

LIST OF THE TENISON WOODS TYPES OF RECENT MOLLUSCA IN THE TASMANIAN MUSEUM.

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Until recently all types of the Tenison Woods Marine Mollusca were included in the general collections of Tasmanian shells in the Museum, and in consequence some were lost and others broken.

The fresh-water shells were in a drawer in the Curator's office, mixed with much miscellaneous material, and in a very dilapidated condition.

Very few specimens were marked type in Tenison Woods' handwriting (specimens so marked are recorded as such), the majority being marked by a committee of Conchologists formed for the purpose, particulars of which are given in the paper by Mr. W. L. May, Proc. Roy. Soc. Tasm. 1902. Unless otherwise stated, specimens in this list are marked "type."

Since the revision of the types in 1902, some of the specimens have been either lost or broken. Lost specimens are not included in the list. Broken specimens are recorded as such.

The Tenison Woods' fresh-water shells have mostly, if not all, sunk into synonymy, and there is room for considerable investigation on the Tasmanian fresh-water shells, as nothing apparently has been done since Tenison Woods' time.

One fact brought to light may be worth recording: *Turritella atkinsoni*, Tate and May, is taken from a manuscript specimen of Tenison Woods. When describing this the authors did not have Tenison Woods' specimen to consult, so they described it from another specimen, intending the Tenison Woods specimen in the Museum collection to be the type. Apparently no special care was taken of the specimen actually described.

The type of *Natica polita* is amongst the fossil shells, and apparently no recent shell was included in the Tenison Woods collection.

Cerithiopsis albosutura is represented by two specimens in the general collection, neither of which conforms in size to the Tenison Woods description, but they may have belonged to the original Tenison Woods collection.

Siphonaria denticulata var *tasmanica* was changed later to *S. zonata*.

Three shells in the general collection are named *Natica* (*Mamilla*) *globosa*, T.-W.; these may have belonged to the Tenison Woods collection, but they do not conform to the size given for *Ruma globosa* in the description.

Clathurella sculpturior; a reference is given under the name *Mangelia delicatura*.

Thirty-six other species and five varieties are still missing.

Species that bear manuscript names that were not used for description are also included in the list.

I am greatly indebted to Mr. W. L. May for help in settling many difficulties that I met with while gathering together the Tenison Woods type shells, and also in revising this list.

<i>acuta</i>	<i>Turritella</i> (T.M. 5421) 3 specimens slightly broken.
<i>acuticostata</i>	<i>Terebra</i> (T.M. 5356) 2 specimens, M.S. name.
<i>agnewi</i>	<i>Drillia</i> (T.M. 5361) label marked type by Tenison Woods, with the generic name <i>Pleurotoma</i> . 1 specimen.
„	<i>Rissoa</i> (T.M. 5486c) 1 specimen.
<i>alba</i>	<i>Acmaea</i> (T.M. 5594) 2 specimens type?
<i>albolirata</i>	<i>Cominella</i> (T.M. 5254) 1 specimen marked type by Ten.-Woods.
<i>allporti</i>	<i>Marginella</i> (T.M. 5328) 3 specimens.
„	<i>Zizyphinus</i> (T.M. 5535) 1 specimen.
<i>alloysii</i>	<i>Clanculus</i> (T.M. 5560) 2 specimens.
<i>alternata</i>	<i>Mangelia</i> (C. 347) 2 specimens, probably type but not so marked.
<i>angasi</i>	<i>Turbonilla</i> (T.M. 5434) 2 specimens.
<i>angeli</i>	<i>Clanculus</i> (T.M. 5564) 1 specimen.
„	<i>Rissoa</i> (T.M. 5478) 4 specimens on card, of inferior condition.
<i>annulata</i>	<i>Liotia</i> (T.M. 5506) specimen lost, card marked type by Ten.-Woods.
<i>apheles</i>	<i>Eulima</i> (C. 348) 1 specimen marked type by Ten.-Woods.

