

On the distribution of *Anadara kafanovi* (Bivalvia: Arcidae: Anadarinae)

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Anadara (Scapharca) kafanovi Lutaenko, 1993 originally described from northern Vietnam (Tonkin Gulf) is known at present from middle and southern Vietnam, Fujian, Guangdong and Hainan Provinces of China and Pacific coast of Japan. In Japan, it is recorded for the first time. *A. kafanovi* is a tropical-subtropical species in zonal-geographical terminology.

О распространении *Anadara kafanovi* (Bivalvia: Arcidae: Anadarinae)

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Установлено, что *Anadara (Scapharca) kafanovi* Lutaenko, 1993, первоначально описанная из северного Вьетнама (Тонкинский залив), в настоящее время известна также из среднего и южного Вьетнама, с побережья китайских провинций Фуцзянь, Гуандун и Хайнань и впервые обнаружена на тихоокеанском побережье Японии. В зонально-географической терминологии, вид является тропическо-субтропическим.

Anadara (Scapharca) kafanovi Lutaenko, 1993 (Bivalvia: Arcidae: Anadarinae) was described from South China Sea (type locality – northern Vietnam, Bien-Shon Island) [Lutaenko, 1993]. Until that, *A. kafanovi* had been known from coastal waters of China and Tonkin (Beibu) Gulf under heading «*Scapharca labiosa* (Sowerby, 1833)» [Li, 1983; Cai, Zhang, 1988]. The latter species is rather rare and is distributed in the tropical western America – from Mexico to Peru [Olsson, 1961; Bernard, 1983] and it is not related to the Chinese–Vietnamese species which was

pointed out by F. Bernard et al. [1993]. However, precise geographical distribution of *A. kafanovi* was unclear until recently. An additional study of new collections and new literature data allow us to update sufficiently its range.

Family **Arcidae** Lamarck, 1809

Subfamily **Anadarinae** Reinhart, 1935

Anadara (Scapharca) kafanovi

Lutaenko, 1993

Scapharca labiosa: Li, 1983, p. 83, pl. 2, fig. 5; Xu, 1997, p. 29; Cai, He, 2006, p. 227, text-fig. (non Sowerby, 1833).

