



Conus marmoreus Linne

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JUNE/JULY 2017

NOTICE OF MEETING

The next meeting of the Branch will be held on the 19th June at the Melbourne Camera Club Building, cnr. Dorcas & Ferrars Sts South Melbourne at 8pm.

Members are invited to bring along items of interest, shells, live shell images, trip and research reports. This can be another sell and swap night.

Raffles and supper as usual.

There will be no meeting in July.

Currently Branch Bulletin issues from VBB169- 288 can be accessed via the Society's website which includes an index 1-276 . http://www.malsocaus.org/?page_id=91

Bulletins mentioned in this issue prior to 169 can be obtained from the editors in PDF form on request.

Secretary / Treasurer Michael Lyons Tel. No. 9894 1526

Changes to Tellinidae after Huber

This was one of the bivalve families left out of Compendium of Bivalves, Vol.1 by Dr M. Huber (CoB). Along with a few other difficult families, the changes were finally published in 2015 in Vol. 2, Chapter 6, entitled Special Remarks. For the section on Tellinidae, Huber had 2 co-authors, A. Langleit; and K. Kreipl. The photographs were also found useful despite sometimes adding to the confusion. The distribution given can be very broad, meaning that Australia may or may not be included, e.g India to Amami, Red Sea to Hawaii.

The listings in Lamprell & Whitehead and Lamprell & Healy, Bivalves of Australia Vols. 1 & 2, (BOA) are used as the basis for this listing of alterations. There were many changes, with some illustrated specimens being This was one of the bivalve families left out of Compendium of Bivalves, Vol.1 by Dr M. Huber (CoB) being unresolved”. In some cases, names used in our Australian context were considered to apply to overseas species, that as far as was known, do not occur in Australia. Some BOA illustrated species did not rate a definite mention, so it is difficult to be sure of the status. For these, the websites were consulted. The problem that arises is that it is not always easy to decide if the various authors are all talking about the same species. Checking three times may not have been sufficient. There are species illustrated in CoB with Australia as a locality that do not appear to be listed elsewhere. The additional species noted are added at the end. Once again there may be others I have missed due to my inability to look up an unknown name (an unknown unknown!).

The large number of changes, has made this a long, rather involved process, using not only the BOA volumes but the CAAB website and WoRMS website. Even that was insufficient to resolve all the problems encountered. The CAAB website appears to have some alterations incorporated yet many species have remained as per BOA (referenced) even though, for example, Huber et. al. have synonymized the species. This probably means it is still a work in progress. All very confusing!

Bivalves of Australia, Vol.1. Lamprell & Whitehead

289. *Tellinella virgata* H.& W. *Tellina virgata* CAAB.
290. *Pristipagia radians* H. & W. & CAAB
291. *Tellinella cruciata* (Spengler, 1798), syn. *T. staurella*, H.p.574. WoRMS accepts this interpretation but allows *Tellinella staurella* as an 'Alternate representation" which is not accepted in Huber. CAAB has *Tellina staurella*.
292. *Tellinella crucigera*????
293. *Tellinella crucigera* H.p.575 syn. *divergens*, *exculta*, *flammula*, *vinosa*, *gratiosa*, *ornata*. *Tellina crucigera* CAAB.
294. *Tellinella philippii* (Anton, 1844). H.p.574. Syn. *rastellum*. WoRMS accepts *philippii* but shows *rastellum* as an "Alternative representation. This is one where CAAB uses *Tellina philippii* with *Tellina rastellum* and *Tellinella rastellum* as "Other names used in Australia".
295. *Scutarcopagia pulcherrima* syn. *asperrima*. H.p.582, & W. *Tellina pulcherrima* CAAB. *T asperrima* is still listed on CAAB.
296. *Scutarcopagia verrucosa* H. & W. *Tellina verrucosa* CAAB.
297. *Scutarcopagia nelly* Huber, Langleit & Kreipl, 2015, p.583
298. *Tellinota albinella* H. & W. p. 618. *Tellina albinella* CAAB.
299. *Laciolina chloroleuca* H. & W. & CAAB.
300. *Laciolina astrolabei* H. & W. & CAAB.
301. *Laciolina sowerbii* H. & W. & CAAB.
302. *Tonganaella tongana* H & W. *Tellina tongana* CAAB.
303. *Tonganaella perna* (Spengler, 1798) H. WoRMS has "accepted but *Pharaonella perna* *Tellina* (*Pharaonella*) *perna* are accepted alternate representations"
304. *Pharaonella aurea* H. & W. *Tellina pharaonis* CAAB.
305. *Tonganaella perna* H. Not *rostrata* – different shell.
306. *Pharaonella astula* H.& W. *Tellina astula*, *Pharaonella astula* "Other name used.....".
307. *Tellinides striatus* (Gmelin, 1791) syn *T. ovalis* H. & W. *Tellina ovalis* CAAB.
308. *Nitidotellina lux* (Hanley, 1844) H.p.655 & W. *Tellina valtonis* CAAB (*valtonis* is Japanese)
309. *Tellinides cockburnensis* H.&W. *Tellina cockburnensis* CAAB.

