

A REVISED CENSUS OF THE MOLLUSCA AND  
BRACHIOPODA IN THE TABLE CAPE BEDS.

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As there is no complete list of the Mollusca and Brachiopoda described from, or attributed to, the Table Cape Tertiary deposits, it seems desirable that such a list, as complete as possible, and on an up-to-date classification, should be issued; more particularly for the convenience of local workers; the references given with each species will also be a useful guide to the study of the original descriptions, and also figures where such have appeared. The best list which has been published is that by R. M. Johnston in these proceedings for 1886, pp. 131-138, in which about 170 named species of Molluscs and 14 of Brachiopods are attributed to Table Cape. In the *Proc. Roy. Soc. Vict.* for 1896, G. B. Pritchard in a valuable contribution to this study has listed about 218 Molluscs and 17 Brachiopods.

A very complete catalogue of Southern Australian and Tasmanian species, was prepared by J. Dennant and A. E. Kitson, on a greatly improved nomenclature, and published in the *Geographical Survey of Victoria* for 1903. This is most helpful, and has been largely followed; some species have been added on their authority, which seem not yet to have been recognised by local workers. I have also been enabled to consult the *British Museum Catalogue of Tertiary Mollusca, Part I., 1897*, by G. F. Harris.

I am now able to add some additional species, principally through the industry of my friend, the veteran Conchologist, Mr. E. D. Atkinson, who has done so much exploration at Table Cape, and whose interest and enthusiasm are unabated. I have to thank him for the gift and loan of many specimens, and much assistance in various directions.

Whilst a certain number of supposed species have been sunk in synonymy, a larger number have been added, so that the present record includes 249 Molluscs and 19 Brachiopods. With respect to the latter I have followed Tate and Dennant in the species they attribute to our fauna; both Johnston and Pritchard add a number of others, but I consider that in the present state of our

knowledge, these records are not sufficiently confirmed, and they are omitted.

The species described by Tenison-Woods in 1876 were not figured at that time, some were afterwards illustrated by Professor Tate, but many remained unfigured until recently, when I was able to deal with a considerable number. Several of his species still remain doubtful, and this is also the case with a few of R. M. Johnston's species described in 1879. For further information on these matters, the student is referred to my paper in the present volume of these proceedings. A few of the species are rather doubtfully placed in their present generic location, this applies more particularly to those forms included in the *Turridæ = Pleurotomidæ*.

In conclusion it is known that there are a number of additional forms in these beds which are unidentified; probably many are undescribed, and I hope at some future date to deal with some of these.

#### LIST OF SPECIES.

1. *Nucula obliqua*, Lamarck, An. S. Vert. VI., 1819, p. 59; Chenu., Man. Conch. II., 1862, p. 179, f. 897 = *N. tumida*, Tenison-Woods, Pro. Roy. Soc. Tasm. for 1876, p. 111; preocc. by Hinds = *N. tenisoni*, Pritchard, 1896. Tate, Pro. Roy. Soc. S.A., 1887, p. 127, Pl. VI., figs. 6a, 6b.
2. *N. atkinsoni*, Johnston, *Portlandia*, Pro. Roy. Soc. Tasm. for 1879, p. 39. Tate, *op. cit.*, p. 127, Pl. IV., fig. 3a, 3c.
3. *N. fenestralis*, Tate, *op. cit.*, 1887, p. 129, Pl. IV., fig. 4.
4. *Nuculana apiculata*, Tate, *Leda*, *op. cit.*, 1887, p. 131, Pl. IX., figs. 4a, 4b.
5. *N. crebrecostrata*, Tenison-Woods, *Leda*, Pro. Roy. Soc. Tasm. for 1876, p. 112. Type Hobart. Tate, *op. cit.*, p. 133, Pl. V., figs. 5a, 5b.
6. *N. fontinalis*, Pritchard, *Leda*, Pro. Roy. Soc. Vict. 1901, p. 28, Pl. III., figs. 3, 3a.
7. *N. huttoni*, Tenison-Woods, *Leda*, Pro. Lin. Soc. N.S.W., 1879. Vol. III., p. 239, Pl. XXI., fig. 2. Tate, *op. cit.*, p. 130, Pl. VI., fig. 4.
8. *N. praelonga*, Tate, *Leda*, *op. cit.*, 1887, p. 132, Pl. XII., figs. 4a, 4b.

