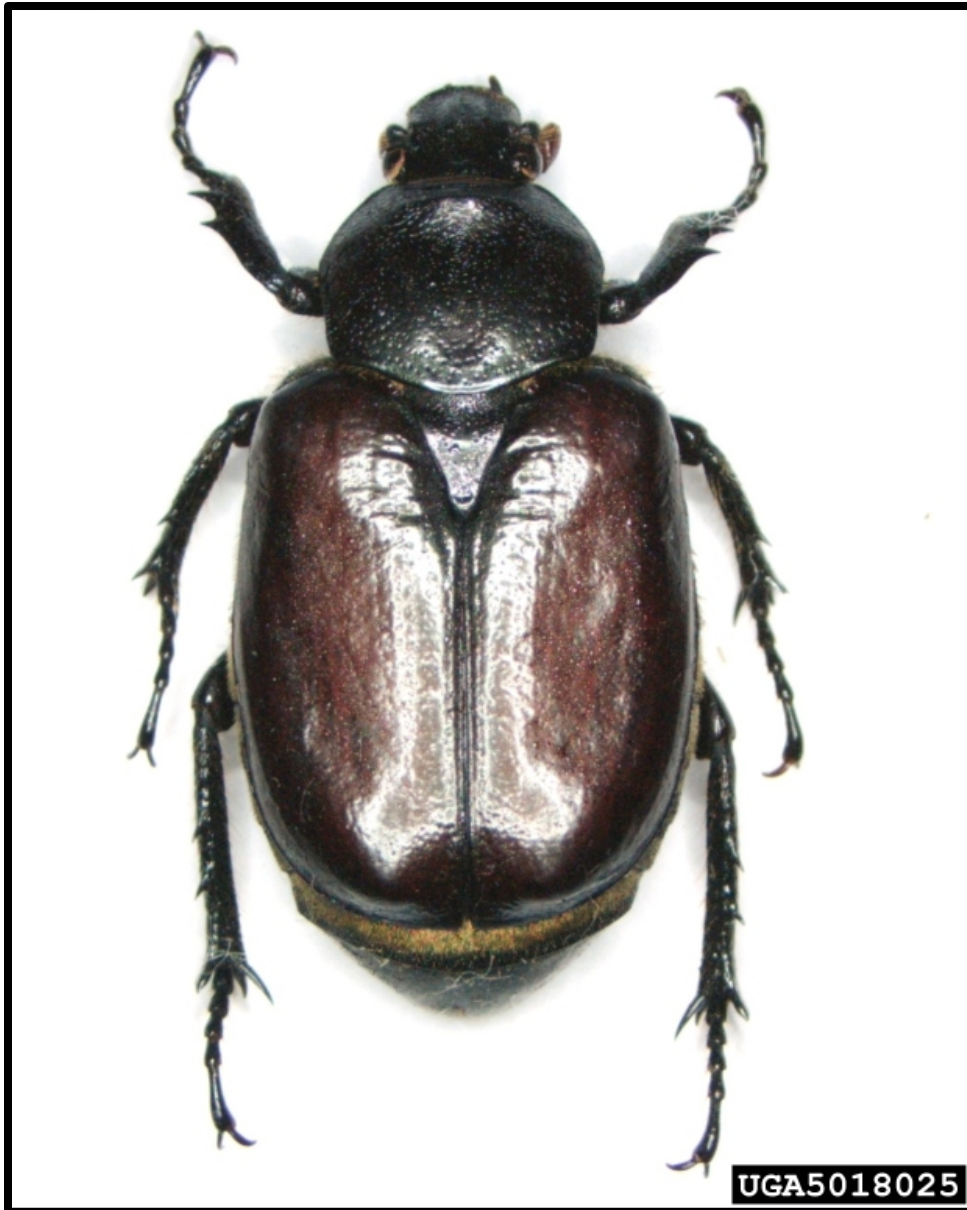


Iridisoma
Delgado-Castillo &
Morón, 1991

Mexico - 2 species

Last synopsis: Delgado-Castillo &
Morón 1991

Iridisoma acahuizotlensis
Delgado-Castillo & Morón, 1991



Osmoderma eremicola
(Knoch, 1801)

Osmoderma **LePeletier &** **Serville, 1842**

North America - 3 species

Last synopsis: Howden 1968



Osmoderma scabra
(Palisot de Beauvois, 1807)



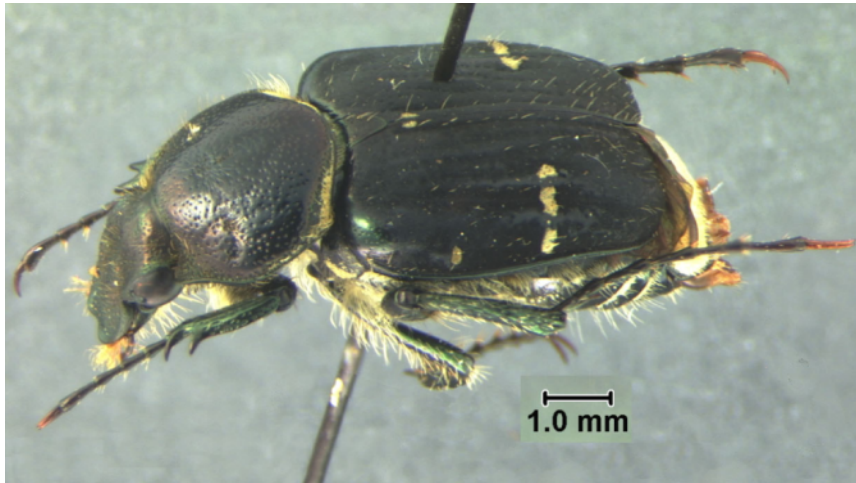
Pantodinus
Burmeister, 1847

Guatemala - 1 species

Last synopsis: Howden 1968



***Pantodinus klugi* Burmeister, 1847**



Paragnorimus atratus
Smith, 2010



Paragnorimus howdeni
Smith, 2010



Paragnorimus hondurensis
Smith, 2010

Paragnorimus **Becker, 1910**

(= *Peltotrichius* Howden, 1968)

