

TARC Report

The Platypodidae (Coleoptera) of the Philippines

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The Platypodidae consists of more than a thousand species in the world as far as we know, and most species are distributed in the tropical and subtropical region. The fauna of the Philippine Platypodidae is composed of 74 species belonging to eight genera.^{1-4, 6-11)} Adults are readily distinguished from the Scolytidae by their larger size, slender and cylindrical bodies; their large exerted heads; rounded and convex eyes; the very long slender tarsus, with the first tarsal segment longer than the second to fifth combined; and the freely articulated sternites.

All members of this family are xylo-mycetophagous ambrosia beetles, with a monogamous social organization. The chief damage by these beetles is due to the black-stained galleries (pin-holes) made deeply in the sapwood or heartwood of trees felled for timber. Their damage to green logs are more severe than scolytid ambrosia beetles, because they make usually broader and deeper tunnels into wood. In this paper, I deal a key to genera and a check list of Platypodidae with the literature of their original descriptions from the Philippines. This work is the second part of the study on the Philippine ambrosia beetles as the sequel to the Scolytidae⁵⁾ and was done when I stayed in the College of Forestry, University of Philippines at Los Baños as a visiting scientist sent by the Tropical Agriculture Research Center in 1978. Thanks are due to the Dean of College and his staffs for kind assistance extended to this study.

Key to Philippine subfamilies of Platypodidae

1. Antennal funicles 4-segmented. Pronotum with a median sulcus 2
Antennal funicles 2-segmented. Pronotum without median sulcus .. Platytarsilinae
2. Fore coxae widely separated from each other at base; outer face of fore tibiae marked by a variable number of transverse carinae in both sexes Diaporinae
Fore coxae approximated contiguous at base 3
3. Eyes rounded to short oval, strongly convex 4
Eyes elongate, weakly convex; outer face of fore tibiae marked by a variable number of transverse carinae in both sexes Periommatinae
4. Outer face of fore tibiae marked by a variable number of transverse carinae in male; in female the carina reduced, at least partly replaced by granules.....
..... Crossotarsinae
Outer face of fore tibiae similarly carinae in both sexes Platypodinae

Key to Philippine genera of subfamily Crossotarsinae

1. Femoral grooves of pronotum angulate at anterior extremity, gently rounded behind *Crossotarsus* Chapuis
Femoral grooves of pronotum not angulate at anterior extremity, the posterior ex-

tremity angulate or marked by a small tooth *Trachyostus* Schedl

Key to Philippine genera of subfamily Platypodinae

1. Elytra of the male usually at least weakly declivous toward apex, rarely longitudinally horizontal and then provided with a vertical apical rim. . . . *Platypus* Herbst
Elytra, at least in male, longitudinally horizontal and not provided with a distinct vertical apical rim *Baiocis* Browne

In subfamily Periommatinae, a single genus *Spathidicerus* Chapuis has been found from the Philippines.

Key to Philippine genera of subfamily Diaporinae

1. Antennae inserted in discal and lower part of eyes in both sexes; scutellum usually sunk *Diapus* Chapuis
Antennae inserted in discal and lower part of eyes in male, but inserted in discal upper part of median level of eyes in female; scutellum large, elevated
..... *Genyocerus* Motschulsky

In subfamily Platytarsilinae, a single genus *Platytarsus* Schedl has been found from the Philippines.

A Check List of Philippine Platypodidae

Subfamily Crossotarsinae
Genus *Crossotarsus* Chapuis

- Section *Crossotarsi genuini*
Crossotarsus cincinatus Chapuis: *Monographie des Platypides*, 57 (1865).
Crossotarsus comatus Chapuis: *Monographie des Platypides*, 59 (1865).
Crossotarsus laratensis Beeson: *Ind. For. Rec., N. S.*, (3) 3, 56 (1937).
Crossotarsus lecontei Chapuis: *Monographie des Platypides*, 60 (1865).

- Crossotarsus mniszehi* Chapuis: *Monographie des Platypides*, 62 (1865).
Crossotarsus palatus Beeson: *Ind. For. Rec., N. S.*, (3) 3, 55 (1937).
Crossotarsus piceus Chapuis: *Monographie des Platypides*, 56 (1865).