assisi	Trophon (T.M. 5244) 1 specimen remounted.
atkinsoni	Cardita (T.M. 5712) 3 specimens. No Ten.-Woods mount or label with this.
„	Cylichna (T.M. 5615) 2 specimens.
„	Drillia (T.M. 5367) 1 specimen. Generic name Pleurotoma in Census.
„	Kellia (T.M. 5717) 3 specimens.
„	Mangelia (T.M. 5350) 5 specimens.
„	Rissoa (Cingula) (T.M. 5483) 6 specimens.
„	Scissurella (T.M. 5571) 3 specimens, one of which is crushed. Generic name Schismope in Census.
„	Turritella (T.M. 5420) M.S. name, subsequently used by Tate and May (T.R. S.S. Austr. 1900, pg. 95), for this species, but described from another specimen. 2 specimens. This species is further labelled, not by Ten.-Woods, as <i>T. tasmaniensis</i> .
aurea	Gibbula (T.M. 5531) 5 specimens remounted. No Ten.-Woods label or mount with it, and not marked type.
australis	Cingulina (T.M. 5447) 2 specimens, one slightly broken.
„	Diloma (T.M. 5547) missing from box. Generic name Trochus in Census. Ten.-Woods label but no mount. Not marked type.
„	Trophon (T.M. 5245) 1 specimen.
„	Tugalia. This species is missing, and Mr. May sent me the following note:— “See Census, pg. 44, there is some curious muddle about this, Ten.-Woods gives it first as of Sow. and then proceeds to say he proposes the same name.” (I think this is intended to convey the meaning that he proposes to change the name of the wrongly identified <i>T. ossea</i> Gould to <i>T. australis</i> Sow. In this way sense can be made of the whole passage and also no Ten.-Woods type would be expected in his collection.)

<i>badia</i>	<i>Columbella</i> (T.M. 5340) 4 specimens.
<i>bifasciata</i>	<i>Elusa</i> (T.M. 5439) 1 specimen.
„	<i>Syrnola</i> (T.M. 5445) 3 specimens.
<i>brazieri</i>	<i>Rissoina</i> (<i>Setia</i>) (T.M. 5481) 5 specimens. Generic name <i>Rissoa</i> in Census.
„	<i>Trophon</i> (T.M. 5243) 4 specimens re-mounted.
<i>browniana</i>	<i>Cithara</i> (T.M. 5375) 1 specimen. M.S. name.
<i>bulimoides</i>	<i>Fossarus</i> (T.M. 5455) 1 specimen.
<i>cancellata</i>	<i>Crossea</i> (T.M. 5416) 2 specimens marked type by Ten.-Woods.
„	<i>Limopsis</i> (T.M. 5729) name subsequently changed to <i>L. tenisoni</i> . 2 specimens, one of which is a complete bivalve. No Ten.-Woods label or mount with this.
<i>carmeli</i>	<i>Conus</i> (T.M. 5380) 1 specimen.
<i>castanea</i>	<i>Siphonalia</i> (T.M. 5243) 1 specimen.
<i>chapmani</i>	<i>Patella</i> (T.M. 5600) 1 specimen.
<i>cheilostoma</i>	<i>Rissoa</i> (<i>Alvania</i> ?) (T.M. 5484) 1 specimen.
<i>ciliata</i>	<i>Physa</i> (C. 359) 4 specimens, probably type but not so marked, one slightly broken.
<i>clarkei</i>	<i>Siphonaria</i> (T.M. 5278) 3 specimens.
<i>clathratus</i>	<i>Trophon</i> (T.M. 5242) 5 specimens. Marked T. petterdi Cross on card.
<i>concatenata</i>	<i>Rissoina</i> (T.M. 5550) 1 specimen crushed.
<i>crassus</i>	<i>Mytilus</i> (T.M. 5733) 1 specimen, no Ten.-Woods label or mount with this.
<i>crucis</i>	<i>Aemaca</i> (T.M. 5593) 4 specimens, type? Mr. May informs me that a specimen of this in the Sydney (Australian?) Museum is marked type.
<i>cuculata</i>	<i>Turbo</i> (T.M. 5519) 1 specimen marked type by Ten.-Woods.
<i>cyclostoma</i>	<i>Rissoa</i> (T.M. 5475) 2 specimens.
„ var. <i>rosea</i>	„ (T.M. 5476) 2 specimens.
<i>cypraeoides</i>	<i>Marginella</i> (T.M. 5329) 1 specimen marked type by Ten.-Woods, specific name <i>cypraeiformis</i> on card.

