



SYDNEY SHELLER

Newsletter of the Shell Club of Sydney
NSW Branch, The Malacological Society of Australasia Limited ACN 067 894 848

Next Meetings:

23rd September 2006

(1.30pm for 2pm – 4pm)

28th October 2006

(Annual Shell Show 11 – 5pm)

25th November 2006

(1.30pm for 2pm – 4pm)

(normally 4th Saturday)

Ryde Eastwood Leagues Club
117 Ryedale Rd, West Ryde, Sydney

View these shell newsletters on line
www.sydneyshellclub.net

Submit articles or ads:

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disks by mail, or preferably by email to
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Annual Shell Show Mgr: Steve Dean
Special Projects Mgr: John Dunkerley

Shell Club of Sydney Mission Statement:

To appreciate, understand and
preserve shells and their environment
and to share this with others.



Mytilidae



Musculus impactus
Hermann, 1782

Mytilidae



Septifer australis
Laseron, 1956

Pectinidae



Mimachlamys asperima
(Lamarck, 1819)

Pectinidae



Semipallium coruscans
(Hinds, 1845)

Lucinidae



Epicodakia gunnamatta
Iredale, 1930

Galeommatidae



Marikellia solida
(Angas, 1877)

Carditidae



Cardita excavata
Deshayes, 1854

Cardiidae



Acrosterigma kerslakae
Healy & Lamprell, 1992

Cardiidae



Afrocardium skeeti
(Hedley, 1906)

Interesting bivalves observed during the Long Bay study

Some of the topics inside:

- Long Bay Survey – Final Part (cover photo)
- Lake Macquarie Pinnidae Plague (presentation)
- Annual Shell Show Program & Rules
- Club Library Update
- Naming New Species



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Long Bay Species, Conclusion – Part 5

Some of the more unusual bivalves observed at Long Bay during the one year study, and then passed to the Sheller Editor for photography are included on the front cover and below. If you are not sure what some of the other listed species look like they are no doubt included in the two good local books “Bivalves of Australia” Volumes 1 and 2. If you do not have them they are available in our shell club library.

Also below are two remaining gastropod pictures not included previously.

The article detailing the 12-month Long Bay study, and the commencement of this list appears in the April-May 2005 Sheller

This final part to this series includes the full list of ALL species observed over the 12 month study. A large percentage of the listed species have not been included elsewhere within this series of articles.

Donacidae	Veneridae	Hiatellidae	Mactridae	Mactridae
				
<i>Donax deltoides</i> Lamarck, 1818	<i>Katelsia rhiphora</i> (Lamy, 1937) and <i>Tawera gallinule</i> Lamarck, 1818	<i>Hiatella australis</i> Lamarck, 1818	<i>Mactra antecedens</i> Iredale, 1930	<i>Mactra contraria</i> Reeve, 1854
Veneridae	Veneridae	Veneridae	Lamellaridae	
				
<i>Tawera lagopus</i> (Lamarck, 1818)	<i>Gomphina undulosa</i> (Lamarck, 1818)	<i>Notocallista disrupta</i> (Sowerby, 1853)	<i>Lamellaria</i> sp.	Unknown 25mm

Table 1 The Gastropods

Family	Genus/species	Author
Nacellidae	<i>Cellana tramoserica</i>	(Holten, 1802)
Patellidae	<i>Scutellastra chapmani</i>	(TenisonWoods, 1876)
	<i>Scutellastra peronii</i>	(Blainville, 1825)
Lottiidae	<i>Patelloida alticostata</i>	(Angas, 1865)
	<i>Patelloida mimula</i>	(Iredale, 1924)
	<i>Patelloida mufria</i>	(Hedley, 1915)
	<i>Notoacmea petterdi</i>	(Tenison Woods, 1876)
	<i>Asteracmea illibrata</i>	(Verco, 1906)
Neritidae	<i>Nerita atramentosa</i>	Reeve, 1855
	<i>Smaragdia souverbiana</i>	(Gassies, 1861)
Scissurellidae	<i>Sinezona atkinsoni</i>	(Tenison Woods, 1877)



