
原 著 Original Articles

日本産ミジンギリギリツツガイ科の4新種

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Four New Species of Japanese Caecidae

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(図版 Plate I)

1953年筆者は日本産ミジンギリギリツツガイ科2種について報告し、その後、1963年に3種を追加し5種としたが、さらに樋出誠詢、坂下泰典、加藤繁富の諸氏の採集品から1新属4新種を加えることができたので、報告し感謝の意を表する。

Pictocaecum japonicum n. gen. & n. sp.

モヨウミジンツツガイ (新称)

(第I図版, 第14—17図)

殻は微小形, 円筒状, 多少彎曲するが, 殻口近くで多少よく曲る。殻頂より殻口へゆるやかに太くなる。殻頂は石灰でふさがれるが, それが殻頂でほとんどふくらみ出ない。殻口は円いが, 殻口縁は厚くならない。殻表は平滑で光沢は弱く, 黄白や黄褐のジグザグ状の斑がある。

殻高 2.0 mm, 殻口径 0.5 mm (完模式標本 国立科学博物館 NSMT-Mo 55371, 坂下泰典採集)

殻高 2.0 mm, 殻口径 0.5 mm (副模式標本 NSMT-Mo 55372a, 同上)

殻高 2.2 mm, 殻口径 0.5 mm (能登増穂浦, 樋出誠詢採集)

殻高 2.5 mm, 殻口径 0.6 mm (奄美大島竜郷町土浜, 樋出誠詢採集)

模式産地: 鹿児島県知覧町松ヶ浦

分布: 上記3産地の外, 伊豆半島戸田 (加藤繁富採集)

附記: 本種はミジンツツガイ *Brochina* 属に似るが, 殻が著しく微小で, 殻表の光沢は弱く, ジグザグの模様があることで異なるので新属を創設する。このように著しい模様は西インド諸島産に分布する *Meioceras* 属以外には見られない。なお, *Meioceras* 属としたパイプミジンツツガイは MOORE(1976)によれば *Fartulum kajiyamai* (HABE, 1963) となる。

Fartulum amamiensis n. sp.

アマミミジンツツガイ (新称)

(第I図版, 第4—6図)

殻は微小形, 半透明白色薄質平滑, 円筒形で多少彎曲する。殻口近くで特によく曲る。

殻頂より殻口へ僅かに太くなる。殻頂を閉ぢる石灰は背方で高くなる。殻口は円い。

殻高 2.0 mm, 殻径 0.5 mm (完模式標本 国立科学博物館所蔵 NSMT-Mo 55444)

殻高 2.0 mm, 殻径 0.5 mm (副模式標本 NSMT-Mo 55445a)

殻高 2.0 mm, 殻径 0.5 mm (副模式標本 NSMT-Mo 55445b)

模式産地：奄美大島竜郷町土浜 (樋出誠詢採集)

附記：パイプミジンツツガイ *F. kajiyamai* (HABE, 1963) はこの新種に似るが、大形で殻頂の方へ顕著に細くなるので区別できる。*F. legumen* (HEDLEY, 1899) はこの新種に最もよく似るが、より細長く、殻口部がよく曲る。

***Fartulum magatama* n. sp.**

マガタマミジンツツガイ (新称)

(第 I 図版, 第 7—9 図)

殻は微小形, 半透明白色, 平滑で光沢がある。短い円筒形, 多少彎曲するが, 殻口近くで少しよく曲り, 僅かに細くなり, 腹太状である。殻口は円く, 殻頂は閉ぢるが, 石灰はほとんどふくれ出ない。

殻高 1.8 mm, 最大径 0.7 mm, 殻口径 0.6 mm (完模式標本 国立科学博物館 NSMT-Mo 55432, 樋出誠詢採集)

殻高 1.6 mm, 最大径 0.7 mm, 殻口径 0.6 mm (副模式標本 NSMT-Mo 55433a, 同上)

模式産地：奄美大島竜郷町土浜

附記：この新種は甚だ太短い点でパイプミジンツツガイ *Fartulum kajiyamai* (HABE) と異なる。

***Caecum hinoidei* n. sp.**

ヒノイデミジンツツガイ (新称)

(第 I 図版, 第 11—13 図)

殻は微小形, 白～黄白色, 殻口の方は薄い褐色の殻皮をかむる。管状で多少彎曲し, 殻口の方へゆるやかに太くなる。殻頂は石灰がつまるが, 背方へやや著しく突き出る。殻口は円いが, 殻口縁は厚くならない。殻表は殻頂の方では成長脈のみであるが, 殻口の方へ次第に成長肋に発達する。

殻高 4.0 mm, 殻口径 0.9 mm (完模式標本 国立科学博物館 NSTM-Mo 55376, 樋出誠詢採集)

殻高 3.6 mm, 殻口径 0.9 mm (副模式標本 NSMT-Mo 55377a, 同上)

模式産地：奄美大島竜郷町土浜

附記：この新種は成長脈が殻口の方へ成長肋に発達することが特徴である。ミジンギリギリツツガイ *Caecum* 属とミジンツツガイ *Brochina* 属の両方の特徴をもったような種類であるが, 成長肋が出る点で前属に置く。

Five valid species of the family Caecidae have been reported from Japan until today. In this paper four new species are described in addition to them.