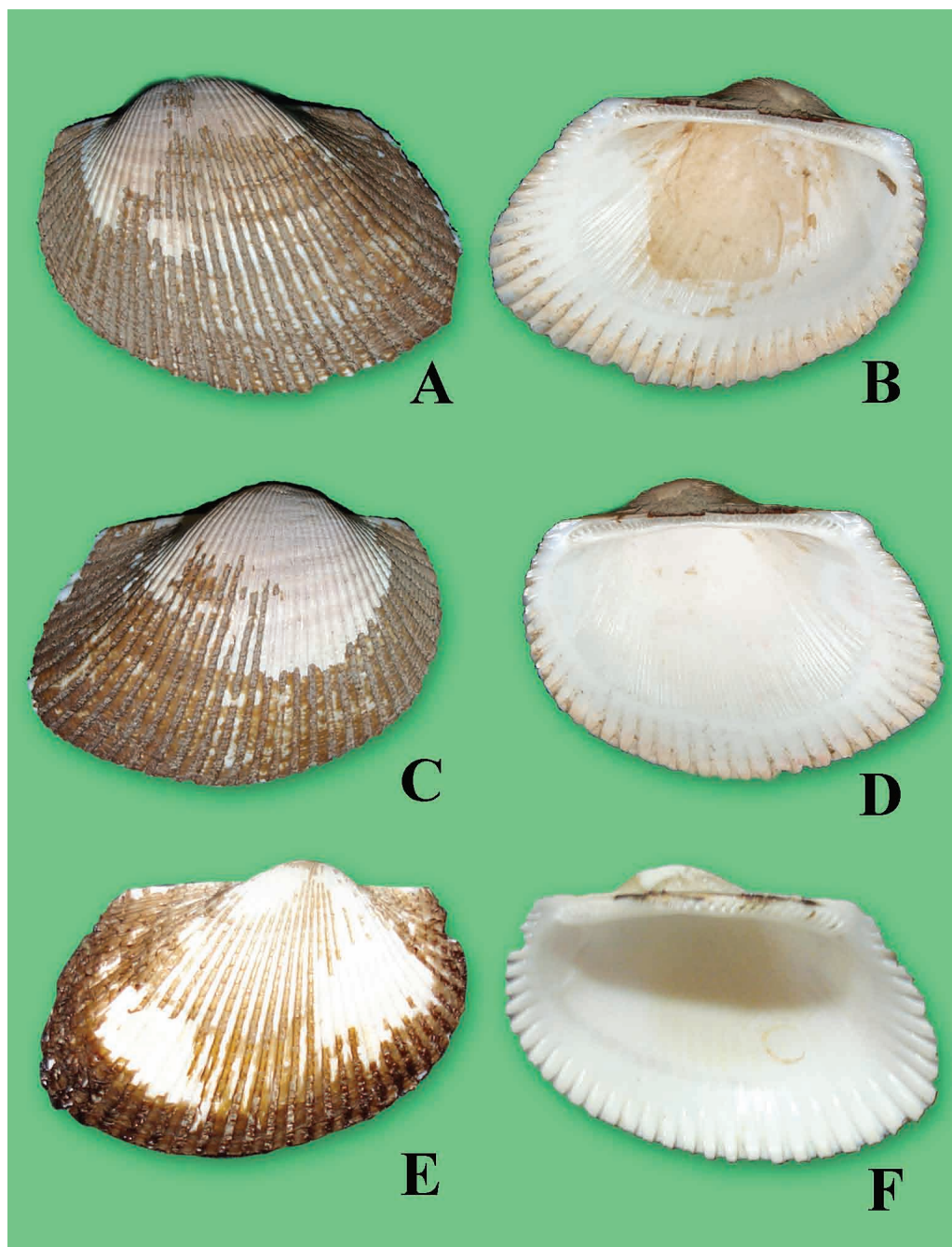


Fig. 1. A–D – *Anadara (Scapharca) kafanovi* Lutaenko, 1993: China, Fujian Province, Lianjiang, left (**A, B**) and right (**C, D**) valves of the same shell exteriorly (**A, C**) and interiorly (**B, D**), length 43.9 mm, Marine Biological Museum, Chinese Academy of Sciences (Qingdao), no reg. no.; **E, F** – *A. (S.) kafanovi* Lutaenko, 1993: South China Sea, southern Vietnam, Nhatrang, right valve exteriorly (**E**) and interiorly (**F**) length 28.3 mm, Zoological Museum, Far East National University, reg. no. 26579/Bv-4494.

