A revision of Brady’s 1869 study of the Ostracoda of Hong Kong

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ABSTRACT – This paper is a revision of Brady’s 1869 study of the Ostracoda of Hong Kong in ‘Les Fonds de la Mer’. In this he described the following nine new species: Cytherella cingulata, Bairdia elegans, Bythocythere orientalis, Loxoconcha sinensis, L. hastata, Cytheridea impressa, Cythere cymba, C. euplectella and C. salebrosa. A detailed reappraisal of Brady’s original material which is deposited in the Hancock Museum, Newcastle-upon-Tyne, UK, and the Centre d’Etudes et de Recherches Scientifiques, Biarritz, France has revealed that the specimens of L. hastata are apparently lost. Holotypes and lectotypes have been designated by the authors for the other eight species. Those species which were subsequently recorded by Brady (1880) in the Challenger Report, such as C. cingulata, B. orientalis, L. sinensis and C. euplectella are demonstrated not to be conspecific with their original types first described in 1869. The following 10 species, Bythoceratina virgatella Hu, 1983 and B. cassidoidea Zhao, 1985; Cyprideis yehi Hu & Yeh, 1978, Sinocytheridea sinensis Hou. 1978, S. latiovafa Hou & Chen. 1982, S. longa Hou & Chen, 1982 and Eucytheridea sinobesani Hu, 1984; Cythereis subconvexa Kajiyama, 1913 and Aurila mii Ishizaki, 1968; Cythereis assimilis Kajiyama. 1913 are placed by the authors in the synonymies of Brady’s B. orientalis, C. impressa, C. cymba and C. salebrosa respectively.

INTRODUCTION
G. S. Brady, the first worker to study the marine ostracods of China, in 1869 reported on an ostracod fauna consisting of 16 species from Hong Kong in ‘Les Fonds de la Mer’. He described and illustrated the following nine new species: Bairdia elegans, Cythere cymba, C. euplectella, C. salebrosa, Cytheridea impressa, Loxoconcha hastata, L. sinensis, Bythocythere orientalis and Cytherella cingulata, and listed the following eight species: Bairdia subdeltoidea (Münster, 1830), Cythere cerebralis Brady, 1868, C. cribriformis Brady, 1866, C. crissata Brady, 1868, C. darwini Brady, 1868, C. hodgii Brady, 1865, Pontocypris davisoni Brady, 1868 and Xestoleberis aurantia (Baird, 1838).

However, the description of some of his new species and the illustration provided in this paper are inadequate by modern standards and have been responsible for both taxonomic and ecological confusion by some subsequent authors. Two principal types of confusion have occurred. Firstly, some species names have been used by subsequent authors for species clearly not conspecific with Brady’s type material. Brady himself provides an example. The species described by Brady in 1880 from the Challenger Expedition such as Bythocythere orientalis, Cythere euplectella, Loxoconcha sinensis and Cytherella cingulata are certainly not the same as those species first described by Brady in 1869 from Hong Kong. Secondly, there have been several synonymous species erected by later workers, such as Cythereis assimilis Kajiyama, 1913. Cythereis subconvexa Kajiyama, 1913 and Aurila mii Ishizaki. 1968, Cyprideis yehi Hu & Yeh, 1978, Sinocytheridea sinensis Hou. 1978, S. latiovafa Hou & Chen. 1982, S. longa Hou & Chen, 1982 and Eucytheridea sinobesani Hu, 1984, Bythoceratina virgatella Hu, 1983 and B. cassidoidea Zhao.1985. These are synonyms of Brady’s Cythere salebrosa, C. cymba, Cytheridea impressa and Bythocythere orientalis respectively.

In order to rectify this state of confusion, it proved necessary to restudy Brady’s original material, to designate lectotypes, to modernise and amend some description and to publish SEM illustrations. These are the principal aims of this paper.