310. “*vernalis* does not match”. “..an Australian occurrence of true *vernalis* is not substantiated.” H. p.653. CAAB retains *Tellina vernalis*.
311. *Semelangulus brazieri* (G.B. Sowerby, 1869) H. W. *T. (Semelangulus) brazieri* CAAB
312. “unresolved”
313. *Semelangulus tenuilirata* syn. *semitorta* H.p.677. W. CAAB.
314. *Nitidotellina brazieri* (Tate, 1886) H.p.570, 677.
315. *Nitidotellina australiensis* Huber, Langleit & Kreipl, 2015. p.653-55. Not *T. minuta* CAAB
316. *Exotica compacta* H. p.667. W. *Tellina compacta* CAAB.
317. *Cadella nucleolus* (Deshayes, 1855)H.& W. *Tellina semen* CAAB.
318. *Cadella obtusalis* H.& W. & CAAB.
319. *Cadella diluta* H.& W. & CAAB.
320. *Pinguitellina robusta* H. & W. *Tellina robusta* CAAB.
321. *Pinguitellina pinguis* H. & W. *Tellina pinguis* CAAB.
322. *Abranda casta* H. & W. & CAAB.
323. “Not *Abranda languida*” which IS an Australian species. Image an unresolved species. H. p.687. *Tellina languida* listed on CAAB.
324. *Serratina* sp 3 (undescribed) H. p.591. *Tellina piratica* is a synonym of *Serratina resecta* (Deshayes, 1855) which occurs in Indonesia & West Papua so possibly Australia.
325. *Clathrotellina habrotima* H. p.699. Often confused with *Clathrotellina pretium* which also occurs in Australia. Only *Tellina pretium* is listed on CAAB.
326. *Clathrotellina carnicolor*. Unmentioned in BOA is *Arcopagia dapsilis* Hedley, 1909 which H.et al synonymize with *C. carnicolor*. CAAB uses *Tellina carnicolor*. H.p. 699.
327. *Clathrotellina elegantissima* CAAB uses *Tellina elegantissima*. H. p. 699.
328. Probably a *Cyclotellina* species, undescribed. H. p.695. *Tellina tenuilamellata* CAAB
329. *Jitlada philippinarum* H & W. *Tellina australis*
H et al. state that *T. australis* and the shell illustrated in L&W as *brevialata* are the same species. “Illustrated twice” p.623. CAAB retains L&W names.
330. *Macomona deltoidalis* H. & W. p. 620. *Tellina deltoidalis* CAAB.
331. *Tellinides margaritinus* syn. *T umbonella* H. p. 641 & W. & CAAB.
332. *Tellinota imbellis* H. p. 618 & W. *Tellina imbellis* CAAB
333. *Abranda modestina* H. p.686. & W. & CAAB
334. *Alaola jeanae* CoB &W. *Abranda jeanae* CAAB.
335. *Angulus morrisoni* Huber, Langleit & Kreipl, 2015. H.p. 633. W.
Tellina lanceolata CAAB (the reference is L&W).
336. *Angulus armatus* H. p. 632 & W. *Tellina armata* CAAB. Only known from Australia.
337. *Hanleyanus immaculatus* H.p.645. Not *H.oblonga* which is a syn of *emarginatus*.
Tellina emarginatus CAAB.
338. *Serratina capsoides* H. p.587 & W. *Tellina capsoides* CAAB.
339. *Pristipagia gemonia* H. p. 592. & W. & CAAB.
340. *Serratina siamensis* Martens, 1860. (not *jonasi*) H. p.588. W. *Tellina serricostata* CAAB.
341. *Quidnipagus palatam* H. p594 & W. *Tellina palatam* CAAB.
342. *Cyclotellina remies* H. 694-5 & W & CAAB.
343. “badly preserved” - not *umbonella*. Possibly *Johnsonella fausta* from the Carribean.
H. p.695, 720.
344. *Arcopaginula inflata* H. p.695, & W. *Tellina inflata* CAAB.
345. *Pseudarcopagia decora* (Reeve, 1853) H. p.698 & W. *Tellina victoriae* CAAB
346. *Pseudarcopagia botanica* H. p.698 & W. *Tellina botanica* CAAB
347. *Scutarcopagia scobinata* H. p.581 & W. *Tellina scobinata* CAAB
348. *Scutarcopagia linguafelis* H. p.581 & W. *Tellina linguafelis* CAAB
349. *Apolymetis plicata* (Bory de Saint-Vincent, 1827) H. p.711 & W. *Tellina plicata* CAAB.
Note - the author is not Valenciennes.
350. *Phylloda foliacea* H. p. 672-3 & W. *Tellina foliacea* CAAB.
351. *Abranda hypelliptica* H. p.686, & W. & CAAB.
352. *Quadrans gargadia* H. p. 594-5, W. *Tellina gargadia* CAAB.
353. *Quadrans spinosus* (Hanley, 1844) syn. *parvitas* H. p.595 & W. *Tellina parvitas* CAAB.
354. *Quadrans bougei* H. p.595. & W. *Tellina bougei* CAAB.
355. *Jitlada philippinarum* H & W. see above.
356. *Strigilla grossiana* Hedley, 1908. H. p.701, & W. *Strigilla sincera* CAAB.
357. *Strigilla tomlini* H. p. 702, W. *Strigilla splendida* (Anton, 1838) CAAB.