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Haliotidae	<i>Haliotis brazieri</i>	Angas, 1859
	<i>Haliotis coccoradiata</i>	Reeve, 1846
	<i>Haliotis hargreavesi</i>	Cox, 1869
	<i>Haliotis rubra</i>	Leach, 1814
Fissurellidae	<i>Amblychilepas nigrita</i>	(Sowerby, 1834)
	<i>Amblychilepas javanicensis</i>	(Lamarck, 1822)
	<i>Diodora lineata</i>	Sowerby, 1835
	<i>Clypidina rugosa</i>	(Quoy & Gaimard, 1846)
	<i>Notomella candida</i>	(A. Adams, 1852)
	<i>Scutus antipodes</i>	Montfort, 1810
	<i>Tugali parmophoidea</i>	(Quoy & Gaimard, 1834)
	<i>Puncturella kesteveni</i>	Hedley, 1900
Turbinidae	<i>Austroliotia botanica</i>	(Hedley, 1915)
	<i>Astraliium kesteveni</i>	(Iredale, 1924)
	<i>Astraliium squamiferum</i>	(Koch, 1844)
	<i>Ninella torquata</i>	(Gmelin, 1791)
	<i>Subninella undulata</i>	(Lightfoot, 1786)
	<i>Turbo exquisitus</i>	Angas, 1877
	<i>Turbo imperialis</i>	Gmelin, 1791
	<i>Tricolia variabilis</i>	Pease, 1861
	<i>Phasianella ventricosa</i>	Swainson, 1822
Trochidae	<i>Herpetopoma aspersa</i>	(Philippi, 1846)
	<i>Euchelus ampullus</i>	(Tate, 1893)
	<i>Granata imbricata</i>	(Lamarck, 1822)
	<i>Clanculus brunneus</i>	A. Adams, 1853
	<i>Clanculus clangulus</i>	(Wood, 1828)
	<i>Clanculus floridus</i>	(Philippi, 1848)
	<i>Clanculus maugeri</i>	(Wood, 1828)
	<i>Clanculus plebejus</i>	(Philippi, 1851)
	<i>Austrocochlea porcata</i>	(A. Adams, 1853)
	<i>Nanula tasmanica</i>	(Petterd, 1879)
	<i>Eurotrochus strangei</i>	(A. Adams, 1853)
	<i>Cantharidella picturata</i>	(A. Adams & Angas, 1864)
	<i>Notogibbula bicarinata</i>	(A. Adams, 1854)
	<i>Fossarina patula</i>	A. Adams & Angas, 1863
	<i>Phasianotrochus eximius</i>	(Perry, 1811)
	<i>Calthalotia fragum</i>	(Philippi, 1848)
	<i>Stomatella impertusa</i>	(Burrows, 1815)
	<i>Astele scitulum</i>	(A. Adams, 1855)
	<i>Calliostoma comptum</i>	(A. Adams, 1854)
	<i>Ethminolia probabilis</i>	Iredale, 1924
<i>Monilea callifera (juvenile)</i>	(Lamarck, 1822)	
<i>Talopena gloriola</i>	Iredale, 1929	
<i>Bankivia fasciata</i>	(Menke, 1830)	
<i>Leiopyrga lineolaris</i>	(Gould, 1861)	
<i>Spectamen bellulum</i>	(Angas, 1869)	
Skeneidae	<i>Crossea concinna</i>	(Angas, 1868)
	<i>Lodderena minima</i>	(Tenison Woods, 1878)
	<i>Teinostoma solida</i>	(Laserson, 1954)
	<i>Liotella pulcherrima</i>	(Henn & Brazier, 1894)
	<i>Cirsonella weldi</i>	Tenison Woods, 1877
Pleisotrochidae	<i>Plesiotrochus monachus</i>	(Crosse & Fischer, 1864)
Litiopidae	<i>Alaba opiniosa</i>	(Iredale, 1936)
Cerithidae	<i>Bittium granarium</i>	Kiener, 1842
	<i>Cerithium columna</i>	Sowerby, 1834
	<i>Rhinoclavis sp</i>	
	<i>Cerithium coralium</i>	Kiener, 1841
	<i>Cerithium sp</i>	