Mexico to Nicaragua - 9 species

Last synopsis: Smith 2010



Trichiotinus piger (F., 1775)



Trichiotinus assimilis Kirby, 1837

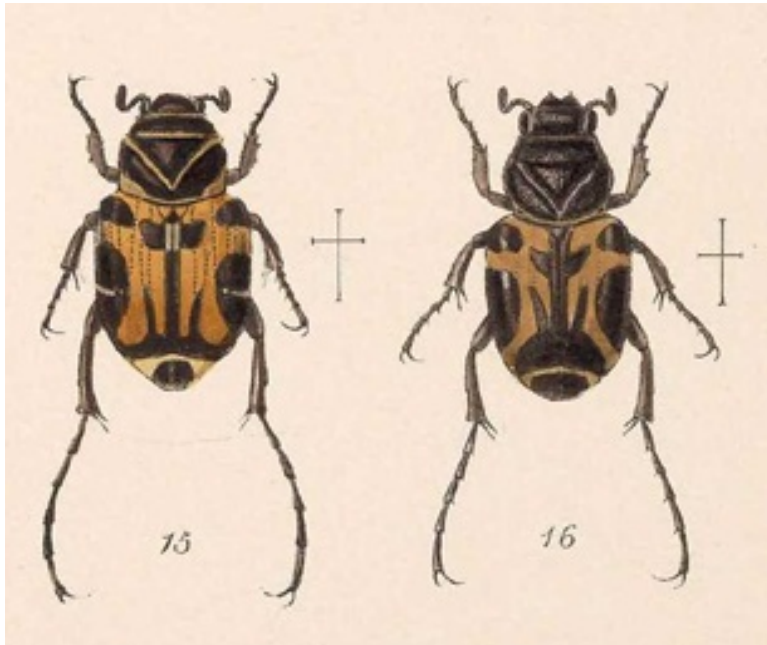
Trichiotinus Casey, 1915

North America - 8 species

Last synopsis: Howden 1968



Trichiotinus lunulatus (F., 1775)

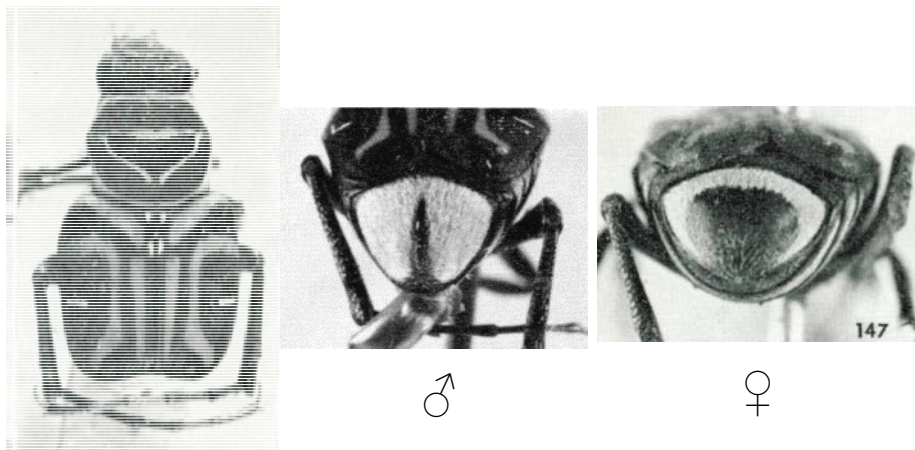


Trigonopeltastes Burmeister, 1840

North to South America - 20 species

Last synopsis: Howden 1968

Trigonopeltastes sallaei Bates, 1889



Trigonopeltastes geometrica
Schaum, 1841



Trigonopeltastes delta Forster, 1771

VALGINI

Antennal insertions visible from above.

Pronotum narrower than elytra and usually with 2 distinct, parallel, longitudinal ridges.

Posthumeral elytral emargination absent.

Mesepimeron not visible in dorsal view.

Propygidium and pygidium exposed.

Metacoxae widely separated.

Protibia with 5 teeth.

2 New World genera

Key to genera: Jameson and Swoboda 2005

33 genera worldwide





***Dasyvalgus* Kolbe, 1904**

Mexico - 1 species

Last synopsis: Jameson and Swoboda
2005

***Dasyvalgus mexicanus*
(Cazier, 1937)**

Valgus Scriba, 1790

Canada to Mexico - 4 species

Key to species: Jameson and Swoboda 2005

V. californicus
Horn, 1870



♂



♀



♂



♀

V. canaliculatus
(Olivier, 1789)

V. hemipterus
L., 1758



♂



♀



♂



♀

V. seticollis
(Palisot de Beauvois,
1807)

COLLECTING CETONIINES



COLLECTING CETONIINES



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