358. *Strigilla euronio* H. p.702. & W & CAAB
 359. *Praetextillina praetexta* H. p. 740-1, W. *Macoma praetexta* CAAB
 360. *Scissulina dispar* H. p.665, & W. & CAAB.
 361. *Macomopsis moluccensis* (Martens, 1865) syn.*consociata*, syn. *retrorsa*. H. p.724-5 & W. *Tellina consociata* CAAB.
 362. *Psammacoma arafurensis* (Smith, 1885) H. p.727-9. *P.candida* - “definitely not in Australia” (727) *Macoma candida* CAAB
 363. Not *retrorsa* nor *consociata*, nor *Psammacoma* H. p.724. So what is it?????
 364. *Salmacoma vappa* H. p.725-6, W. *Macoma vappa* CAAB.
 365. *Sylvanus lilium* (Hanley, 1844) (small specimen) H. p. 733. & W. *Tellina donaciformis* CAAB. *Sylvanus gen. nov. Huber, Langleit & Kreipl 2015. S. lilium is type for genus.*
 366. *Afsharius murrayi* (E.A.Smith, 1885) H. p.579 & W. *Tellina murrayi* CAAB. No mention was found for *Exotica murrayi* as in BOA1, only the specimen in BOA2-751b.
 367 & 368. *Jactellina clathrata* (Deshayes, 1835) H.p.664-5, W. *Exotica clathrata* & *E. virgulata* CAAB.
 369. *Jactellina texturata* (G.B. Sowerby II, 1867) H. p.664. W. *Exotica assimilis* CAAB.
 370. *Jactellina formosa* (Hanley, 1844) H. p.663. W. *Loxoglypta balansae* CAAB.
 371. *Jactellina obliquaria* (Deshayes, 1855) H. p.663. W. *Tellina obliquaria* CAAB.
 372. “Grossly misidentified” H.p. 647. “Unresolvable” H. p. 721.
 373. *Hanleyanus amboynensis* H.p.647. *Psammotreta amboynensis* CAAB
 374. “Possibly mislocalized” H. p.721. *Psammotreta sanguinolenta* CAAB
 375. *Tellinimactra edentula* (Spengler, 1798) H. p.718. W. *Psammotreta edentula* CAAB
 376. *Leporimetis coarctata* (Philippi, 1845) H. p.715. W. *Leporimetis spectabilis* CAAB – not Australian.
 377. *Macalia bruguieri* H. p. 709. W. & CAAB.