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Batillariidae	<i>Zeacumantus subcarinatus</i>	Sowerby, 1855
Planaxidae	<i>Hinea brasiliana</i>	(Lamarck, 1822)
	<i>Fossarus sydneyensis</i>	Hedley, 1925
Turritellidae	<i>Gazameda gunnii</i>	(Reeve, 1849)
Siliquariidae	<i>Pyxipoma weldii</i>	Tenison Woods, 1875
Littorinidae	<i>Bembicium nanum</i>	(Lamarck, 1822)
	<i>Littoraria luteola (juvenile)</i>	(Quoy & Gaimard, 1834)
	<i>Nodilittorina unifasciata</i>	Gray, 1826
	<i>Nodilittorina pyramidalis</i>	Quoy & Gaimard, 1833
	<i>Nodilittorina acutispira</i>	Smith, 1892
Eatonellidae	<i>Crassitonella flammea</i>	(Frauenfeld, 1867)
Anabathridae	<i>Anabathron (Anabathron) lene</i>	(Hedley, 1915)
	<i>Badepigrus pupoideus</i>	(A. Adam 1865)
	<i>Amphithalamus (Microfossa) pyramis</i>	(Laserson, 1950)
	<i>Pisinna albizona</i>	(Laserson, 1950)
	<i>Pisinna frauenfeldi</i>	(Frauenfeld, 1867)
Rissoidae	<i>Alvania (Alvania) eminens</i>	(Laserson, 1950)
	<i>Merelina sp</i>	
	<i>Merelina elegans</i>	(Angas, 1877)
	<i>Merelina gracilis</i>	(Angas, 1877)
	<i>Rissoina (Rissoina) fasciata</i>	(A. Adams, 1853)
	<i>Rissoina (Rissoina) angasi</i>	Pease, 1872
	<i>Rissoina (Rissoina) crassa</i>	Angas, 1871
	<i>Rissoina variegata</i>	Angas ? n.a.
	<i>Onoba (ovirissoa) rubicunda</i>	(Tate & May, 1900)
Emblanidae	<i>Emblanda emblematicum</i>	(Hedley, 1906)
Vitrinellidae	<i>Callomphala lucida</i>	Angas, 1864
	<i>Lodderia lodderae</i>	(Petterd, 1884)
	<i>Pseudoliotia micrans</i>	(A. Adams, 1850)
Caecidae	<i>Caecum amputatum</i>	Hedley, 1893
Strombidae	<i>Strombus luhuanus</i>	Linnaeus, 1758
	<i>Strombus mutabilis</i>	Swainson, 1821
Hipponicidae	<i>Hipponix conicus</i>	(Schumacher, 1817)
	<i>Hipponix australis</i>	(Lamarck, 1819)
	<i>Antisabia foliacea</i>	(Quoy & Gaimard, 1835)
Vanikoridae	<i>Adeorbis cf angulata</i>	Hedley, 1905
	<i>Couthouyia gracilis</i>	Henn & Brazier, 1894
	<i>Vanikoro sigaretiformis</i>	Potiez & Michaud, 1838
	<i>Vanikoro orbignyana</i>	Recluz, 1843
Trichotropidae	<i>Zellipistes blainvillensis</i>	(Petit, 1851)
Calyptraeidae	<i>Crepidula aculeata</i>	(Gmelin, 1795)
	<i>Zeacrypta immersa</i>	(Angas, 1865)
	<i>Clypeola hedleyi</i>	(Smith, 1915)
Vermetidae	<i>Vermetid sp</i>	
Cypraeidae	<i>Cypraea annulus</i>	Linnaeus, 1758
	<i>Cypraea caputserpentis</i>	Linnaeus, 1758
	<i>Cypraea clandestina</i>	Linnaeus, 1767
	<i>Cypraea fimbriata</i>	Gmelin, 1791
	<i>Cypraea erosa</i>	Linnaeus, 1758