delicatula	Phasianella (T.M. 5518) There is a card labelled Phasianella in Ten.-Woods' handwriting; possibly this is the type specimen, but requires authenticating. Not marked type; 2 specimens.
„	Mangelia (C. 398) 1 specimen found together with Josepha tasmanica; Fusus spicei; Columbella xavierana; Clathurella granulossima. A list with them contained all the above names except the last, also Clathurella sculptulior was contained on the list, and was missing in the group. Undoubtedly this group had been sent to Beddome for examination, and when returned they were never replaced in the collection.
desalesii	Mangelia (T.M. 5373) 2 specimens.
dictua	Columbella (T.M. 5345) 2 specimens marked type by Ten.-Woods.
dolorosa	Gibbula (T.M. 5532) 1 specimen. Generic name Thalotia given in Census.
dominicana	Clanculus (T.M. 5558) 1 specimen.
dulvertonensis	Bythinia (C. 364) 1 specimen, marked type (in Ten.-Woods' handwriting?).
„	Pisidium (C. 372) 1 specimen, probably type, but not so marked.
dunrobinensis	Bythinia (C. 367) specimen missing, card probably held type, but not so marked.
dyeriana	Auricula (Rhodostoma) (T.M. 5621) 2 specimens; species name dyerana in Census.
epitrema	Ranella (T.M. 5269a) 1 specimen, no Ten.-Woods label or mount with this.
fasciata	Rissoa (Alvania) (T.M. 5485) 5 specimens; not marked type.
flindersii	Rissoina (T.M. 5486a) 3 specimens.
franciscana	Mitra (T.M. 5313) 1 specimen.
gertrudis	Rissoina (T.M. 5486b) 2 specimens, type?
goldsteini	Trophon (T.M. 5241) 2 specimens, no Ten.-Woods mount or label with this.
granulifera	Turritella (T.M. 5419) 3 specimens.

- granulosissima Clathurella (C. 399) 1 specimen, see note under Mangelia delicatula; probably type, but not so marked.
- hisseyiana Littorina (T.M. 5480) 7 specimens, labelled by Ten.-Woods on card hisseyana.
- hobartiensis Linnea (C. 353) 5 specimens. The specific name is credited to Cox on card in Ten.-Woods' handwriting; I think it will prove to be the type of Ten.-Woods species. Not marked type.
- huonensis Bythinia (C. 365) 16 specimens, probably type but not so marked. Subsequently made type of genus Tatea (T.-W.).
- „ * Limnea (C. 352) specimens smashed, card only; probably held type, but not so marked.
- „ Physa (C. 357) 1 specimen badly broken, the card probably held type, but not so marked.
- immaculata Dosinia (T.M. 5693) 4 specimens, only one complete bivalve; no Tenison Woods label or mount with this.
- „ Mangelia (Drillia) (T.M. 5374) 1 specimen.
- incerta Liotia (T.M. 5502) 2 specimens in inferior condition.
- incrusta Drillia (T.M. 5363) 2 specimens, genus Pleurotoma in Census.
- josephi Cyclostrema (T.M. 5509) 2 specimens.
- labiata Crossea (T.M. 5414) 3 specimens.
- latus var. Mytilus (T.M. 5730) type? requires authenticating; the label with this specimen bears the name M. latus var tasmanicus T.W., but as it is only 61mm. long it cannot be the type of that species. In the Census Mytilus tasmanicus is given as 19cm. long. No measurements are given with M. latus nov. var.? Proc. Roy. Soc. Tasm. 1876, pg. 157; inside the shell is the number "51" possibly in Ten.-Woods' handwriting. The label is not by Ten.-Woods.