Bivalves of Australia Vol. 2. Lamprell & Healy

- 751a. *Afsharius patagiatus* H. p.578-9, W. *Tellina patagiata* CAAB. This shell is the type for the new genus *Afsharius* Huber, Langleit & Kreipl, 2015.
 b. *Afsharius murrayi* H. p.599 W. *Tellina murrayi* CAAB. It was unclear to me whether this is the same species as L&W sp 366. Both are E.A.Smith, 1885.
 752. *Nitidotellina willani* Huber, Langleit & Kreipl, 2015. H.p 656. Not *Cadella narutoensis* a species from “in and east of the Philippines”. p.685. Philippines – Japan. H. p.252.
 753. *Serratina fissa* (Spengler, 1798) has *Tellina sulcata* Wood, 1815 as a synonym H.p.589. The known location for *S. fissa* is the Red Sea. This remains an unresolved species.

Other Australian species –

- Abranda* sp 2. from Shark Bay, single specimen only. H. p.687.
Cyclotellina sp. H. p.695. Possibly L&W sp.328 is an undescribed species.
Serratina resecta (Deshayes, 1855)
Serratina sp. 3 (illustrated as sp 324 as above) H. p.591
Scutarcopagia squamulosa (A.Adams, 1850) H. p.582
Scutarcopagia semiaspera (Deshayes, 1855) H. p.582
Semelangulus vincentianus (Tate, 1891) H. p.677
Tellinides aequalis (Deshayes, 1855) H. p.640
Leporimetis contorta (Deshayes, 1855) H. p.714
Cadella subdilutus (Tate, 1887) is not in BOA. H. p.684
Pseudopsammobia simplex (Sowerby III, 1894. H. p.255
Iridona chilkaensis (Preston, 1915)
Exotica cygnus (Hanley, 1844)
Exotica triradiata (H.Adams, 1871)
Clathrotellina pretium (Salisbury, 1934)
Arcopagia dapsilis Hedley, 1909, is listed on the CAAB website but not in BOA. It is synonym of *Clathrotellina carnicolor* according to WoRMS.

Abbreviations used.

- BOA – Bivalves of Australia Vols 1 & 2 CoB – Compendium of Bivalves H. - Huber
 CAAB – Codes for Australian Aquatic Biota www.marine.csiro.au/caab
 W. - WoRMS - World Register of Marine Species www.marinespecies.org

Joseph Verco, Rottnest Island and some Trochidae name changes.

Over the Christmas vacation period of 1910-1911, Dr. Joseph Verco, accompanied by his friend the South Australian expert Dr. W.G. Torr, collected and dredged along the south-western Western Australian coastline from Esperance to Albany and from south of Cape Naturaliste to Fremantle and Rottnest Island. Both subsequently published papers on the molluscs found during the trip.