Section *Crossotarsi ventricorni*

- Crossotarsus flavomaculatus* Strohmeier: *Ent. Mitt.*, 1, 40 (1912).

Section *Crossotarsi coleoprati*

- Crossotarsus squamulatus* Chapuis: *Monographie des Platypides*, 87 (1865).
Crossotarsus squamulatus fractus Sampson: *Ann. Mag. Nat. Hist.*, (8) 10, 249 (1912).
Crossotarsus squamulatus rastellus Beeson: *Ind. For. Rec., N. S.*, (3) 3: 82 (1937).
Crossotarsus terminatus Chapuis: *Monographie des Platypides*, 85 (1865).
Crossotarsus tribuarius Schedl: *J. Fed. Mal. St. Mus.*, 18, 358 (1939).

Section *Crossotarsi alternante-depressei*

- Crossotarsus octocostatus* Schedl: *Philip J. Sci.*, 56, 398 (1935).

Section *Crossotarsi subdepressi*

- Crossotarsus externe-dentatus* (Fairmaire): *Rev. et Mag. de Zool.*, 2, 51 (1850).
Crossotarsus saltator Schedl: *Philip. J. Sci.*, 57, 480 (1935).

Section *Crossotarsi incertae sedis*

- Crossotarsus concavifrons* Schedl: *Philip. J. Sci.*, 56, 399 (1935).

Genus *Trachyostus* Schedl

- Trachyostus parvus* Browne: *Philip J. Sci.*, 89, 213 (1960).

Genus *Platypus* Herbst

- Section *Platypi hirtelli*
Platypus curtus Chapuis: *Monographie des Platypides*, 261 (1865).
Platypus perrisi Chapuis: *Monographie des Platypides*, 260 (1865).

Section *Platypi antennati*

Platypus excedens Chapuis: *Monographie des Platypides*, 276 (1865).

Platypus nocuus Schedl: *Philip. J. Sci.*, 57, 487 (1935).

Section *Platypi sulcati*

Platypus geminatus Chapuis: *Monographie des Platypides*, 239 (1865).

Platypus jansonii Chapuis: *Monographie des Platypides*, 244 (1865).

Platypus lozonicus Schedl: *Philip. J. Sci.*, 57, 485 (1935).

Platypus setaceus Chapuis: *Monographie des Platypides*, 234 (1865).

Platypus tenellus Schedl: *Philip. J. Sci.*, 57, 485 (1935).

Platypus hybridus Schedl: *Philip. J. Sci.*, 56, 395 (1935).

Platypus spectabilis Schedl: *Philip. J. Sci.*, 56, 396 (1935).

Section *Platypi emarginati*

Platypus deflectus Schedl: *Ent. Ber.*, 10, 355 (1941).

Platypus ptochoides Schedl: *Kontyû*, 38, 367 (1970).

Section *Platypi oxyuri*

Platypus artesolidis Schedl: *Kol.-forstl. Mitt.*, 5, 200 (1942).

Platypus hirtus Schedl: *Ent. Arab., Mus. Frey*, 6, 310 (1955).

Platypus oneratus Schedl: *Kontyû*, 38, 366 (1970).

Platypus solidus Walker: *Ann. Mag. Nat. Hist.*, (3) 2, 286 (1858).

Section *Platypi semidepressi*

Platypus inutilis Schedl: *Philip. J. Sci.*, 57, 479 (1935).

Platypus schultzeanus Schedl: *Ent. Abh. Mus. Tierk. Dresden*, 35, 98 (1967).

Section *Platypini lunati*

Platypus andrevesi (Strohmeyer): *Ent. Bl.*, 6, 128, 131 (1910).

Platypus subdepressus (Schedl): *Philip. J. Sci.*, 56, 397 (1935).

Platypus tayabasi (Schedl): *Philip. J. Sci.*,

57, 481 (1935).

Section *Platypi sulcato-striati*

Platypus philippinensis Blandford: *Trans. ent. Soc. London*, 193 (1896).

Section *Platypi signati*

Platypus transformis Schedl: *J. Fed. Mal. St. Mus.*, 18, 16 (1936).

