

# First Record of the Family Passandridae in Korea (Coleoptera: Cucujoidea)

PARK, Jong-Seok, Kwang-Mo YANG and Kee-Jeong AHN\*

Department of Biology, Chungnam National University, Daejeon 305-764, Korea

**ABSTRACT** A taxonomic study of the Korean Passandridae is presented. The family, genus and species (*Ancistria apicalis* Reitter) are reported for the first time in Korea. Comparison with a lectotype was made. An illustration of the habitus and line drawings of diagnostic characters are provided.

**Key words** : Taxonomy, Coleoptera, Cucujoidea, Passandridae, *Ancistria apicalis*, Korea

## Introduction

The beetle family Passandridae Erichson contains nine genera and about 105 species, and is worldwide in distribution except for West Palaearctic and New Zealand (Thomas, 2002). The genus *Ancistria* Erichson comprises 32 species and most inhabits tropical region (Burckhardt and Slipinski, 1995). The biology of *Ancistria* species are mostly unknown but probably a ectoparasite of other wood-inhabiting insects (Thomas, 2002).

Members of the Passandridae are recognized by the combination of following characters: body elongate, parallel-sided, flattened or subcylindrical; dark or reddish brown; head prognathous, confluent gular sutures, expanded genae; antennae with 10 or 11 articles and pubescent, usually moniliform, rarely clubbed; pronotum quadrate, as wide as head; procoxal cavity small, rounded and opened; mesocoxal cavity closed; scutellum small; tarsal formula 5-5-5; femora and tibiae stout; abdomen with five visible sternites (Thomas, 2002).

In this paper we report the family, genus and species, *Ancistria apicalis* Reitter, for the first time in Korea. Also we present an illustration of the habitus and line drawings of diagnostic characters. Comparison with a lectotype deposited in the Natural History Museum

(NHM, London) was made in order to confirm the correct identification. Materials for this study are deposited in the Chungnam National University Insect Collection (CNUIC, Daejeon), Korea.

## Family Passandridae Erichson

대롱벌레과 (신칭)

### *Ancistria* Erichson, 1845

대롱벌레속 (신칭)

Type species: *Colydium retusum* Fabricius.

**Diagnosis.** Cylindrical, elongate. Head with median and ad-median grooves present. Fronto-clypeus depressed. Antennomere 1 expanded, sub-rounded, 2-5 small, 6-10 weakly dentate, 11 weakly rounded, largest. Pronotum distinctly longer than wide, widest in middle, basally margined. Elytra vertically striped, punctured. Legs with apical long spur present, proleg spur largest, curved apically, tarsus distinctly long (Burckhardt and Slipinski, 1995).

### *Ancistria apicalis* Reitter, 1889

대롱벌레 (신칭) (Figs. 1-4)

*Ancistria apicalis* Reitter, 1889: 314; Grouvelle, 1913: 479; Burckhardt and Slipinski, 1995: 1005.

*Ancistria fouqueti* Grouvelle, 1913: 481.

**Diagnosis.** Length 6.4-6.7 mm. Head, pronotum, antennae and legs black, weakly glossy; elytra and tarsus reddish brown. Head (Figs. 1 and 2) as wide as

\*Corresponding author

E-mail: kjahn@cnu.ac.kr, Tel: 82-42-821-5492

pronotum, rectangular, punctured; fronto-clypeal depression square, about 0.25 times as wide as fronto-clypeal width; median groove long and distinctly depressed, ad-median grooves short. Antennomere 1 oval and larger than 2-4; 2 smallest and rounded; 3 over 1.2 times longer than wide; 4 about 1.2 times longer than wide, 5 as long as wide; 6-10 flattened