lauretanea	Clanculus, an M.S. name (T.M. 5565) 2 specimens. This is marked type, not by Tenison Woods, but apparently it has not been described under that name.
legrandi	Bythinia (C. 361) 7 specimens, probably type but not so marked.
„ small var.	Bythinia (C. 362) 27 specimens. I have found no reference to this var., not marked type. (Note.—The name of this species was subsequently changed to Bythinella exigua, later it was sunk, like many other fresh water shells, into synonymy.)
legrandi	Columbella (T.M. 5349) 1 specimen.
„	Fusus (T.M. 5273) 1 specimen.
„	Mitra (T.M. 5319) 3 specimens; a fourth specimen on the card is marked “another.”
„	Physa (C. 358) 1 specimen, probably type but not so marked.
„	Zizyphinus (T.M. 5536) 1 specimen.
littorinoides	Purpura (T.M. 5252) 1 specimen.
macleayana	Venus (Chione) (T.M. 5675) 1 specimen type? no Ten.-Woods mount or label with this.
„	Conus. See Conus tasmanicus.
„	Turbonilla (T.M. 5435) 2 specimens.
marginata	Eulima (C. 349) 1 specimen marked type by Tenison Woods.
marmorata	Acmaea (T.M. 5595) 2 specimens, type? no Ten.-Woods mount or label with this.
mariae	Pecten (T.M. 5749) 1 specimen, half bi-valve, no Ten.-Woods label or mount with this.
„	Rissoa (Cingula) (T.M. 5482) 4 specimens, two of which are broken.
„	Tellina (T.M. 5670) 3 specimens, no Ten.-Woods mount or label with this.
„	Turbonilla (T.M. 5436) 3 specimens, one of which is broken.

melanura	Rissoa (T.M. 5477) 3 specimens.
mercdithiae	Mangelia (T.M. 5377) 7 specimens, not marked type.
micans	Eulima (T.M. 5429) 1 specimen.
michaeli	Syrnola (T.M. 5444) 1 specimen.
micra	Cyclostrema (T.M. 5511) 1 specimen crushed not marked type.
miltostoma	Celumbella (T.M. 5344) 1 specimen.
minima	Lucina (T.M. 5700) 1 type specimen and one other; no Ten.-Woods label or mount with this.
minimum	Bititium (T.M. 5466) 1 specimen marked type by Ten.-Woods.
minuta	Ampullarina (T.M. 5629) 3 specimens.
„	Columbella (T.M. 5348) 5 specimens.
„	Drillia (T.M. 5359) 2 specimens, generic name Pleurotoma in the Census.
„	Nucula (T.M. 5723) 3 specimens.
minutissima	Marginella (T.M. 5327) 1 specimen.
„	Rissoina (T.M. 5486d) 1 specimen marked type by Ten.-Woods.
multicarinata	Gibula (T.M. 5566) 1 specimen.
nana	Natica (T.M. 5397) 1 specimen requires authenticating; it is on a Ten.-Woods mount. The Ten.-Woods label is missing and is not marked type.
petterdi	Acmaea (T.M. 5589) 1 specimen.
philipineri	Pleurotoma (T.M. 5357) 2 specimens.
philomena	Clathurella (T.M. 5365) 2 specimens. In the Census this is named Pleurotoma philomenae.
philomenae	Clanculus (T.M. 5559) 1 specimen, named in the Census philomena.
fontvillensis	Bythinia (C. 363) about 38 specimens, probably type, but not so marked.
propinqua	Purpura (T.M. 5253) 1 specimen.
pulchella	Phasianella = delicatula, see note under that name.
pulchra	Siphonalia (T.M. 5366) 1 specimen.
punctata	Diala (T.M. 5456) 2 specimens.