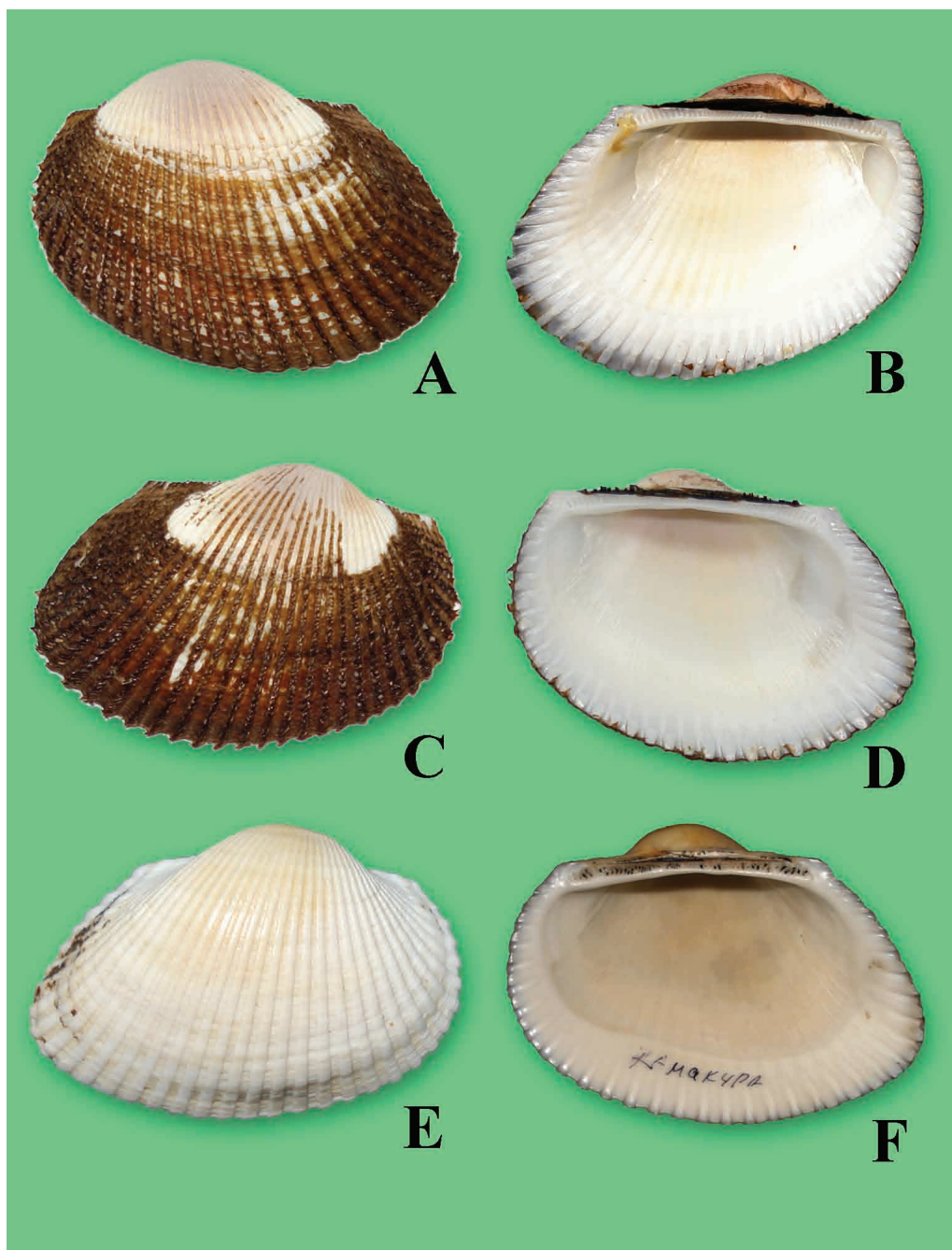


Fig. 2. A–D – *Anadara (Scapharca) kafanovi* Lutaenko, 1993: South China Sea, Vietnam, Danang, left (A, B) and right (C, D) valves of the same shell exteriorly (A, C) and interiorly (B, D), length 49.4 mm, Zoological Museum, Far East National University, reg. no. 26580/Bv-4495; E, F – *A. (S.) kafanovi* Lutaenko, 1993: Japan, Pacific Ocean side of Honshu, Kamakura, right valve exteriorly (E) and interiorly (F), length 43.5 mm, Zoological Museum, Far East National University, reg. no. 26578/Bv-4493.

Scapharca cf. *labiosa*: Bernard et al., 1993, p. 25 (non Sowerby, 1833).

Anadara (Scapharca) kafanovi Lutaenko, 1993, p. 141, figs. 1, 2; Evseev, Lutaenko, 1998, p. 30, pl. 1, fig. E.

Anadara kafanovi Lutaenko, 1993: Darkina, Lutaenko, 1996, p. 59, pl. 1, fig. 5; Lutaenko, 2000, p. 365; Hylleberg, Kilburn, 2003, p. 148; Thach, 2007, p. 176, pl. 53, fig. 956.

Scapharca kafanovi (Lutaenko, 1993): Xu, Zhang, 2008, p. 37, fig. 78.

English name: Kafanov's ark;
Vietnamese name: Sò bụng phình;
Russian name: анадара Кафанова.

Distribution: This species is known presently from Vietnam – Tonkin Gulf, middle Vietnam – Danang, southern Vietnam – Nhatrang (our data: Figs. 1, 2); China – Fujian Province (Lian-

jiang), Guangdong Province (Nanao Isl., Haimen, Pinghai, Dongping, Hailing Isl., Naozhou Isl.), Hainan Province (Beigang) [Xu, Zhang, 2008]; Japan – Pacific coast, Kamakura (Fig. 2E, F). It is recorded in Japan for the first time. In zonal-geographical terminology, *A. kafanovi* is tropical-subtropical species.

Remarks: This species might be confused in previous studies with *Anadara (Scapharca) kagoshimensis* (Tokunaga, 1906) (the latter was known for a long time as *Anadara (Scapharca) subcrenata* (Lischke, 1869); *Arca subcrenata* of Lischke is a junior homonym of *Arca subcrenata* Michelotti, 1861). However, *A. kafanovi* clearly differs by number of ribs (35–39 instead of 28–34 in *A. kagoshimensis*).

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