BRADY’S TYPE MATERIAL
Brady’s 1869 original ostracod collection from Hong Kong is deposited in both the Hancock Museum, Newcastle-upon-Tyne, UK (HMNT) and the Centre d’Etudes et de Recherches Scientifiques, Biarritz, France (CERS). Most specimens are in the Hancock Museum where there are three of Brady’s slides labelled with Hong Kong as their locality, and each slide contains specimens of 3–4 species. Brady’s identification on slide no. 2.05.31 is Bythocythere orientalis, Cythere euplectella, C. salebrosa and Cythereidea impressa; on slide no. 2.05.32 is Bairdia elegans, B. subdeltoidea and Cytherella cingulata; on slide no 2.05.33 Cythere cymba, Loxoconcha hastata and L. sinensis. In 1967, McKenzie removed some specimens of the following species from Brady’s origin-
al slides to new separate slides: C. *cingulata* (no. 1.08.32), *B. orientalis* (no. 1.35.35), *B. elegans* (no. 1.14.35), *C. euplectella* (no. 1.15.15), *C. impressa* (no. 1.23.44) and *L. sinensis* (no. 1.46.46). Additionally, there are another three of Brady’s original slides (nos. 1.08.06, 1.11.10, 1.12.05) on which the identification is *Cythere cerebralis*, *C. cribriformis* and *C. darwinii* respectively. Their locality, however, is doubtful as each slide was also labelled with two place names, “Hong Kong and Java” or “Hong Kong and Java Sea”. It is impossible, therefore, to be certain which specimens are really from Hong Kong. For this reason, the authors have not made use of this latter material in this paper.

A few specimens of five of the species are deposited in the Centre d’Etudes et de Recherches Scientifiques. These are *B. elegans* (no. 68.22.63), *C. euplectella* (no. 68.22.52), *C. salebrosa* (no. 68.21.40), *C. cingulata* (no. 68.18.59) and *Xestoleberis aurantia* (no. 68.20.69). The authors could not find *Cythere crispatu* nor *C. hodgii* in the Brady Collection from Hong Kong at the Hancock Museum, or the British Museum (N.H.). Fortunately, it seems that the original material of Brady’s new species is preserved much better than that of other species.

**SYSTEMATIC DESCRIPTIONS**

**Phylum Crustacea** Pennant, 1777  
**Class Ostracoda** Latreille, 1806  
**Order Podocopida** Miiller, 1894  
**Suborder Platycopina** Sars, 1866  
**Family Cytherellidae** Sars, 1866  

**Genus Cytherelloidea** Alexander, 1929  

*C. cingulata* (Brady) 1869  

*Cytherelloidea cingulata* (Brady) 1869  
(Pl. 1, figs. 1, 2)

| Year | Specimen | Status | Authors | Pages | Figs. |
|------|----------|--------|---------|-------|-------|
| 1869 | *C. cingulata* | Lectotype | Brady | 159, pl. 16, figs. 24, 25. |
| 1880 | *C. cingulata* | Paralectotype | Brady; (pars) Brady | 177, pl. 43, figs. 1a–d. |
| 1964 | *C. cingulata* | Lectotype | Brady; Keij | 419, 420, pl. 1, figs. 4–8. |
| ?1948 | *C. cingulata* | Lectotype | Brady; Kingma | 65, pl. 6, fig. 10. |
| 1869 | *C. cingulata* | Holotype | Brady | 177, pl. 43, figs. 1e–g, 2a–d. |
| non 1880 | *C. cingulata* | Lectotype | Brady; (pars) Brady | 177, pl. 43, figs. 1e–g, 2a–d. |
| non 1983 | *C. cingulata* | Lectotype | Brady; Gou et al. | 133, pl. 23, figs. 30, 31. |

**Lectotype.** Female RV (CERS 68.18.59).

**Material.** Two specimens of this species are separately deposited in the UK and France.

**Dimensions (in mm).**

| Dimension | Lectotype (CERS 68.18.59) | Paralectotype (HMNT 2.05.43) |
|-----------|-----------------------------|-----------------------------|
| Length    | 0.56                        | 0.57                        |
| Height    | 0.36                        | 0.33                        |

**Explanation of Plate 1**

Figs. 1–2. *Cytherelloidea cingulata* (Brady).