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	<i>Cypraea vitellus</i>	Linnaeus, 1758
	<i>Cypraea ursellus</i>	(Gmelin, 1791)
	<i>Cypraea lutea</i>	(Gmelin, 1791)
	<i>Cypraea kieneri</i>	(Hidalgo, 1906)
	<i>Cypraea asellus</i>	Linnaeus, 1758
	<i>Cypraea felina</i>	(Gmelin, 1791)
	<i>Cypraea helvola</i>	Linnaeus, 1758
	<i>Cypraea erronea</i>	Linnaeus, 1758
	<i>Cypraea gracilis</i>	(Gaskoin, 1849)
	<i>Cypraea poraria</i>	Linnaeus, 1758
	<i>Cypraea flaveola</i>	Linnaeus, 1758
Triviidae	<i>Ellatrivia merces</i>	Iredale, 1924
	<i>Trivirostra oryza</i>	(Lamarck, 1810)
	<i>Triva globosa</i>	(Sowerby, 1832)
	<i>Proterato lachryma</i>	(Sowerby, 1832)
	<i>Proterato sulcifera</i>	(Sowerby, 1832)
Lamellaridae	<i>Lamelleria sp</i>	
Naticidae	<i>Polinices conicum</i>	(Lamarck, 1822)
	<i>Natica euzona</i>	Recluz, 1844
	<i>Polinices didyma</i>	(Roding, 1798)
	<i>Polinices simiae</i>	Deshayes, 1838
	<i>Natica gaulteriana</i>	Recluz, 1844
	<i>Natica sagittata</i>	(Menke, 1843)
	<i>Eunatica umbilicata</i>	(Quoy & Gaimard, 1833)
Tonnidae	<i>Tonna chinensis</i>	(Dillwyn, 1817)
Cassidae	<i>Semicassis labiata</i>	(Perry, 1811)
	<i>Semicassis labiata (deep water form)</i>	(Perry, 1811)
Ranellidae	<i>Sassia parkinsonia</i>	(Perry, 1811)
	<i>Cabestana spengleri</i>	Perry, 1811
	<i>Cymatium labiosum</i>	(Wood, 1828)
	<i>Cymatium exaratum</i>	(Reeve, 1844)
	<i>Argobuccinum pustulosum</i>	Lightfoot, 1786
	<i>Charonia lampas rubicunda</i>	(Perry, 1811)
	<i>Ranella australasia</i>	(Perry, 1811)
	<i>Cymatium pathenopeum</i>	(von Salis, 1793)
	<i>Gyrineum lacunatum</i>	(Mighels, 1845)
Cerithopsidae	<i>Ataxocerithum serotinum</i>	(A. Adams, 1855)
Triphoridae	<i>Monophorus nigrofusca</i>	(A. Adams, 1851)
	<i>Hedleytriphora elata</i>	(Thiele, 1930)
	<i>Talophora subulata</i>	(Laseron, 1958)
	<i>Bouchettriphora pallida</i>	(Pease, 1870)
	<i>Magnosinister hedleyi</i>	(Laseron, 1954)
Epitonniidae	<i>Opalia australis</i>	(Lamarck, 1822)
	<i>Opalia ballinensis</i>	(E.A. Smith, 1891)
	<i>Epitonium jukesianum</i>	(Forbes, 1852)
	<i>Epitonium minora</i>	(Iredale, 1936)
	<i>Epitonium tacita</i>	(Iredale, 1936)
	<i>Epitonium perplexum</i>	Pease, 1860
	<i>Epitonium fabia</i>	(Iredale, 1936)
	<i>Epitonium (Foliaceiscala) carchedon</i>	Iredale, 1936
	<i>Cycloiscala jacobisScala</i>	(Iredale, 1936)
	<i>Cirostrema (PlastisScala) morchi</i>	(Angas, 1871)
Janthinidae	<i>Janthina janthina</i>	(Linnaeus, 1758)
	<i>Janthina exigua</i>	(Lamarck, 1816)
	<i>Recluzia hargravesi</i>	Cox, 1870
Eulimidae	<i>Curveulima cornuta</i>	Laseron, 1955