9. *N. vagans*, Tate, *Leda*, *op. cit.*, IX., 1887, p. 188 (*nom. mut.*)=*L. lucida*, Tenison-Woods, *op. cit.*, 1879, p. 3, Pl. I., fig. 5 (*non* Lovén, 1846). Tate, *op. cit.*, p. 131, Pl. VI., figs. 7a, 7b.
10. *N. woodsi*, Tate, *Leda*, *op. cit.*, p. 133, Pl. IX., fig. 8=*Leda inconspicua*, Tenison-Woods (*non* A. Adams).
11. *Cucullæa corioensis*, McCoy, *Prod. Pal. Vict.*, 1876, Dec. III., Pl. XXVII., figs. 3-5.
12. *Limopsis belcheri*, Adams and Reeve, *Pectunculus*, *Voy. Samarang*, 1850, p. 76, Pl. XXII., fig. 5. A doubtful determination.
13. *L. aurita*, Brocchi, *Conch. foss. Subap.*, Vol. II., Pl. XI., fig. 9. Tate, *op. cit.*, p. 134. Johnston, *Geo. Tas.*, Pl. XXXII., fig. 7. This may be *L. morningtonensis*, Pritchard, *P.R.S. Vict.*, 1901, p. 24, Pl. II., fig. 6.
14. *Arca celleporacea*, Tate, *op. cit.*, 1887, p. 141, Pl. X., fig. 10.
15. *A. limatella*, Tate, *op. cit.*, p. 141, Pl. X., fig. 2.
16. *A. pseudonavicularis*, Tate, *op. cit.*, p. 139, Pl. XI., fig. 8.
17. *Glycymeris cainozoicus*, Tenison-Woods, *Pectunculus*, *Pro. Roy. Soc. Tasm. for 1876*, p. 111. Type Hobart. Tate, *op. cit.*, p. 136, Pl. X., figs. 8a, 8b.
18. *G. laticostatus*, Quoy and Gaimard, *Pectunculus*, *Voy. de l'Astrolabe*, 1834, Vol. III., p. 466, Pl. LXXVII., figs. 4-6=*P. mccoysi*, Johnston, *Pro. Roy. Soc. Tasm.*, 1879, p. 41. *Id.*, *Geo. Tas.*, Pl. XXXI., figs. 1, 1a, 1b.
19. *Ostrea hyotidoidea*, Tate, *op. cit.*, 1900, p. 286, Pl. VI., fig. 5.
20. *Trigonia semiundulata*, McCoy, *Geo. Mag. Vict.*, p. 481. *Id.*, *Prod. Pal. Vict.* 1876, Dec. II., Pl. XIX., figs. 4-5.
21. *Pecten foulcheri*, Tenison-Woods, *Pro. Phil. S. Adelaide*, 1865. Pl. I., fig. 3.
22. *P. polymorphoides*, Zittel, *Pal. von New Sealand*, p. 51, Pl. XI., fig. 3. Tate, *op. cit.*, 1887, p. 113, Pl. VIII., fig. 2.
23. *Pseudamussium hochstetteri*, Zittel, *op. cit.*, p. 50, Pl. XI., figs. 5a-5c. Tenison-Woods, *op. cit.*, 1865, Pl. I., fig. 5; as *P. pleuronectus*, Gmelin.

24. *P. yahleensis*, Tenison-Woods, *op. cit.*, 1865, Pl. I., fig. 4.
25. *Amusium zitteli*, Hutton, Cat. Tert. Moll. N.Z., 1873, p. 32. No. 118. Tate, *op. cit.*, 1887, p. 115, Pl. VII., figs. 3, 3a=*A. atkinsoni*, Johnston, 1879. Type Hobart.
26. *Hinnites corioensis*, McCoy, Pro. Pal. Viet., 1876, Dec. VI., Pl. LVIII.
27. *Spondylus gaderopoides*, McCoy, *op. cit.*, Dec. IV., p. 27, Pl. XXXVIII. figs. 1-1d.
28. *S. pseudoradula*, McCoy, *op. cit.*, Dec. V., p. 17, Pl. XLV., fig. 2.
29. *Plicatula ramulosa*, Tate, Pro. Roy. S. N.S. Wales, 1898, p. 408, Pl. XIX., fig. 2.
30. *Dimya dissimilis*, Tate, Tran. Roy. Soc. S.A., 1887, p. 100, Pl. III., figs. 9a, 9c.
31. *Lima bassi*, Tenison-Woods, Pro. Roy. Soc. Tasm. for 1876, p. 112. Type? Hobart. Tate, *op. cit.*, p. 117, Pl. V., fig. 8. *Id.*, Pl. VIII., fig. 1.
32. *L. crebresquamata*, Tate, *op. cit.*, 1900, p. 274.
33. *L. linguliformis*, Tate, *op. cit.*, 1887, p. 118, Pl. III., figs. 1a, 1b.
34. *Limatula jeffreysiana*, Tate, *op. cit.*, p. 119, Pl. IV., fig. 8.
35. *Limea transeuna*, Tate, *op. cit.*, p. 119, Pl. IX., figs. 6a, 6b.
36. *Monia sella*, Tate, *Placunanomia*, *op. cit.*, p. 102, Pl. V., figs. 1a-1c.
37. *Crenella globularis*, Tate, *op. cit.*, p. 126, Pl. X., figs. 3a, 3b.
38. *Myodora æquilateralis*, Johnston, Pro. Roy. S. Tas., 1879, p. 40. Type Hobart. Tate, *op. cit.*, p. 179, Pl. XVII., fig. 8. Distinct from *M. brevis*, Stutch.
39. *M. australis*, Johnston, *op. cit.*, p. 40. Tate, *op. cit.*, p. 174, Pl. XVII., figs. 10a, 10b. Type Hobart.
40. *Cleidothærus albidus*, Lamarek, *Chama*, An. S. Vert. VI., 1819, p. 96. Chenu., *Illus. Conch.* 1845, Pl. I.=*Chamostrea crassa*, Tate, P.R.S. Tas., 1884, p. 228.
41. *Crassatellites communis*, Tate and Dennant, T.R.S. S. Aus., 1893, p. 224, *nom. mut.*=*C. astartiformis*. Tate, *op. cit.*, 1886, p. 147, Pl. XI., figs. 12-15 (*non* Nyst).