punctata-striata	Rissoa (Ceratia) (T.M. 5448) 1 specimen, marked type by Ten.-Woods.
raphaeli	Clanculus (T.M. 5561) 2 specimens.
reticulata	Venerupis (T.M. 5695) 4 specimens, generic name Rupellaria given in Census; no Ten.-Woods label or mount with this.
roblini	Columbella (T.M. 5338) 6 specimens.
rosea	Monilea (T.M. 5523) 3 specimens.
scalariformis	Mitra (T.M. 5317) 2 specimens.
scita	„ (T.M. 5318) 3 specimens.
siennae	Rissoa (Setia) (T.M. 5496) 6 specimens, three of which are evidently of recent addition. This species is subsequently recorded as synonymous with <i>Assiminea tasmanica</i> (T.W.); the note in Proc. Roy. Soc. Tasm. 1879, pg. 70, evidently does not mean that the two descriptions were taken from the same specimen.
simsoni	Turbo (Lunella) (T.M. 5522) 2 specimens.
spicei	Fusus (T.M. 5275) 1 specimen.
„	„ (C. 396) 1 specimen, probably co-type. See note under <i>Mangelia delicatula</i> .
	Neither of these specimens conforms to the dimensions in the description.
squamosissima	Trophon (T.M. 5244) 2 specimens, marked type by Ten.-Woods; they have evidently been remounted.
stanislas	Marginella (T.M. 5326) 2 specimens.
St. Clarae	Rissoina (T.M. 5458) 1 specimen.
St. Gallae	Mangelia (T.M. 5372) 1 specimen.
susonis	Cyclostrema (T.M. 5510) card only, specimen lost, not marked type.
taeniata	Drillia (T.M. 5360) 1 specimen, marked type by Ten.-Woods.
tasmanica	Aplysia (T.M. 5620) 1 specimen in inferior condition.
„	Assimineae (C. 369) 1 specimen, probably type but not so marked. See note under <i>Rissoa sienna</i> .

- tasmanica *Bythinia* (C. 368) 3 specimens, probably type but not so marked.
- „ *Cancellaria* (T.M. 5353) 1 specimen, corrected to *Cancellaria* in Census.
- „ *Cominella* (T.M. 5287) 3 specimens, no Ten.-Woods mount or label with this.
- „ *Cithlara* (T.M. 5371) 1 specimen. Genus name *Cythara* in Census.
- „ *Daphnella* (T.M. 5369) type specimen broken, and one other specimen which Mr. May informs me Miss Lodder put there.
- „ *Diplodonta* (T.M. 5706) 1 specimen, type? This specimen does not bear a Ten.-Woods label or mount. The generic name on the label is *Mysia*.
- „ *Eulima* (T.M. 5428) 1 specimen.
- „ *Gasterochaena* (T.M. 5626) 1 specimen.
- „ *Gouldia* (T.M. 5690) 1 specimen broken.
- „ *Josephia* (C. 395) 1 specimen, probably type, but not so marked. See note under *Mangelia delicatula*.
- „ *Liotia* (T.M. 5499) 2 specimens one of which is broken.
- „ *Macrochisma* (T.M. 5581) 3 specimens, which do not conform to the Ten.-Woods type measurement, but undoubtedly belonged to the Ten.-Woods collection. Not marked type.
- „ *Marginella* (T.M. 5322) 1 specimen.
- „ *Margarita* (T.M. 5526) 1 specimen, under genus *Minolia* in the Census.
- „ *Mitra* (T.M. 5316) 4 specimens on card, they have probably been remounted. One specimen is indicated type, one as var. A., and a third as var. B.
- „ *Myodora* (T.M. 5647) 2 specimens, no Ten.-Woods label or mount with this.

- tasmanica Mytilicardia (T.M. 5715) 4 specimens, no Ten.-Woods label or mount with this.
- „ Nassa (T.M. 5294) 3 specimens.
- „ Natica (T.M. 5396) 2 specimens, which do not conform to the Type measurements, but undoubtedly belonged to the Ten.-Woods collection. Not marked type.
- „ Neaera (T.M. 5644) 5 specimens, half bivalves, only one of which is not broken.
- „ Odontostoma (T.M. 5440) 1 specimen.
- „ Parthenia (T.M. 5443) 3 specimens.
- „ Physa (C. 354) 4 specimens, only one of which is perfect; probably type but not so marked.
- „ var. A Physa (C. 356) 1 specimen, probably type but not so marked. This is the Clyde var.
- „ var. B Physa (C. 355) 5 specimens, probably type but not so marked. This is the Cole River var.
- „ Pisania (T.M. 5284) 2 specimens.
- „ Pythinia (T.M. 5707) 7 specimens, half bivalves only; the specimens, probably remounted, do not bear a Ten.-Woods label; the generic name is given as Mylitta.
- „ Stylifer (C. 346) 2 specimens.
- „ Styloptygma (T.M. 5431) 1 specimen.
- „ Triforis (T.M. 5467) 3 specimens, one of which is broken.
- „ var. Triforis (T.M. 5468) 1 specimen broken, listed in Census as "var a."
- „ Tugalia (T.M. 5586). Two small specimens mounted on a card with T. ossea in Ten.-Woods' handwriting, and one large specimen of which Mr. May says: --"is undoubtedly the type of T. tasmanica." Not marked type.
- „ Turbonilla (T.M. 5437) 2 specimens.