***Pictocaecum* n. gen.**

Type species: *Pictocaecum japonicum* n. sp.

Shell minute, tubate, slightly curved and slightly attenuate to the top. Surface smooth, rather dull white with zigzag markings of yellow and brown. Aperture circular. Apex filled by the plug which hardly projected.

Remarks: Zigzag markings on the dull white shell surface in this new genus are distinguishable from the genus *Brochina*.

Pictocaecum japonicum n. sp.

(Plate I, Figs. 14–17)

Diagnoses as in the genus.

Height 2.0 mm and diam. of aperture 0.5 mm (Holotype specimen housed in the National Science Museum, NSMT-Mo 55371)

Height 2.0 mm and diam. of aperture 0.5 mm (Paratype specimen. NSMT-Mo 55372)

Type locality: Matsugaura, Chiran-cho on the coast of Kagoshima Bay, Kagoshima Pref., Kyushu.

Distribution: Besides the type locality, Tsuchihama, Tatsugo-cho, Amami-Oshima, south of Kyushu; Heta, Izu Peninsula, Honshu and Masunoura, Noto Peninsula, Honshu (Japan Sea side).

Fartulum magatama n. sp.

(Plate I, Figs. 7–9)

Shell minute, short, tubate, translucently white, smooth and polished, slightly curved and rather strongly inflated, rapidly increasing its diameter from the apex to the middle and slightly constricted near the aperture again. Aperture oblique and circular. Apex filled by the flat plug.

Height 1.6 mm and maxim. diam. 0.7 mm and diam. of aperture 0.6 mm (Holotype specimen housed in the National Science Museum NSMT-Mo 55432)

Height 1.6 mm, maxim. diam. 0.7 mm and diam. of aperture 0.6 mm (Paratype specimen NSMT-Mo 55433a)

Type locality: Tsuchihama, Tatsugo-cho, Amami-Oshima, south of Kyushu.

Remarks: This new species differs from *Fartulum kajiyamai* HABE, 1963 (Pl. I, Figs. 4–6) in having a short and inflated shell.

Fartulum amamiensis n. sp.

(Plate I, Figs. 4–6)

Shell minute, tubate, slightly curved but distinctly curved near the aperture and slightly increasing its diameter from the apex to the aperture, thin, translucently white, smooth and polished. Apical plug on the apex extruded and peaked on the dorsal side. Aperture oblique and circular.

Height 2.0 mm and diam. 0.5 mm (Holotype specimen housed in the National Science Museum, NSMT-Mo 55444)

Height 2.0 mm and diam. of aperture 0.5 mm (Paratype specimen NSMT-Mo 55445a)

Height 2.0 mm and diam. of aperture 0.5 mm (Paratype specimen NSMT-Mo

55445b)

Type locality: Tsuchihama, Tatsugo-Cho, Amami-Oshima, south of Kyushu.

Remarks: *Fartulum kajiyamai* HABE, 1963 is an ally to this new species but has the larger and more distinctly attenuate shell. *F. legumen* (HEDLEY, 1899) from Funafuti is the nearest ally to this new species, but has the shorter shell not distinctly curved to the aperture.

Caecum hinoidei n. sp.

(Plate I, Figs. 11–13)

Shell minute, white to yellowish white, covered by thin brownish periostracum on the apertural portion, tubate, weakly curved, slightly increasing its diameter from the apex to the aperture. Surface with weak growth lines at the apical portion growing growth ribs to the aperture. Aperture circular. Apex with distinctly extruded plug.

Height 4.0 mm and diam. of aperture 0.9 mm (Holotype specimen housed in the National Science Museum, NSMT-Mo 55376)

Height 3.6 mm and diam. of aperture 0.9 mm (Paratype specimen NSMT-Mo 55377a)