42. *C. oblonga*, Tenison-Woods, Pro. Roy. S. Tasm., 1875 (1876), p. 25, Pl. II., fig. 11. Type Hobart. = *C. aphrodina*, Tenison-Woods, *op. cit.*, p. 24, Pl. III., fig. 12. Type Hobart.
43. *Carditella lamellata*, Tate, *Gouldia*, *op. cit.*, 1887, p. 148, Pl. II., fig. 17.
44. *Cardita platicostata*, Johnston, *Mytilicardia*, Pro. Roy. S. Tasm. for 1879, p. 40.
45. *Venericardia gracillicostata*, Tenison-Woods, *Cardita*, Pro. Roy. S. Tasm. for 1876, p. 112. Type Hobart. Tate, *op. cit.*, p. 152, Pl. II., figs. 6-8.
46. *V. scabrosa*, Tate, *Cardita*, *op. cit.*, p. 152, Pl. XI., fig. 4.
47. *V. tasmanica*, Tate, *Cardita*, *op. cit.*, p. 154, Pl. XII., fig. 13.
48. *V. trigonalis*, Tate, *Cardita*, *op. cit.*, p. 157, Pl. II., fig. 1.
49. *Chama lamellifera*, Tenison-Woods, Pro. Roy. S. Tasm. for 1876, p. 114. Type Hobart. Tate, *op. cit.*, p. 149, Pl. XIV., figs. 5a, 5b.
50. *Lucina planatella*, Tate, Pro. Roy. Soc. Tasm. for 1884, p. 229. *Id.*, Tran. Roy. Soc. S. Aust. 1887, p. 146, Pl. XII., fig. 11.
51. *Diplodonta balcombensis*, Pritchard, Vict. Nat. 1906, p. 117, *nom. mut.* = *D. subquadrata*, Tate, *op. cit.*, 1887, p. 147, Pl. XIV., figs. 10a-10b. (*non* Carpenter, 1855).
52. *D. suborbicularis*, Tate, *Sacchia*, *op. cit.*, p. 147, Pl. XVIII., figs. 10a-10c.
53. *Protocardium hemimeris*, Tate, *Cardium*, *op. cit.*, p. 152, Pl. XIV., figs. 14a, 14b.
54. *Cardium pseudomagnum*, McCoy, Pro. Pal. Vict. Dec. V., 1877, Pl. XXIV., fig. 1.
55. *C. septuagenarium*, Tate, *op. cit.*, p. 151. Johnston, Geo. Tasm., p. 234, Pl. XXXII., figs. 15-16.
56. *Dosinia densilineata*, Pritchard, Pro. Roy. S. Vict. 1896, p. 135, Pl. IV., figs. 5-7.
57. *Meretrix submultistriatus*, Tate, *op. cit.*, p. 160, Pl. XVIII., figs. 6-8.
58. *M. tenuis*, Tate, *op. cit.*, p. 159, Pl. XIV., fig. 16.
59. *Chione allporti*, Tenison-Woods, Pro. Roy. Soc. Tasm. for 1875, p. 26, Pl. III., fig. 10. Type Hobart.

60. *C. cainozoica*, Tenison-Woods, *op. cit.*, for 1876, p. p. 113. Type Hobart. Tate, *op. cit.*, p. 156, Pl. XVI., figs. 3-3b.
61. *C. hormophora*, Tate, Pro. Roy. S. Tasm. 1884, p. 120. *Id.*, Tran. Roy. Soc. S.A. 1887, p. 155, Pl. XV., figs. 1-1b.
62. *C. multilamellata*, Tate, *op. cit.*, p. 154, Pl. XV., figs. 6a, 6b.
63. *C. multitæniata*, Tate.
64. *C. propinqua*, Tenison-Woods, *op. cit.*, p. 113. Type? Hobart. Tate, *op. cit.*, p. 157, Pl. XIV., figs. 7-8.
65. *Tellina cainozoica*, Tenison-Woods, *op. cit.*, p. 113. Tate, *op. cit.*, p. 164, Pl. XVIII., fig. 5.
66. *T. masoni*, Tate, *op. cit.*, p. 160, Pl. XVI., figs. 6a, 6b.
67. *Gari æqualis*, Tate, *op. cit.*, p. 168, Pl. XVI., fig. 10.
68. *G. hamiltonensis*, Tate, *op. cit.*, p. 167, Pl. XVI., fig. 13.
69. *Mactra howchiniana*, Tate, *op. cit.*, p. 171, Pl. XVII., figs. 3-3b.
70. *Solecurtus legrandi*, Tenison-Woods, *op. cit.* for 1875, p. 25, fig. 14. Type Hobart. Tate, *op. cit.*, p. 181, Pl. XVII., fig. 15.
71. *Corbula ephamilla*, Tate, Pro. Roy. S. Tasm. for 1884, p. 129. Tate, Tran. Roy. S.S.A. 1887, p. 176, Pl. XVII., figs. 13a-b, and 14.
72. *C. pyxidata*, Tate, *op. cit.*, p. 177, Pl. XVII., figs. 12a-b.
73. *Panope agnewi*, Tenison-Woods, *Lyonsia*, Pro. Roy. S. Tasm. for 1875, p. 25, fig. 13. Type Hobart.
74. *P. orbita*, Hutton, Quart. Jour. Geo. Sci. 1885, Vol. 41, p. 551. Tate, *op. cit.*, p. 179, Pl. XVIII., fig. 3.
75. *Solecurtus legrandi*, Tenison-Woods, *op. cit.*, p. 25, fig. 14. Type Hobart. Tate, *op. cit.*, p. 181, Pl. XVII., fig. 15.
76. *Zenatopsis fragilis*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 139, Pl. IV., figs. 3-4.
77. *Phragmorisma anatinæformis*, Tate, Pro. Roy. Soc. N.S. Wales 1893, p. 189, Pl. XII., fig. 1.