In the week before their return to Adelaide by steamer on Saturday 4 February 1911, Verco and Torr spent a few days on Rottnest Island (Monday 29 January – Thursday 2 February). Among the smaller gastropods collected along the strand – line, Verco recognized a little trochid as a potential new species. In Perth on Friday 3 January, Verco visited the Western Australian Museum where he “saw Mr. Glauert [later Director of the Museum] who had charge of the Natural History Department and he showed me the shells.” (Verco, 1935, p.168). Verco probably gave specimens of the new trochid species to Glauert for the Museum collection, saying that he intended to describe it under the name *Gibbula rotnnestensis*. Glauert dutifully labeled the specimens with this name, Verco’s name and the date of collection and placed them appropriately in the Museum collection. Over time, *Cantharidella* superceded *Gibbula* and the species label was altered accordingly.

Many years later, when selecting species for his wonderful volumes on Australian gastropods (1993-1994), Barry Wilson chose this little trochid and published both description and illustration, with the label identification *Cantharidella rotnnestensis* Verco, 1911. But Verco never wrote a description, or if he did, it was certainly never published. Should it prove to be a good species, which is very likely, it should be assigned to the new genus *Cratidentium* Donald & Spencer, 2016, the species name corrected to *rotnnestense*, Wilson’s figured shell designated as the type specimen and the authorship attributed to Wilson, 1993 in brackets.

An entry for *Cantharidella rotnnestensis* Verco, 1911 in the Australian Faunal Directory (Beechey & Ponder, 2014) states that the species name “is considered as a *nomen nudum* as the original description cannot be found -----”. The name *Cantharidella rotnnestensis* Wilson, 1993 is available if workers wish to establish this taxon.”



Cantharidella rotnnestensis Verco, 1811
2mm. Taken from Wilson, 1993

Donald & Spencer (2016) reviewed phylogeographic patterns of some New Zealand and temperate Australian trochids, foremost of which is their conclusion that the genus *Cantharidus* Montfort, 1819 is restricted to New Zealand waters. For Australian species, their allocation to genera is as follows, together with some of my thoughts on the matter.

- | | |
|-----------|--|
| Family | Trochidae |
| Subfamily | Cantharidinae |
| Genus | <i>Prothalotia</i> Thiele, 1930 (Type: <i>Trochus flindersi</i> Fischer, 1878).
<i>lehmanni</i> (Menke, 1843) SA to central WA
<i>pulcherrima</i> (Wood, 1828) Vic to SWA
<i>ramburi</i> (Crosse, 1864) Vic to SA |
| Subfamily | Trochinae |
| Genus | <i>Cantharidella</i> Pilsbry, 1889 (Type: <i>Gibbula picturata</i> A. Adams & Angas, 1864)
<i>picturata</i> (A. Adams & Angas, 1864) Southern Qld. to eastern Vic. |
| Genus | <i>Cratidentium</i> Donald & Spencer (type: <i>Trochus tiberianus</i> Crosse, 1863)
<i>balteatum</i> (Philippi, 1849) Tas, Vic & SA
<i>beachportense</i> (Cotton & Godfrey, 1934) SA (deep water)
<i>ocellinum</i> (Hedley, 1911) SA (deep water)
<i>rotnnestense</i> (Verco, 1911) SWA
<i>tiberianum</i> (Crosse, 1863) Southern NSW, Vic, Tas. & SA |

The three species of *Prothalotia* are stated to be very close, possibly even forms of the one variable species. Cotton & Godfrey (1934) suggested that *lehmanni* and *ramburi* were one species, a view with which I agree. Their straight or concave whorls between slightly projecting sutures set them apart from *pulcherrima*. Of the five species included in the new genus *Cratidentium*, *C. balteatum* without type locality was selected Cotton & Godfrey, 1934: Cotton, 1959) as the appropriate names for the common SA, Vic. and Tas. specimens we identify as *C. tiberianum*, restricting the latter name to the closely allied form that occurs in NSW (type locality: Coodge Bay, Sydney Harbour). *C. beachportense* and *C. ocellium* are little-known deep-water species from South Australia, for which lack of animals make generic assignment difficult.