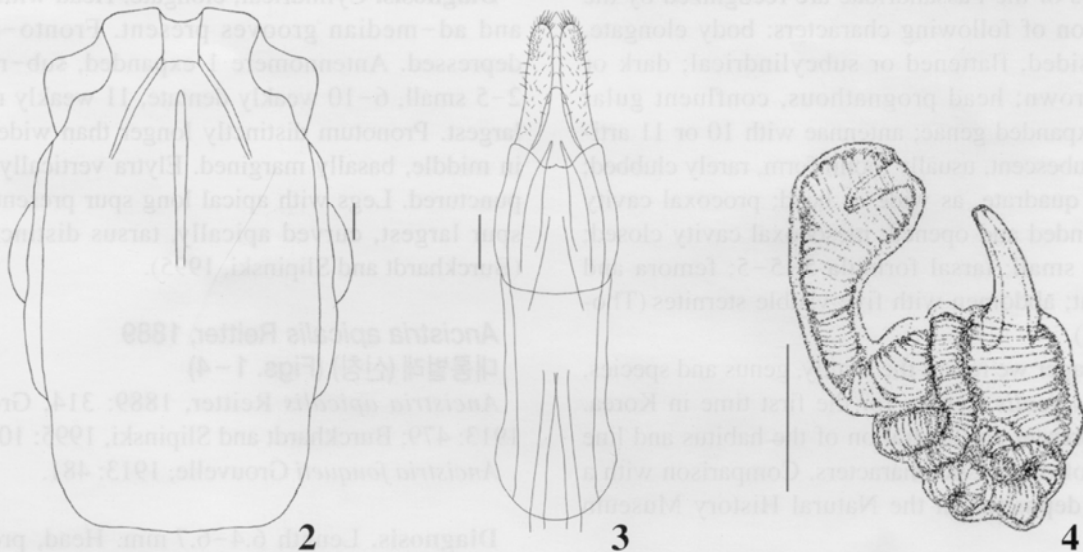


Fig. 1. *Ancistria apicalis*, habitus, 6.4 mm.

and dentate; 11 largest, rounded and micro-setae present apically. Mandible triangular and robust. Labium cordiform, many hairs present apically; ligula apparently absent. Pronotum about 1.8 times longer than wide. Tarsomere 1 longest, mesotarsomere 1 longer than pro-, metatarsomere 1. Elytra as wide as pronotum, 5 pairs vertical stripe present. Aedeagus as in Fig. 3. Spermatheca as in Fig. 4.

**Type series.** *Ancistria apicalis* Reitter, 1889: Lectotype ♂, designated by Burckhardt and Slipinski (1995), in the collection of the NHM (London), with label as follows: "Nagasaki, 22. v.-3. vi. 1881, G. Lewis".

**Material examined.** 1 ♂, Chungnam National University, Yoseong-Gu, Daejeon-City, Chungnam Province, Korea, 18 VI-15 VII 2003, J.H. Choi, D.H. Lee, S.M. Choi, ex FIT (on slide); 2 ♂ ♀, Keumsu-bong-Summit, Mt. Gyeryongsam, Gyesan-Dong, Yuseong-Gu, Daejeong-City, Chungnam Province, Korea, 21 V-3 VI 2000, S.J. Park, M.S. Kim, ex FIT (1 ♀, on slide); 1 ♂ ♀, N36° 20' 58.7" E127° 12' 41.3", Eunseon-Waterfall, Mt. Gyeryongsan, Gongju-City, Chungnam Province, Korea, 1 VI-28 VI 2004, S.M. Choi, J.S. Park, ex bait; 1 ♂ ♀, Baekyangsa-Temple, Mt. Naejangsan, Jangseong-Gun, Jeonnam Province, Korea, 15 VI-24 VI 2000, U.S. Hwang, H.J. Kim, ex FIT; 1 ♂ ♀, Geumseon-Valley, Naejangsa-Temple, Mt. Naejangsan, Jeongeub-City, Jeonbuk Province, Korea, 15 VI-24 VI 2000, U.S. Hwang, H.J. Kim, ex FIT.



Figs. 2-4. *Ancistria apicalis*. 2. head, dorsal aspect; 3. aedeagus, dorsal aspect; 4. spermatheca, lateral aspect. Scale bars = 0.1 mm.

**Distribution.** Korea, Japan, Vietnam and China.

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