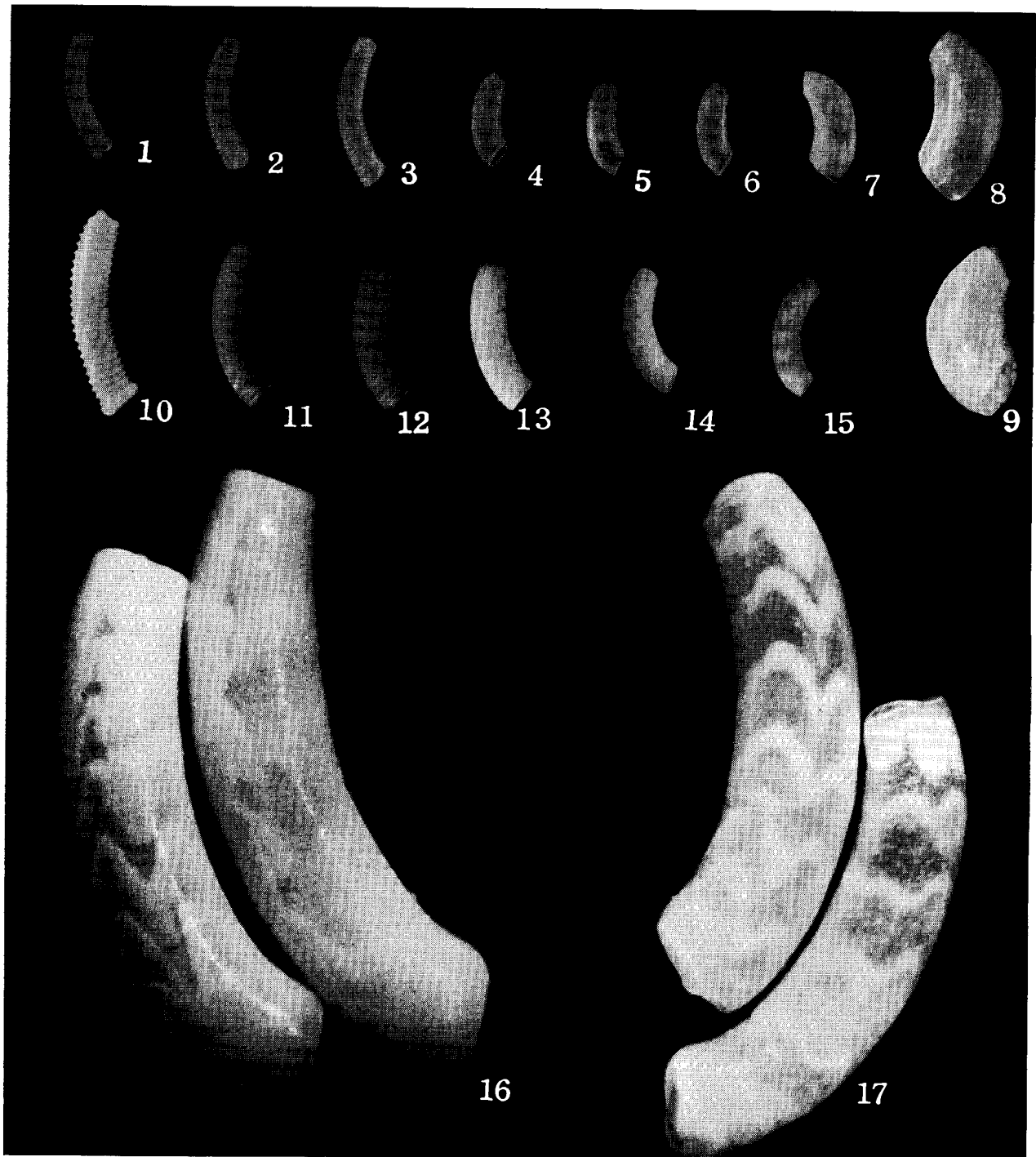
Type locality: Tsuchihama, Tatsugo-cho, Amami-Oshima, south of Kyushu.

Remarks: This new species is an intermediate form between *Caecum* and *Brochina* in having the weak growth lines at the apical portion and the distinct growth ribs at the apertural portion.

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Plate I



- Figs. 1-3.** Type (3, height 2.8 mm) and paratype specimens of *Caecum maculatum* HABE マダラミジンギリギリツツガイ
- 4-6.** Type (5, height 2.0 mm) and paratype specimens of *Fartulum amamiensis* n. sp. アマミミジンツツガイ
- 7-9.** Type (7, height 1.8 mm) and paratype (height 2.0 mm) specimens of *Fartulum magatama* n. sp. マガタマミジンツツガイ
- 10.** *Caecum heterapex* HABE (height 4.3 mm) シタダシミジンギリギリツツガイ
- 11-13.** Type (11, height 4.0 mm) and paratype specimens of *Caecum hinoidei* n. sp. ヒノイデミジンツツガイ
- 14, 15.** Type (14, height 2.0 mm) and paratype specimens of *Pictocaecum japonicum* n. sp. モヨウミジンツツガイ
- 16.** *Pictocaecum japonicum* HABE (right, height 2.5mm) from Tsuchihama, Amami-Oshima. 奄美大島産モヨウミジンツツガイ
- 17.** *Pictocaecum japonicum* HABE (left, height 2.1mm) from Masuhoura, Noto Peninsula, Honshu. 能登半島産モヨウミジンツツガイ