tasmanica	Valvata (T.M. 5493) 3 specimens. No Ten.-Woods mount or label with this; the label contains the following:— "Amnicola? Beddomeia tasmanica (T.W.) (as Valvata) types? Tasmania." Mr. May informs me that the description is printed on a slip and pasted? in the Proc. Roy. Soc. Tasm. 1875, page 82. immediately below Cyclas tasmanica where there is a vacant space. This is missing in the copy in the Royal Society's Library, nor have I seen the description elsewhere.
tasmanicola	Physa (C. 360) 2 specimens, probably type but not so marked.
tasmanicum	Pisidium (C. 371) about 40 specimens, probably type but not so marked.
tasmanicus	Ancylus (C. 351) 10 specimens, probably type but not so marked.
„	Conus (T.M. 5381) 1 specimen, specific name subsequently changed to macleayana.
„	Euchelus (T.M. 5552) 1 specimen.
„	Fossarus (T.M. 5551) 2 specimens crushed, specific name tasmanica on card.
„	Planorbis (C. 570) 21 specimens, probably type but not so marked.
tenisoni	Limopsis, see Limopsis cancellata.
tenuicostata	Cominella (T.M. 5289) 2 specimens.
teresia	Mitra (T.M. 5315) 5 specimens.
tessellata	Diala (T.M. 5457) 4 specimens.
tristriata	Aclis (T.M. 5446) 2 specimens, one slightly broken.
tumida	Diala (T.M. 5486) 2 specimens.
turboniloides	Bittium (C. 350) 2 specimens, marked type by Ten.-Woods; Mr. May points out that they represent two distinct species, they will therefore require authenticating.

turrita	Siphonaria (T.M. 5279) 2 specimens.
umbilicatus	Trophon (T.M. 5238) 2 specimens.
unicarinata	Bythinia (C. 366) 3 specimens, probably type but not so marked.
unilirata	Rissoina (T.M. 5486e) 1 specimen broken, marked type by Ten.-Woods; Generic name Rissonia on Card.
varix	Daphnella (T.M. 5368) 2 specimens.
victoriae	Callista (T.M. 5689) 1 specimen, no Ten.-Woods label or mount with this.
warburtoni	Semele (T.M. 5663) 1 specimen, no Ten.-Woods label or mount with this.
weldiana	Dentalium (T.M. 5634) 1 specimen.
„	Drillia (C. 414) 1 specimen; not marked type, but undoubtedly the specimen from which the description is taken.
weldii	Cyclostrema (T.M. 5512) 3 specimens crushed, not marked type.
„	Gibbula (T.M. 5527) 1 specimen.
„	Macrochisma, name proposed for M. tasmanica, which see.
„	Mitra (T.M. 5314) 3 specimens.
„	Tenagodus (T.M. 5426) 1 specimen.
xavierana	Columbella (T.M. 5342) 1 specimen; this does not conform to the type measurements, but probably formed part of the Ten.-Woods collection. Not marked type.
„	Columbella (C. 397) 1 specimen, probably cotype but not so marked; see note under Mangelia delicatula.
zonata	Siphonaria (T.M. 5631) very doubtful if these are part of the Ten.-Woods collection, 2 specimens, without Ten.-Woods mount or label. Not marked type.
zonatus	Murex (Pterontus) (T.M. 5235) 2 specimens, remounted, one marked type, Flinders Island.