78. *Chiton fossicius*, Ashby and Torr, Pro. Roy. Soc. S. A. 1901, p. 140, Pl. IV., fig. 4.
79. *C. paucipustulosus*, Ashby and Torr, *op. cit.*, p. 141, Pl. IV., fig. 2.
80. *Lorica duniana*, Hull, Pro. Lin. Soc. N.S.W. 1910, p. 654, Pl. XVII., figs. 1-2.
81. *Loricella atkinsoni*, Hull, *op. cit.*, 1914, p. 856, Pl. XCIV., figs. 3-3a.
82. *L. magnifica*, Hull, *op. cit.*, p. 855, Pl. XCIV., figs. 1-1a.
83. *L. octoradiata*, Hull, *op. cit.*, p. 856, Pl. XCIV., fig. 2.
84. *Pleurotomaria bassi*, Pritchard, Pro. Roy. Soc. Vic. 1903, p. 85, Pl. XIII., figs. 1-2.
85. *Tugalia crassireticulata*, Pritchard, *op. cit.*, 1896, p. 125, Pl. III., figs. 4-5.
86. *Emarginula transenna*, Tenison-Woods, Pro. Roy. Soc. Tas. 1876-7, p. 103. May, P.R.S. Tasm. 1918, p. 70, Pl. VIII., fig. 1. Co-type Hobart.
87. *Megatebennus malleata*, Tate, Tran. Roy. Soc. S.A. 1882, p. 146. *Id.*, Pro. Roy. Soc. Tas. 1884, p. 211. Harris, Cat. Tert. Moll. Pt. I., 1897, p. 287, Pl. VIII., figs 5a-c.
88. *Puncturella hemipsila*, Tate, Pro. Roy. Soc. N.S. Wales for 1897, p. 406, Pl. XX., figs. 5a-b.
89. *Haliotis ovinoides*, McCoy, Pro. Pal. Vic., Dec. III., p. 24, Pl. XXV., figs. 2-2b.
90. *Margarita clarkei*, Tenison-Woods, *Gibbula*, *op. cit.*, 1876, p. 114. May, *op. cit.*, 1910, p. 70, Pl. VIII., fig. 2. Type Hobart.
91. *M. æquisulcata*, Tenison-Woods, *op. cit.*, p. 98, *Gibbula*, May, *op. cit.*, p. 70, Pl. VIII., fig. 3. Type Hobart.
92. *Minolia kekwicki*, Tenison-Woods, *Margarita*, *op. cit.*, p. 97. May, *op. cit.*, p. 71, Pl. IX., fig. 8. Type Hobart.
93. *Calliostoma alternata*, Tenison-Woods, *Thalotia*, *op. cit.*, p. 97.
94. *C. atomus*, Johnston, Pro. Roy. Soc. Tas. 1879, p. 38.
95. *C. blaxlandi*, Tenison-Woods, *Zizyphinus*, *op. cit.*, p. 96.

96. *C. latecarina*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 120, Pl. III., figs. 10-11.
97. *C. serratulus*, Pritchard, *Cantharidus*, *op. cit.*, 1904, p. 331, Pl. XIX., figs. 5-8.
98. *C. tasmanica*, Johnston, *op. cit.*, p. 38. Type Hobart.
99. *Infundibulum latusulcatum*, Tate, Pro. Roy. Soc. N.S. Wales 1898, p. 404, Pl. XX., figs 10a-b.
100. *Delphinula gibbuloides*, Tenison-Woods, *Solarium*, *op. cit.*, p. 97. Pritchard, *op. cit.*, 1896, p. 122. May, Pro. Roy. Soc. Tas. 1918, p. 70, Pl. VIII., fig. 5.
101. *D. imparigranosa*, Pritchard, *op. cit.*, p. 121, Pl. III., figs. 8-9.
102. *Euchelus woodsi*, Johnston, *op. cit.*, p. 38. May, *op. cit.*, p. 71, Pl. IX., fig. 10. Type Hobart.
103. *Turbo atkinsoni*, Pritchard, *op. cit.*, p. 118, Pl. III., fig. 12.
104. *T. etheridgei*, Tenison-Woods, *op. cit.*, p. 98. Type Hobart.
105. *Astræa crassigranosa*, Tenison-Woods, *Gibbula*, *op. cit.*, p. 98. May, *op. cit.*, p. 70, Pl. VIII., fig. 4. Type Hobart.
106. *A. flindersi*, Tenison-Woods, *Astralium*, *op. cit.*, p. 95. May, *op. cit.*, p. 71, Pl. X., fig. 11.
107. *A. hudsoniana*, Johnston, *Imperator*, Geo. Tas, 1888, Pl. XXIX., figs. 12-12a. = *Astralium johnstoni*, Pritchard, *op. cit.*, p. 116. Type Hobart.
108. *A. ornatissima*, Tenison-Woods, *Astralium*, *op. cit.*, p. 96. Type Hobart. May, *op. cit.*, p. 70.
109. *Cirsonella lævis*, Johnston, *Adeorbis*, Pro. Roy. Soc. Tas. 1879, p. 33. May, *op. cit.*, p. 71, Pl. IX., fig. 9. Type Hobart.
110. *Collonia otwayensis*, Pritchard, Pro. Roy. Soc. Vict. 1904, p. 331, Pl. XVIII., figs. 6-7.
111. *Liotella annulata*, Tenison-Woods, *Liotia*, *op. cit.*, 1877, p. 121. Tryon, Man. Conch. X., 1888, p. 111, Pl. XXXVI., fig. 20. May, *op. cit.*, p. 71.
112. *Liotina lamellosa*, Tenison-Woods, *Liotia*, *op. cit.*, 1876, p. 96. = *L. roblini*, Johnston, *op. cit.*, p. 39. Harris, Cat. Tert. Moll. 1897, p. 284, Pl. VIII., figs. 4a-c. May, *op. cit.*, p. 71.
113. *Fossarus refractus*, Tate, Pro Roy. Soc. N.S. Wales 1897, p. 400, Pl. XIX., fig. 9.