Fig. 1. Lectotype, ♀ RV (CERS 68.18.59), ext. lat. (×103).

Fig. 2. Paralectotype,♀ LV (HMNT 1.08.43), ext. lat. (×105).

Figs. 3–7. *Neonsidea elegans* (Brady).

Fig. 3. Paralectotype, juv. LV (HMNT 1.15.21), ext. lat. (×85).

Fig. 4. Paralectotype, juv. RV (HMNT 1.15.22), int. (×85).

Fig. 5. Paralectotype, juv. car. (HMNT 1.14.33), right lat. (×85).

Fig. 6. Lectotype, car. (HMNT 1.15.19), right lat. (×53).

Fig. 7. Paralectotype, LV (HMNT 1.15.20), int. (×53).

Fig. 8–10. *Sinocytheridea impressa* (Brady).

Fig. 8. Paralectotype, ♀ car. (HMNT 1.23.44) right lat. (×60).

Fig. 9. Lectotype, ♀ LV (HMNT 1.24.37), int. (×60).

Fig. 10. Paralectotype, ♀ RV (HMNT 1.24.38), int. (×60).

Fig. 11. *Bythoceratina orientalis* (Brady).

Fig. 11. Holotype, RV (HMNT 1.35.35), ext. lat. (×65).

Figs. 12, 13. *Xestoleberis hanaii* Ishizaki, 1968.

Figs. 12, 13. ♀ opened carapace. (CERS 68.20.69): fig. 12. LV ext lat.; fig. 13. int. with instars (×77).
**Diagnosis.** Medium, surface covered by faint reticulation with a marginal rib which extends from the mid-dorsal margin along the anterior, ventral and posterior margins, becoming vertical posteriorly, a horizontal dorsal rib, which is about half the length of the carapace and which unites posterodorsally with the vertical posterior marginal rib. And a very weak, short, narrow, horizontal rib which extends just below the muscle-scar depression.

**Remarks.** As the specimen illustrated by Brady (1869) is a right valve, it is reasonable to designate the right of Brady’s two original valves as the lectotype and the left one as the paralectotype. Of the specimens reported by Brady (1880) from Hong Kong, Indonesia and Australia, only those (pl. 43, figs. 1a–d) are conspecific with his 1869 type material. The others (pl. 43, figs. le–g, 2a–d) are obviously different species due to their different ornamentation. The specimens described under the name of *C. cingulata* by Gou et al. (1983), possessing a continuous marginal rib, are virtually the same as Brady’s 1880 specimens (pl. 43, figs. le–g) which are clearly not *C. cingulata*. Kingma (1948) illustrated one specimen from Indonesia which is probably not *C. cingulata* since it has a long prominent horizontal rib below the muscle-scar depression.

**Distribution.** South China Sea: Hong Kong and off Borneo, Recent.

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**Suborder Podocopina Sars, 1866**

Superfamily Bairdiacea Sars, 1888

Family Bairdiidae Sars, 1888

Genus *Neonesidea* Maddocks, 1969

*Neonesidea elegans* (Brady) 1869

(Pl. 1, figs. 3–7)

1869 *Bairdia elegans* Brady: 156, pl. 16, figs. 11, 12.

1869 *Bairdia subdeltoidea* (Münster): Brady: 155

?1978 *Bairdia haikangensis* Guan, in Guan et al.: 155, pl. 38, figs. 8–11.

?1981 *Bairdia haikangensis* Guan: Gou et al.; 148, pl. 74, figs. 1–4.

?1983 *Bairdia haikangensis* Guan: Gou et al.; 14, pl. 1, figs. 1–9.

?1985 *Neonesidea haikangensis* (Guan); Wang & Zhao: 82, fig. 16; pl. 6, figs. 4, 5.

?1985 *Neonesidea haikangensis* (Guan); Zhao et al.; 204, fig. 21: pl. 19, figs. 3, 4.