Section *Platypi cupulati*

Platypus agnatus Schedl: *Kontyû*, 37, 217 (1969).

Platypus biuncus Blandford: *Trans. ent. Soc. London*, 194 (1896).

Platypus caliculus Chapuis: *Monographie des Platypides*, 280 (1865).

Platypus cavus Strohmeyer: *Ent. Bl.*, 7/8, 162 (1913).

Platypus cupulatus Chapuis: *Monographie des Platypides*, 278 (1865).

Platypus forficula Chapuis: *Monographie des Platypides*, 283 (1865).

Platypus lepidus Chapuis: *Monographie des Platypides*, 282 (1965).

Platypus noonadanae Browne: *Ent. Medd.*, 34, 237 (1966).

Platypus pallidus Chapuis: *Monographie des Platypides*, 284 (1865).

Platypus pseudocupulatus Schedl: *J. Fed. Mal. St. Mus.*, 17, 635 (1935).

Section *Platypi truncatipenni*

Platypus fallax Schedl: *Kontyû*, 38, 367 (1970).

Section *Platypi pseudospinulosi*

Platypus sexporus (Schedl): *Philip. J. Sci.*, 57, 484 (1935).

Platypus ornaticeps (Schedl): *Philip. J. Sci.*, 56, 401 (1935).

Section *Platypi inaequali-costati*

Platypus shoreanus bifurcus (Schedl): *Philip. J. Sci.*, 67, 422 (1938).

Platypus shoreanus mutilus Schedl: *J. Fed. Mal. St. Mus.*, 18, 359 (1939).

Section *Platypi quadrifissi*

Platypus calignosus Schedl: *Ann. Mus. Civ.*

Genova, 59, 58 (1936).

Platypus quadrifissilis Schedl: *Ann. Mus. Civ. Genova*, 59, 57 (1936).

Section *Platypi adjuncti*

Platypus coleopratus (Schedl): *Philip. J. Sci.*, 56, 400 (1935).

Platypus loricatus (Sampson): *Ann. Mus. Civ. St. Nat.*, 51, 71 (1923).

Genus *Baiocis* Browne

Baiocis anaticeps (Schedl): *Kontyû*, 37, 207 (1969).

Baiocis inimicus (Schedl): *Philip. J. Sci.*, 57, 482 (1935).

Baiocis pernanulus (Schedl): *Philip. J. Sci.*, 57, 482 (1935).

Subfamily Periommatinae

Genus *Spathidicerus* Chapuis

Spathidicerus philippinensis Schedl: *Kol.-forstl. Mitt.*, 5, 216 (1942).

Subfamily Diaporinae

Genus *Genyocerus* Motschulsky

(= *Diacavus* Schedl)

Genyocerus abdominalis (Schedl): *Kol.-forstl. Mitt.*, 5, 218 (1942).

Genyocerus biporus (Schedl): *Kol.-forstl. Mitt.*, 5, 217 (1942).

Genyocerus compactus (Schedl): *Kontyû*, 34, 40 (1966).

Genyocerus decemspinatus (Schedl): *Kol.-forstl. Mitt.*, 5, 216 (1942).

Genyocerus multiporus (Schedl): *Philip. J. Sci.*, 60, 67 (1936).

Genyocerus philippinensis (Schedl): *Kol.-forstl. Mitt.*, 5, 216 (1942).

Genyocerus tenellus (Schedl): *Kontyû*, 34, 42 (1966).

Genus *Diapus* Chapuis

Diapus pendleburyi Schedl: *J. Fed. Mal. St. Mus.*, 18, 18 (1936).

Diapus plumatus Schedl: *Philip. J. Sci.*, 60, 66 (1936).

Diapus pusillimus Chapuis: *Monographie des Platypides*, 335 (1865).

Diapus quadrispinosus Schedl: *Kontyû*, 37,

218 (1969).

Diapus quinquespinatus Chapuis: *Monographie des Platypides*, 334 (1865).

Subfamily Platytarsilinae

Genus *Platytarsulus* Schedl

Platytarsulus elongatus Schedl: *Kol.-forstl. Mitt.*, 5, 215 (1942).

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(Received for publication, October 17, 1984)