114. *Rissoa?* *stephensiana*, Tenison-Woods, *op. cit.*, p. 100.
115. *Haurakia tateana*, Tenison-Woods, *Rissoina, op. cit.*, p. 114. Johnston, *Geo. Tas.*, Pl. XXXI., fig. 18. May, *op. cit.*, p. 72, Pl. XI., fig. 18. Type Hobart.
116. *Estea varicifera*, Tenison-Woods, *Rissoina, op. cit.*, p. 101. May, *op. cit.*, p. 73, Pl. XI., fig. 19. Types? Hobart.
117. *Rissoina concatenata*, Tenison-Woods, *op. cit.*, 1877, p. 155. Type Hobart.
118. *Sigapatella subtabulata*, Tate, *Calyptræa*, *Tran. Roy. Soc. S.A.* 1893, p. 332, Pl. VII., fig. 1.
119. *Calyptropsis umbilicata*, Johnston, *Pro. Roy. Soc. Tasm.* 1884, p. 232, figures. Type Hobart.
120. *Crepidula hainsworthi*, Johnston, *op. cit.*, p. 232, figures. Type Hobart.
121. *Brittium johnstoni*, Tenison-Woods, *Rissoina, op. cit.*, 1876, p. 101. May, *op. cit.*, p. 73, Pl. XI., fig. 19. Type Hobart.
122. *Cerithium pritchardi*, Harris, *Cat. Tert. Moll.* 1897, p. 225, Pl. VII., fig. 3, *nom. mut.* = *P. semicos-tatum*, Tate, *Pro. Roy. Soc. Tasm.* 1884, p. 226 (*non* Deshayes).
123. *Potamides wynyardensis*, Tate, *nom. mut.* = *P. pyra-midale*, Tate, *op. cit.*, p. 226.
124. *Triphora tasmanica*, Tenison-Woods, *op. cit.*, 1875, p. 28. Type Hobart. Hedley, *Pro. Lin. Soc. N.S.W.* 1894, p. 612, Pl. XXXII., fig. 22. Specimen collected by Mr. E. D. Atkinson.
125. *Turritella acricula*, Tate, *Tran. Roy. Soc. S.A.* 1893, p. 339, Pl. VIII., fig. 4, and Pl. IX., figs. 4, 7, 12.
126. *T. conspicabilis*, Tate, *op. cit.*, p. 339, Pl. VIII., fig. 7.
127. *T. murrayana*, Tate, *Pro. Roy. Soc. Tasm.* 1884, p. 227. *Id.*, *Tran. Roy. Soc. S.A.* 1893, p. 340, Pl. VIII., fig. 3.
128. *T. tristria*, Tate, 1884, p. 227, *op. cit.* *Id.*, *op. cit.*, 1893, p. 338, Pl. VIII., fig. 8, and Pl. X., fig. 3.

129. *T. warburtoni*, Tenison-Woods, Pro Roy. Soc. Tas. 1876, p. 99. Type Hobart. Tate, *op. cit.*, p. 337, Pl. VIII., fig. 2. = *T. sturtii*, Tenison-Woods, *op. cit.*, p. 99. Tate, *op. cit.*, p. 338, Pl. VIII., fig. 6.
130. *Crossea princeps*, Tate, *op. cit.*, 1890, p. 220. *Id.*, 1892, Pl. VIII., figs. 6-6a.
131. *C. sublabiata*, Tate, *op. cit.*, p. 221. *Id.*, 1892, Pl. VI., fig. 9.
132. *C. tetragonostoma*, Tenison-Woods, *Delphinula*, *op. cit.*, p. 96. May, Pro. Roy. Soc. Tasm. 1918, p. 70, Pl. IX., fig. 6. Type Hobart.
133. *Vermicularia conohelix*, Tenison-Woods, *op. cit.*, p. 100. Tate, *op. cit.*, 1893, p. 343, Pl. IX., fig. 11. Type Hobart.
134. *V. rudis*, Tate, *op. cit.*, p. 343, Pl. IX., fig. 8.
135. *Siliquaria oclusus*, Tenison-Woods, *op. cit.*, p. 100. Type Hobart.
136. *Tylospira coronata*, Tate, *Pellicaria*, *op. cit.*, p. 171, Pl. X., figs. 6-13. Harris, Cat. Tert. Moll. I., p. 222, Pl. VI., figs. 9a-b.
137. *Zemira præcursoria*, Tate, *op. cit.*, 1888, p. 163, Pl. XI., fig. 5.
138. *Epitonium foliosa*, Tate, *Scalaria*, *op. cit.*, 1889, p. 226. *Id.*, 1891, Pl. XI., fig. 4.
139. *E. inornata*, Tate, *Scalaria*, *op. cit.*, p. 232, Pl. X., fig. 6.
140. *Strombiformis johnstoniana*, Tate, *Leiostraca*, Pro. Roy. Soc. Tas. 1884, p. 227.
141. *Cymatium abbotti*, Tenison-Woods, *Triton*, Proc. Roy. Soc. Tasm. 1874, p. 24, Pl. I., fig. 8. Type Hobart.
142. *C. crassicostratus*, Tate, *Triton*, Tran. Roy. Soc. S.A. 1888, p. 125, Pl. XI., fig. 4.
143. *C. tortirostris*, Tate, *Triton*, *op. cit.*, p. 128, Pl. V., fig. 7. = *Triton minimum*, Tenison-Woods, *op. cit.*, 1876, p. 107 (*non* Hutton).
144. *C. woodsi*, Tate, *Triton*, Pro. Linn. Soc. N.S.W. 1880, p. 15, Pl. III., figs. 1-2. *Id.*, Tran. Roy. Soc. S.A. 1888, p. 119, Pl. V., figs. 4-6.
145. *Rapana aculeata*, Tate, *op. cit.*, p. 113, Pl. II., fig. 8.