**Lectotype.** Adult carapace (HMNT 1.15.19).

**Material.** Brady’s type specimens of this species are deposited in both the UK and France. In the Hancock Museum, Brady’s original slide no. 2.05.33 contains two carapaces and three valves which are designated as the lectotype and paralectotypes and have been removed to new slides. The French slide no. 68.22.63 contains one carapace and one RV which are both juveniles.

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**Dimensions** (in mm).

|                | Length | Height | Width |
|----------------|--------|--------|-------|
| Lectotype      | 1.00   | 0.68   | 0.52  |
| Paralectotype  | 1.02   | 0.70   |       |
| Paralectotype  | 0.59   | 0.38   | 0.29  |
| Paralectotype  | 0.62   | 0.39   |       |
| Paralectotype  | 0.61   | 0.35   |       |

**Diagnosis.** RV and LV differ in shape and size. RV larger and overlapping LV along periphery, most strongly along dorsal and ventral margins; almondd-shaped in lateral view with highly arched dorsal margin and slightly convex ventral margin; posterior upturn not exhibited. RV typically bairdoid in outline with straight and slightly oblique dorsal margin, slightly concave ventral margin and upturned posterior margin. A round of small nodellike denticles occurs along the posteromarginal margin of LV. Surface finely punctate.

**Remarks.** Both the names *Bairdia elegans* and *B. subdeltoidea* were labelled on Brady’s original slide no. 2.05.33. It transpires that the specimens of this slide represent different ontogenetic stages of the same species, *B. elegans*, containing one adult carapace, one adult left valve, one immature carapace and two immature valves. By comparing Brady’s 1869 illustration (pl. 16, figs. 11, 12) with our figure of a juvenile (Pl. 1, fig. 5) it is evident that *B. elegans* was erected by Brady based on the juvenile. Brady (1869) did not illustrate *B. subdeltoidea* and we assume that he must have misidentified the adults of *B. elegans* as this species. *B. subdeltoidea*, a European species, is very similar to the present species, but the RV is a little lower and slightly concave ventrally and also lacks denticles on the posteroventral margin of the left valve. *B. haikangensis* Guan, 1978, probably synonymous with *B. elegans*, only differs from Brady’s original material in lacking the marginal denticles, which are also less well developed in the adult of *B. elegans*.

**Distribution.** Hong Kong, continental shelves off eastern and south eastern China (?). Recent: south eastern China (?). Pliocene.

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Superfamily Cytheracea Baird, 1850

Family Cytherideidae Sars, 1925

Genus *Sinocytheridea* Hou, in Hou et al., 1982

*Sinocytheridea impressa* (Brady) 1869

(Pl. 1, figs. 8–10)

1869 *Cytheridea impressa* Brady: 158, pl. 16, figs. 13, 14.

1978 *Cyprideis yehi* Hu & Yeh: 157–159, pl. 3, figs. 10–13.

1978 *Sinocytheridea sinensis* Hou, in Guan et al.; 240, pl. 65, figs. 1–5.
1982 *Sinocytheridea latiovata* Hou & Chen. in Hou et al.: 164, 165. pl. 72, figs. 10–20.
1982 *Sinocytheridea longa* Hou & Chen. *ibid.*: 165, pl. 72, figs. 1–9.
1984 *Eucytheridea sinobesani* Hu: 76, pl. 10, figs. 27. 28.

**Lectotype.** Female LV (HMNT 1.24.37).

**Material.** Brady’s original slide no. 1.24.38 contained one carapace, one RV and one LV, which are designated as the lectotype and paralectotypes by the authors and removed to new separate slides. Brady’s original slide now has no specimens of this species.

**Dimensions (in mm).** Length Height Width
Lectotype (HMNT 1.24.37) ♀ LV 0.77 0.47
Paralectotype (HMNT 1.24.38) ♀ RV 0.74 0.45
Paralectotype (HMNT 1.23.44) ♀ car. 0.74 0.46 0.34

**Diagnosis.** This species is characterised by its modified antimerodont hinge with a conspicuous anti-slip toothlet anteriorly in the LV and in being avestibulate.