The probable story of *C. rotnnestense* is table above, where it is explained that if a good species, it must be attributed to Wilson, 1993 in brackets. Donald & Spencer (2016) had only *C. tibertianum* animals from Victoria to process phylogenetically; its relationship to *C. balteatum* needs further study. To me *C. balteatum* is most likely the name we should use for the species we currently call *C. tibertianum*.

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Robert Burn

March Meeting notes

Platon Vafiadis In February 2017, Platon visited the far eastern Victorian town of Mallacoota. He took various images of the new boat ramp. He also showed images of some marine life found in the area including *Sypharochiton pelliserpentis*, *Thias orbita*, *Morula marginalba*, *Siphonaria funiculata*, and the crab, *Leptograpsis variegatus* and barnacle, *Tessoropora rosea*.

Platon also showed images of two species of the undescribed minute gastropod from the genus *Scalaronoba*. **Michael Lyons** showed underwater footage taken of fish including blue groper from waters adjacent to the jetty at Merimbula NSW. He also showed footage of the large volute, *Cymbiola magnifica*, which was in the process of feeding on a *Cabestana spengleri* in 6 metres of water at the same locality.

Don Cram discussed *Notocypraea dissecta*. The holotype for this species was taken from 45 fathoms off Twofold Bay, Eden, NSW by Captain Moller. Don believes that *Notocypraea piperita*'s distribution ends at around Mallacoota and is replaced by *N. dissecta* in NSW waters. He showed specimens of typical *N. piperita* collected at Mallacoota by Bob Haynes in 1978.

May Meeting notes

Michael Lyons brought in specimens collected over the previous 6 months including:

From Eden NSW: *Sassia parkinsonia*, miniature *Cabestana spengleri* and *Scaechlamys livida*

Kurnell NSW: *Haliotis brazieri*, *Astralium tentoriiformis* and *Amalda oblonga*

Camp Cove NSW: *Tonna tankervillei*, *Callista disrupta*, *Mitra solida* and *Neotrigonia lamarckii*

San Remo jetty: *Granata imbricata*, *Notocypraea piperita* and *Conus anemone*

Stony Point Jetty: *Prototyphis angasi* and *Notochlamys hexactes*

Edithburgh S.A.: *Conus anemone*, *Diodora lincolnensis*, *Notocypraea comptonii*

Waratah Bay: Large dead *Semipallium aktinos* valve, 2 dead (likely subfossil) *Turbo torquata*

Don Cram showed images taken whilst dredging in Westernport Bay with Jack Austin in the early 1990s.

Don also showed remarkable specimens of *Notocypraea* including an exceptional *N. comptonii* with all over spotting very reminiscent of *N. declivis* which was collected from Thistle Island, South Australia and a spectacular white unspotted *N. declivis* from a craypot on the west coast of Tasmania.

Platon Vafiadis Showed images of live animals of *Buccinulum bednalli* and *Calliostoma allporti* collected by Simon Wilson at Cottage by the Sea, Queenscliff; a live *Monstrotyphis angasi* collected by Simon Wilson off Portsea.

Platon also showed images taken during a field trip to Coronet Bay in early May. Images included live animals of: *Ceratosoma brevicaudatum*, *Amblychilepas concatenata*, *Conus anemone*, *Hapalochlaena maculosa*, *Cominella eburnean*, *Microcolus dunkeri*, *Dendrodoris nigra*, *Clanculus plebejus*, *Diala* sp., *Cominella lineolata*, *Hermaea mauiensis*, the urchin *Goniocidaris tuberculosa*, the crab *Heteropilumnus fimbriatus* showing burrowing behavior, tiny squid *Idiosepius notoides*, *Baeolidia macleaya*, *Mitrella leucostoma* and *Mitrella pulla*.

Michael Lyons