146. *Phalium sufflatum*, Tenison-Woods, *Cassis*, *op. cit.*, 1876, p. 23. Tate, *op. cit.*, 1889, p. 166, Pl. VIII., fig. 2. Type Hobart.
147. *Morio gradata*, Tate, *Cassidaria*, *op. cit.*, p. 169, Pl. VIII., fig. 1.
148. *Natica sub-noae*, Tate, *op. cit.*, 1893, p. 320, Pl. VI., fig. 1.
149. *N. vixumbilicata*, Tenison-Woods, *op. cit.*, p. 111. Tate, *op. cit.*, Pl. X., fig. 9. Type Hobart.
150. *N. wintlei*, Tenison-Woods, *op. cit.*, 1875, p. 23, Pl. I., fig. 3.
151. *Friginatica polita*, Tenison-Woods, *Natica*, *op. cit.*, p. 23, Pl. I., fig. 4. Type Hobart.
152. *Cypraea archeri*, Tenison-Woods, *op. cit.*, p. 23, Pl. I., fig. 9. Tate, *op. cit.*, 1890, p. 205, Pl. VI., fig. 1.
153. *C. consobrina*, McCoy, *Prod. Pal. Vic. Dec. V.*, 1877, Pl. XLIV., figs. 2-2c.
154. *C. eximia*, G. B. Sowerby, *Strzelecki's Phys. N.S. Wales, etc.*, 1845, p. 296, Pl. XIX., figs. 1-3.
155. *C. leptorhyncha*, McCoy, *op. cit.*, Pl. XLIV., figs. 1-1c.
156. *C. ovulatella*, Tate, *op. cit.*, 1890, p. 208, Pl. VI., figs. 7-7a.
157. *C. platypyga*, McCoy, *op. cit.*, Dec. III., p. 40, Pl. XXX., figs 2-2c. *Var. angustior*, Pritchard, *Pro. Roy. Soc. Vict.* 1896, p. 107, Pl. IV., figs. 8-9.
158. *C. platyrhyncha*, McCoy, *op. cit.*, Pl. XXX., figs. 2-20.
159. *C. sphaerodoma*, Tate, *op. cit.*, p. 209, Pl. VIII., fig. 5.
160. *C. subsidua*, Tate, *op. cit.*, p. 204. *Id.*, 1892, Pl. V., fig. 3.
161. *Trivia avellanoides*, McCoy, *op. cit.*, Dec. III., p. 36.
162. *Erato duplicata*, Johnston, *Geo. Tas.*, Pl XXXI., fig. 14. Tate, *op. cit.*, 1890, p. 217.
163. *E. minor*, Tate, *op. cit.*, 1890, p. 215. *Id.*, 1892, Pl. XIII., figs. 10-10a.
164. *Volutilithes anticengulatus*, McCoy, *op. cit.*, Dec. I., p. 24, Pl. VI., figs. 2-4.
- 164a. *Var. indivisa*, McCoy, *op. cit.*, p. 25.

- 164b. *Var. persulcata*, McCoy, *op. cit.*, p. 25.
165. *Voluta ancilloides*, Tate, Tran. Roy. Soc. S.A. 1889, p. 126, Pl. III., fig. 7.
166. *V. alticostata*, Tate, *op. cit.*, p. 122, Pl. V., fig. 7.
167. *V. atkinsoni*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 100, Pl. III., fig. 1.
168. *V. halli*, Pritchard, *op. cit.*, p. 101, Pl. II., figs. 1-3.
169. *V. lirata*, Johnston, Pro. Roy. Soc. Tas. 1879, p. 37. *Id.*, Geo. Tas., Pl. XXX., fig. 10.
170. *V. maccoyi*, Tenison-Woods, Pro. Roy. Soc. Tas. 1876, p. 95. Tate, *op. cit.*, p. 126, Pl. II., fig. 1.
171. *V. macroptera*, McCoy, Prod. Pal. Vic. Dec. I., Pl. VIII., figs. 1-4.
172. *V. mortoni*, Tate, *op. cit.*, p. 124, Pl. IX., figs. 1-2.
173. *V. pellita*, Johnston, *op. cit.*, p. 36. *Id.*, Geo. Tas., Pl. XXX., fig. 2. Type Hobart.
174. *V. stephensi*, Johnston, *op. cit.*, p. 35. *Id.*, Geo. Tasm., Pl. XXX., fig. 1. Type Hobart.
175. *V. spenceri*, Pritchard, *op. cit.*, p. 98, Pl. IV., fig. 1-2.
176. *V. strophodon*, McCoy, Pro. Pal. Vic. Dec. IV., p. 25, Pl. XXXVII., figs. 2-4c.
- 176a. *Var. stolidia*, Johnston, *op. cit.*, p. 36. *Id.*, Geo. Tas., Pl. XXX., figs. 4-4a. Type Hobart.
177. *V. tateana*, Johnston, *op. cit.*, p. 37. *Id.*, Geo. Tas., Pl. XXX., figs. 3-3d. Type Hobart.
178. *V. weldii*, Tenison-Woods, *op. cit.*, 1875, p. 24, Pl. I., fig. 2. Type Hobart.
- 178a. *Var. angustior*, Pritchard, P.R.S. Vict. 1913, p. 194, Pl. XX., figs. 4-5.
- 178b. *Var. intermedia*, Pritchard, *op. cit.*, p. 194, Pl. XX., figs. 2-3.
179. *V. wynyardensis*, Pritchard, *op. cit.*, 1913, p. 200, Pl. XXI., figs. 1-2.
180. *Lyria semiacuticostata*, Pritchard, *op. cit.*, 1896, p. 91, Pl. II., fig. 8.
181. *Ancilla hebera*, Hutton, Cat. Tert. Moll. 1873, p. 6. Tate, Tran. Roy. Soc. S.A. 1889, p. 147, Pl. VII., fig. 5. Johnston, Geo. Tas., Pl. XXXI., fig. 12.
182. *A. orycta*, Tate, *op. cit.*, 1889, p. 146, Pl. X., fig. 5.
183. *A. pseudaustralis*, Tate, *op. cit.*, p. 148, Pl. VI., fig. 13, and Pl. VII., fig. 1.