**Remarks.** The material on which Brady erected *C. impressa* is all female. Of the five synonymous species, *C. yehi*, *S. sinensis* and *S. latiovata* are the female dimorphs of the present species, and *S. longa* and *E. sinobesani* are males which differ from the females only in being more elongate and slimmer.

**Distribution.** Pliocene to Recent of eastern China. Pleistocene (?) of Japan (Ishizaki, 1984): Recent representatives occur widely in shelf, littoral, estuaries, marshes, tidal pools and channels of the supralittoral zone along the entire coast of China, in water depths ranging from middle shelf (50–100m) to supralittoral and in salinities from about 25% to normal sea water. The authors have recently found a few specimens of this species from bottom sediments in the estuary of the Sedili River, southern Malaya.

Family *Bythocytheridae* Sars. 1926
Genus *Bythoceratina* Sars. 1866
*Bythoceratina orientalis* (Brady) 1869
(Pl. 1, fig. 11)
1869 *Bythocythere orientalis* Brady: 159. pl. 16, figs. 21–23.
1982 *Bythoceratina* sp., Yajima: 126. pl. 13, fig. 16.
1983 *Bythoceratina virgatella* Hu: 160. 161. pl. 3, figs. 1–3, 7, 9, 10; text-fig. 11.
1985 *Bythoceratina cassidoidea* Zhao, in Wang & Zhao: pl. 8, fig. 18.
non 1880 *Bythocythere orientalis* Brady: Brady; Brady: 141, 142. pl. 16, figs. 6a–d; pl. 32, figs. 2a–c.

**Holotype.** RV (HMNT 1.35.35).

**Material.** Only one RV was found which was removed in 1967 by McKenzie from Brady’s original slide no. 2.05.31 to the present slide, and it has to be considered as the holotype of this species.

**Dimensions (in mm).** Length Height Width
Holotype (HMNT 1.35.35) RV 0.71 0.36

**Diagnosis.** This species is characterised by its strong posteroventral spine, from its base two long and prominent ventral ribs extend anteriorily and two short and weak ribs posterioriy. Median sulcus distinct; anterior lobe relatively swollen and covered by weak reticulation; posterodorsal rib prominent, extending from above the anterior lobe to just in front of the caudal process.

**Remarks.** The specimens reported by Brady (1880) from Hong Kong and the Torres Straits are not conspecific with Brady’s 1869 type specimen. On examining Brady’s 1880 specimen of Hong Kong which is deposited in the British Museum (Natural History), the authors found it to belong to *B. haunai* Ishizaki. 1968 which is characterised by a thick ventral rib. The specimens from the Torres Straits, bearing a prominent mid-dorsal node, probably belong to *Nodobythere* Schornikov, 1980.

Family *Loxoconchidae* Sars., 1925
Genus *Loxoconcha* Sars. 1866
*Loxoconcha sinensis* Brady. 1869
(Pl. 2, figs. 1–5)
1869 *Loxoconcha sinensis* Brady: 158. pl. 16, figs. 17, 18.
non 1880 *Loxoconcha sinensis* Brady: 120. pl. 29, figs. 2a–d.
non 1948 *Loxoconcha sinensis* Brady: Kingma: 91, pl. 11, fig. 2.
non 1983 *Loxoconcha sinensis* Brady: Gou et al.: 71, pl. 18, figs. 28. 29.
non 1985 *Loxoconcha sinensis* Brady; Wang & Zhao: pl. 8, fig. 6.
non 1985 *Loxoconcha sinensis* Brady; Zhao et al.: 203. fig. 17; pl. 20, fig. 10.

**Lectotype.** Female carapace (HMNT 1.58.01).

**Material.** One carapace, three RV and three LV only are deposited in the Hancock Museum and are removed from Brady’s original slide no. 2.05.32 to their present individual slides.

**Dimensions (in mm).** Length Height Width
Lectotype (HMNT 1.58.01) ♀ car. 0.45 0.30 0.26
Paralectotype (HMNT 1.46.41) ♀ LV 0.49 0.27
Paralectotype (HMNT 1.56.14) ♀ RV 0.48 0.28

**Diagnosis.** Oblong to ovate in lateral view with subparallel dorsal and ventral margins. Surface coarsely reticulate with two relatively prominent ribs ventrally: the outer one parallel to the ventral margin and the inner one slightly concave posteriorly. The posterodorsal area is markedly swollen and on it the muri become...
thickened and more elevated, and in dorsal view the posterior margin is broadly obtuse. The male is more elongate and slimmer than the female with a diagnostic small patch of fine punctae just above the posteroventral swelling.

**Remarks.** Both the names *Loxoconcha sinensis* and *L. hastata* are written on Brady’s original slide no. 2.05.32, but only specimens of the former species were found. No specimens of *L. hastata* were found anywhere in Brady’s Collection and they are, therefore, presumed lost. *L. sinensis* and *L. hastata* are not easily confused on the basis of their original illustrations. The latter is much higher and the posteroventral margin is markedly convex. We have checked the specimens in the Challenger collection in both the British Museum and the Hancock Museum, under the name of *L. sinensis*, recorded by Brady (1880) from Hong Kong and Japan, and found none of them to be conspecific with the type as they all lack the diagnostic posteroventral swelling. It is evident, therefore, that those specimens were subsequently misidentified by Brady himself. This misidentification has influenced subsequent authors, notably Kingma (1948), Gou et al. (1983), Wang & Zhao (1985) and Zhao et al. (1985) in their erroneous interpretation of this species. All of these authors have used the name *L. sinensis* for species which are not conspecific with Brady’s original material from Hong Kong.

**Distribution.** Only Hong Kong. Recent.

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**Explanation of Plate 2**

Figs. 1–5. *Loxoconcha sinensis* Brady.

Fig. 1. Paralectotype, ♂ RV (HMNT 1.56.14), ext. lat. (×110).

Fig. 2. Paralectotype, ♀ LV (HMNT 1.46.41), ext. lat. (×115).

Figs. 3–5. Lectotype, ♀ opened carapace (HMNT 1.58.01): fig. 3, dors; fig. 4, LV ext. lat.; fig. 5, RV int. (all ×110).

Figs. 6–8. ?*Lankacythere euteletella* (Brady).

Fig. 6. Paralectotype, car. (CERS 68.22.53), right lat. (×65).

Fig. 7. Paralectotype, LV (HMNT 1.57.38), ext. lat. (×67).

Fig. 8. Lectotype, RV (HMNT 1.15.17), int. (×67).

Figs. 9–12. *Aurila cymba* (Brady).

Figs. 9–11. Lectotype, ♂ opened carapace (HMNT 1.57.36): fig. 9, LV int.; fig. 10, LV ext. lat.; fig. 11, RV ext. lat. (all ×70).

Fig. 12. Paralectotype, ♀ car. (HMNT 1.57.38), right lat. (×67).

Figs. 13, 14. *Mutillus salebrosa* (Brady).

Fig. 13, 14. Holotype, RV (CERS 68.21.40): fig. 13, ext. lat.; fig. 14 oblique dorso-lat. (×65).
tween LV and RV. From the material of Okubo (1980) and Yajima (1982) which agree well with the present type, we believe that Kajiyama’s *C. assimilis* is conspecific with the present species. Bearing weaker and more regular reticulation, the material of Hou et al. (1982) is quite different from *M. salebrosa* and probably belongs to *M. ishizaki* Okubo, 1980.

**Distribution.** Hong Kong, Recent; Japan, late Pleistocene to Recent.

Genus *Aurila* Pokorny, 1955

*Aurila cymba* (Brady) 1869

(PI. 2, figs. 9–12)

1869 *Cythere cymba* Brady: 157, pl. 16, figs. 1–4.

1880 *Cythere cymba* Brady; Brady: 80, 81, pl. 20, figs. 5a–f.

1913 *Cythereis subconvexa* Kajiyama: 14, pl. 1, figs. 74, 75.