184. *Marginella inermis*, Tate, Tran. Phil. Soc. S. Aust. 1878, p. 93.
185. *M. octoplicata*, Tenison-Woods, Pro. Roy. Soc. Tasm. 1876, p. 109. Johnston, Geo. Tas., Pl. XXXI., fig. 6.
186. *M. strombiformis*, Tenison-Woods, *op. cit.*, p. 109. Johnston, *op. cit.*, Pl. XXXI., figs. 4-4a. Type Hobart.
187. *M. wentworthi*, Tenison-Woods, *op. cit.*, p. 109. Johnston, *op. cit.*, Pl. XXXI., figs. 5-5a. Type Hobart.
188. *Cancellaria atheridgei*, Johnston, Pro. Roy. Soc. Tas. 1879, p. 32. Tate, Tran. Roy. Soc. S. Aus. 1889, p. 157, Pl. IX., fig. 6. Type Hobart.
189. *Terebra additoides*, Tenison-Woods, *op. cit.*, p. 95. Type Hobart. = *T. pragracilicostata*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 104, Pl. II., fig. 9.
190. *T. simplex*, Tenison-Woods, *op. cit.*, 1875, p. 21, Pl. I., fig. 1. Type Hobart.
191. *Conus complicatus*, Tate, *op. cit.*, 1890, p. 195, Pl. VIII., fig. 8.
192. *Bathytoma paracantha*, Tenison-Woods, *Pleurotoma*, *op. cit.*, 1876, p. 105. Type Hobart.
193. *Surcula johnstoni*, Tenison-Woods, *Pleurotoma*, *op. cit.*, p. 105.
194. *S. pullulascens*, Tenison-Woods, *op. cit.*, p. 104. May, Pro. Roy. Soc. Tas. 1918, p. 72, Pl. X., fig. 12. Type Hobart.
195. *S. wynyardensis*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 109, Pl. II., figs. 12-13.
196. *Drillia crenularoides*, Pritchard, *op. cit.*, p. 110, Pl. III., fig. 6-7.
197. *D. sandleroides*, Tenison-Woods, *Pleurotoma*, *op. cit.*, p. 104. Type Hobart. May, *op. cit.*, 1918, p. 72, Pl. X., fig. 13.
198. *Daphnobela gracillima*, Tenison-Woods, *Daphnella*, *op. cit.*, p. 106. Type Hobart. Harris, Cat. Tert. Moll. Pt. I., 1897, *Teleochilus gracillimum*, p. 65, Pl. III., figs. 12a-d.
199. *Buchozia columbelloides*, Tenison-Woods, *Daphnella*, *op. cit.*, p. 105. Co-types Hobart. = *Thala marginata*, Tenison-Woods, *op. cit.*, p. 108. Type Hobart. May, *op. cit.*, p. 72, Pl. X., fig. 14.

200. *Cordiera conospira*, Tate, Pro. Roy. Soc. N.S. Wales for 1897, p. 396, Pl. XIX., fig. 12.
201. *Bela tenuisculpta*, Tenison-Woods, *Daphnella*, *op. cit.*, p. 106. Type Hobart. Tate, *op. cit.*, 1894, p. 221.
202. *B. woodsii*, Tate, *op. cit.*, 1888, Pl. I v., fig. 3. = *Cominella cancellata*, Tenison-Woods, *op. cit.*, 1876, p. 107. Type Hobart.
203. *Fasciolaria decipiens*, Tate, *op. cit.*, 1888, p. 150, Pl. VIII., fig. 1.
204. *F. johnstoni*, Tenison-Woods, *Fusus*, *op. cit.*, p. 94. Tate, *op. cit.*, p. 136, Pl. XII., figs. 4a-4b. Harris, *op. cit.*, p. 142, *Fasciolaria*.
205. *Latirus affinis*, Tate, *Peristernia*, *op. cit.*, 1888, p. 157, Pl. XI., fig. 7.
206. *L. aldingensis*, Tate, *Peristernia*, *op. cit.*, p. 156, Pl. VIII., figs. 8-8b.
207. *L. murrayana*, Tate, *Peristernia*, *op. cit.*, p. 155. *Id.*, 1889, Pl. IV., fig. 4. *Var. costata*, Pritchard, *op. cit.*, p. 87, Pl. II, fig. 4.
208. *L. semiundulata*, Pritchard, *Peristernia*, *op. cit.*, p. 89, Pl. II., figs. 10-11.
209. *L. transenna*, Tenison-Woods, *Fusus*, *op. cit.*, 1876, p. 94. Tate, *op. cit.*, p. 157, Pl. XI., fig. 10.
210. *Columbarium acanthostrephes*, Tate, *op. cit.*, p. 133, Pl. VII., fig. 7.
211. *C. craspedotum*, Tate, *op. cit.*, p. 133, Pl. VII., fig. 4.
212. *Latirofusus cingulata*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 136, Pl. II., figs. 5-6.
213. *Verconella roblini*, Tenison-Woods, *Fusus*, *op. cit.*, 1875, p. 22, Pl. I., fig. 7. Type Hobart.
214. *Fusinus dictyotis*, Tate, *Fusus*, *op. cit.*, 1888, p. 135, Pl. VII., figs. 2 and 6.
215. *F. meredithæ*, Tenison-Woods, *Fusus*, *op. cit.*, p. 22, Pl. I., fig. 6. Type Hobart.
216. *F. senticosus*, Tate, *Fusus*, *op. cit.*, p. 135, Pl. VII., fig. 3.
217. *Clavilithes tateana*, Tenison-Woods, *Fusus*, *op. cit.*, 1876, p. 94. Type Hobart. Tate, *op. cit.*, *Clavella*, p. 141, Pl. XIII., fig. 5.
218. *Ficus altispira*, Pritchard, *Pyrrula*, Pro. Roy. Soc. Vict. 1896, p. 85, Pl. III., figs. 2-3.

219. *Conomitra anticoronata*, Johnston, *Mitra*, Pro. Roy. Soc. Tas. 1879, p. 34.
220. *Mitra dictua*, Tenison-Woods, Pro. Linn. Soc. N.S. Wales 1879, Pl. III., fig. 7. Tate, *op. cit.*, 1889, p. 137, Pl. IV., fig. 9.
221. *Fusus tasmanicus*, Johnston, *Triton*, *op. cit.*, p. 33. Type Hobart. Tate, *op. cit.*, 1888, p. 165, Pl. XI., fig. 6, *Colubraria*.
222. *Sistrum purpuroides*, Johnston, *Ricinula*, *op. cit.*, p. 33. Type Hobart. Tate, *op. cit.*, 1888, p. 165, Pl. XI., fig. 6.
223. *Phos liracostatus*, Tenison-Woods, *Cominella*, *op. cit.*, 1876, p. 103. Type Hobart. Tate, *op. cit.*, 1888, p. 165, Pl. XI., fig. 12.
224. *Lorotaphrus fragilis*, Tenison-Woods, *Buccinum*, *op. cit.*, 1876, p. 107. Type Hobart. = *Trophon selwini*, Pritchard, Pro. Roy. Soc. Vict. 1896, p. 79, Pl. II., fig. 7.
225. *Pyrene cainozoica*, Tenison-Woods, *Columbella*, *op. cit.*, p. 110. Type Hobart. May, Pro. Roy. Soc. Tas. 1918, p. 72, Pl. XI., fig. 16. = *Columbella arleyi*, Tenison-Woods, *op. cit.*, p. 111. Type Hobart. May, *op. cit.*, p. 72, Pl. XI., fig. 17.
226. *Retizafra gracililirata*, Tenison-Woods, *Mangelia*, *op. cit.*, p. 106. Type Hobart. May, *op. cit.*, p. 72, Pl. X., fig. 15.
227. *Murex calvus*, Tate, *op. cit.*, 1888, p. 96, Pl. I., fig. 11.
228. *M. camplytropis*, Tate, *op. cit.*, p. 105, Pl. III., fig. 2.
229. *M. eyeri*, Tenison-Woods, *op. cit.*, p. 93. Tate, *op. cit.*, p. 103, Pl. IV., fig. 8.
230. *M. irregularis*, Tate, *op. cit.*, p. 102, Pl. VI., fig. 3.
231. *M. legrandi*, Johnston, *op. cit.*, p. 32. Type Hobart. Tate, *op. cit.*, p. 104, Pl. XI., fig. 9.
232. *M. minutus*, Johnston, *op. cit.*, p. 32. Tate, *op. cit.*, p. 107, Pl. X., fig. 14.
233. *M. vilificus*, Tate, *op. cit.*, p. 95, Pl. I., fig. 8.
234. *Typhis mcoyi*, Tenison-Woods, *op. cit.*, 1875, p. 22, Pl. I., fig. 1. Type Hobart.
235. *Acteon scrobiculatus*, Tenison-Woods, *op. cit.*, 1876, p. 102. Type Hobart. Cossmann, Tran. Roy. Soc. S.A. 1897, p. 1, Pl. I., figs. 1-2.

236. *Syrnola microlirata*, Johnston, *Odostomia*, *op. cit.*, 1884, p. 223.
237. *S. polita*, Johnston, *Pyramidella*, *op. cit.*, 1879, p. 34.  
Type Hobart. May, *op. cit.*, 1918, p. 73, Pl. XI., fig. 21.
238. *Odostomia puteolata*, Pritchard, *Actæon*, Pro. Roy. Soc. Vict. 1896, p. 124, Pl. IV., figs. 10-12.
239. *Turbonilla liracostata*, Tenison-Woods, *op. cit.*, 1876, p. 101.
240. *T. pagoda*, Tenison-Woods, *op. cit.*, p. 101.
241. *Ringicula lactea*, Johnston, *op. cit.*, p. 34. Cossmann, *op. cit.*, p. 16, Pl. II., figs. 23-24 = *Pyramidella sulcata*, Johnston, *op. cit.*, p. 34. Type Hobart. May, *op. cit.*, p. 73.
242. *Cylichnella exigua*, Tenison-Woods, *Cylichna*, Pro. Linn. Soc. N.S. Wales 1883, p. 19, Pl. II., fig. 6. Cossmann, *op. cit.*, p. 10, Pl. I., figs. 31-33.
243. *C. woodsi*, Tate, *Cylichna*, Pro. Roy. Soc. Tas. 1884, p. 228. Cossmann, *op. cit.*, p. 16, Pl. II., figs. 6-7.
244. *Rhizorus tatei*, Cossmann, *Volvulella*, *op. cit.*, p. 8, Pl. I., figs. 26-27.
245. *Retusa aptycha*, Cossmann, *Tornatina*, *op. cit.*, p. 8, Pl. I., figs. 22-23.
246. *Dentalium lacteolum*, Tate, Tran. Roy. Soc. S.A. 1900, p. 264.
247. *D. mantelli*, Zittel, Pal. von New Seeland, 1865, p. 45, Pl. XIII., fig. 7.
248. *D. pictile*, Tate, *op. cit.*, p. 263, Pl. VIII., fig. 8 = *D. lacteum*, Tenison-Woods, Pro. Roy. Soc. Tas. 1875, p. 17 (*non* Deshayes).
249. *D. subfissura*, Tate, *op. cit.*, 1887, p. 191, Pl. XX., figs. 4a-4b.

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- 1 *Terebratulata tateana*, Tenison-Woods, P.R.S. N.S. Wales 1878 p. 29. Tate, T. Phil. S. S. Aus. 1880, p. 150, Pl. VIII., fig. 2.
- 2 *T. vitreoides*, Tenison-Woods, *op. cit.*, p. 78, figs. 4a-4d. Tate, *op. cit.*, p. 144, Pl. VIII., fig. 5.
- 3 *Mayellania garibaldiana*, Davidson, Geologist Vol. V., 1862, p. 466, Pl. XXIV., fig. 9.
- 4 *M. grandis*, Tenison-Woods, T.R.S. S. Aus. 1865, Pl. II., fig. 1. Tate, *op. cit.*, p. 13, Pl. XI., fig. 4.



5. *Terebratulina catinuliformis*, Tate, T.R.S. S.A. 1896, p. 130, *nom. mut.*
6. *T. scouleri*, Tate, *op. cit.*, 1880, p. 158, Pl. VIII., figs. 3-3d.
7. *Terebratella woodsi*, Tate, *op. cit.*, p. 161.
8. *Magasella woodsi*, Tate, *op. cit.*, p. 163.
9. *Rhynconella squamosa*, Hutton, Cat. Tert. Moll. N.Z. 1873.
10. *Crania quadrangularis*, Tate, P.L.S. N.S. Wales 1893, p. 191, Pl. XI., figs. 12-12a.