1968 *Aurila mii* Ishizaki: 22, pl. 1, fig. 9; pl. 4, figs. 1, 2.

1976 *Cythere cymba* Brady; Puri & Hulings: pl. 25, figs. 3–6.

1977 *Aurila cymba* (Brady); Hanai et al.: 42.

1980 *Aurila subconvexa* (Kajiyama); Okubo: 397–399, figs. 2, 7m, n, 9α–d.

1985 *Aurila cymba* (Brady); Zhao: pl. 2, fig. 4.

**Lectotype.** Male carapace (HMNT 1.57.36).

**Material.** In Brady’s 1869 collection from Hong Kong this species comprises 12 carapaces and one RV which are all deposited in the Hancock Museum.

**Dimensions (in mm).**

|   | Length | Height | Width |
|---|--------|--------|-------|
| Lectotype | (HMNT 1.57.36) | 0.65 | 0.44 | 0.38 |
| Paralectotype | (HMNT 1.57.38) | 0.68 | 0.46 | 0.36 |

**Diagnosis.** Medium, inflated, thick-shelled, subrectangular in lateral view with subparallel dorsal and ventral margins. Surface covered by concentric reticulation, consisting of ‘T’-shaped muri and deep fossae whose openings are slit-like in lateral view. Holamphid hinge with stepped anterior tooth and bulb-like posterior tooth. Avestibulate; frontal scar single and rounded.

**Remarks.** This species is very readily identified by its diagnostic reticulation of ‘T’-shaped muri. *C. euplectella* illustrated by Brady (1880) and Puri & Hulings (1976) has reticulation which lacks these characteristic muri and is evidently not conspecific with Brady’s 1869 type material. We tentatively refer this species to *Lankacythere* Bhatia & Kumar, 1979 based mainly on its hinge and its deep and concentric fossae, despite the fact that the posterodorsal rib, one of the diagnostic features of this genus, is not developed.

**Distribution.** Recent, beside Hong Kong, it has been widely encountered in bottom sediments of the South and East China Seas (Wang & Zhao, 1985; Zhao et al., 1985) and of the Malacca Straits (Whatley & Zhao, in press).

Family *Xestoleberididae* Sars, 1928

Genus *Xestoleberis* Sars, 1928

*Xestoleberis hanii* Ishizaki, 1968

(PI. 1, figs. 12, 13)

1869 *Xestoleberis aurantia* (Baird): Brady: 155.

1968 *Xestoleberis hanii* Ishizaki: 41, 42, pl. 9, figs. 1, 2.
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1977  Xestoleberis hanaii Ishazaki; Hanai, et al.: 66.  
1985  Xestoleberis hanaii Ishazaki; Zhao: 198, 200.  

Material. One adult female carapace is deposited in Biarritz. This contains within it 6 juvenile carapaces of what are probably the 1st instar.

Dimensions (in mm).  
Length Height Width  
CERS 68.28.69 ♂ car. 0.58 0.37 0.34

Remarks. This is the only species available for study in either the Hancock Museum or Biarritz of the eight species only listed by Brady (1869). The species clearly differs from the Recent North West European species, X. auraritit which has a well rounded posterior margin and an anteroventral process of the LV which strongly overlaps the RV.

Distribution. Japan, late Pleistocene to Recent; Kurile Islands of the USSR; China. Recent.

ACKNOWLEDGEMENTS

The authors would like to express their thanks to Dr. P. Davis, deputy curator of the Hancock Museum and Dr. A. Percier, Chief of the Centre d’Etudes et de Recherches Scientifiques, Biarritz, France for allowing us access to Brady’s 1869 original specimens and for permission to photograph them. We also wish to thank Dr. J. E. Whittaker, Dr. G. Boxshall and Miss S. Halsey of the British Museum (N.H.) for arranging access to the Challenger collection. The manuscript was typed by Mrs. V. Grant, to whom our grateful thanks are extended.

Manuscript received October 1986  
Revised manuscript accepted May 1987

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