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	<i>Curveulima obtusa</i>	Laserson, 1955
	<i>Eulima acutissima</i>	Sowerby, 1866
	<i>Eulima sobrina</i>	(Laserson, 1955)
	<i>Parvioris lata</i>	(Laserson, 1955)
	<i>Unidentified eulimids (?????)</i>	
Muricidae	<i>Chicoreus denudatus</i>	(Perry, 1811)
	<i>Murexiella phantom</i>	(Woolacott, 1957)
	<i>Murexiella brazieri</i>	(Angas, 1877)
	<i>Prototyphis angasi</i>	(Crosse, 1863)
	<i>Phyllocoma speciosa</i>	Angas, 1871
	<i>Bedevea paivae</i>	(Crosse, 1864)
	<i>Agnewia tritoniformis</i>	Blainville, 1832
	<i>Thais orbita</i>	(Gmelin, 1791)
	<i>Thais ambustulatus</i>	Hedley, 1912
	<i>Cronia aurantiaca</i>	(Hombron & Jacquinot, 1853)
	<i>Lepsiella reticulata</i>	Blainville, 1832
	<i>Morula marginalba</i>	(Blainville, 1832)
	<i>Morula nodulifera</i>	Menke, 1829
	<i>Coralliophila squamosissima</i>	Smith, 1876
	<i>Mipus arbutum</i>	(Woolacott, 1954)
	<i>Maculotriton serriale</i>	(Deshayes in Laborde & Linant, 1854)
	<i>Litozamia petterdi</i>	(Crosse, 1870)
	<i>Litozamia rudolphi</i>	(Brazier 1894)
	<i>Pinaxia versicolor</i>	(Gray, 1839)
	<i>Mipus nodosus</i>	(Adams, 1854)
	<i>3 unidentified juvenile specimens</i>	
Buccinidae	<i>Engina australis</i>	Reeve, 1872
	<i>Cominella eburne filacea</i>	(Crosse & Fischer, 1864)
Bursidae	<i>Bursa granularis</i>	(Roding, 1798)
Nassariidae	<i>Nassarius glans particeps</i>	Hedley, 1915
	<i>Nassarius gaudiosius</i>	(Hinds, 1844)
	<i>Nassarius nigellus</i>	(Reeve, 1854)
	<i>Nassarius pauperus</i>	(Gould, 1850)
	<i>Nassarius jonasii</i>	(Dunker, 1846)
	<i>Nassarius burchardi</i>	(Dunker in Philippi, 1849)
Olivellidae	<i>Belloliva exquisita</i>	(Angas, 1871)
	<i>Cupidoliva nympha</i>	(A. Adams & Angas, 1864)
	<i>Belloliva leucozona</i>	(A. Adams & Angas, 1864)
Columbellidae	<i>Pseudamycla dermestoidea</i>	(Lamarck, 1822)
	<i>Metanachis sp.</i>	
	<i>Mitrella semiconvexa</i>	(Lamarck, 1822)
	<i>Mitrella menkeana</i>	(Reeve, 1859)
	<i>Mitrella pulla</i>	Gaskoin, 1852
	<i>Dentimitrella peroniana</i>	Hedley, 1913
	<i>Aesopus pleurisulcatus</i>	Reeve, 1859
	<i>Zella beddomei</i>	Petterd, 1884
	<i>Macrozafra lurida</i>	Hedley, 1907
	<i>Macrozafra atkinsoni</i>	Tenison Woods, 1875
	<i>Macrozafra succinea</i>	Hervier, 1899
	<i>Zafra avicennia</i>	Hedley, 1915
	<i>Aesopus sp.</i>	
	<i>Pyrene sp.</i>	
	<i>Mitrella intexta</i>	(Gaskoin, 1852)
Marginellidae	<i>Austroginella johnstoni</i>	(Petterd, 1884)
	<i>Austroginella muscaria</i>	(Lamarck, 1822)
	<i>Mesoginella translucida</i>	(Sowerby, 1846)
	<i>Mesoginella turbinata</i>	(Sowerby, 1846)
	<i>Serrata mustelina</i>	(Angas, 1871)



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	<i>Alaginella ochracea</i>	(Angas, 1871)
Cysticidae	<i>Cystiscus angasi</i>	(Crosse, 1870)
	<i>Cystiscus multidentatus</i>	(May, 1920)
	<i>Cystiscus subauriculata</i>	(May, 1916)
	<i>Granulina nympha</i>	(Brazier, 1894)
	<i>Pugnus parvus</i>	(Hedley, 1896)
Mitridae	<i>Mitra glabra</i>	Swainson, 1832
	<i>Mitra badia</i>	Reeve, 1845
Costellaridae	<i>Vexillum cadaverosum</i>	(Reeve, 1844)
Terebridae	<i>Hastula brazieri</i>	(Angas, 1871)
	<i>Terebrid sp.</i>	
Turridae	<i>Austrodrillia angasi</i>	(Crosse, 1863)
	<i>Austrodrillia beraudiana</i>	(Crosse, 1863)
	<i>Marita compta</i>	(A. Adams & Angas, 1864)
	<i>Mitraguraleus mitralis</i>	(A. Adams & Angas, 1864)
	<i>Eugurales jacksonensis</i>	(Angas, 1877)
	<i>Asperdaphne verstvestita</i>	(Hedley, 1912)
	<i>Etrema bicolor</i>	(Angas, 1871)
	<i>Heterocithara bilineata</i>	(Angas, 1871)
	<i>Turella letourneauxiana</i>	(Crosse & Fischer, 1865)
	<i>Guraleus pictus</i>	(A. Adams & Angas, 1864)
Conidae	<i>Conus anemone</i>	Lamarck, 1810
	<i>Conus papilliferus</i>	Sowerby, 1834
	<i>Conus aplustre</i>	Reeve, 1843
	<i>Conus rutilis</i>	Menke, 1843
	<i>Conus ebraeus</i>	Linnaeus, 1758
	<i>Conus coronatus</i>	Gmelin, 1791
	<i>Conus musicus</i>	Hwass in Bruguiere, 1792
	<i>Conus sponsalis</i>	Hwass in Bruguiere, 1792
Architectonicidae	<i>Philippia lutea</i>	(Lamarck, 1822)
	<i>Psilaxis oxytropis</i>	(A. Adams, 1855)
	<i>Heliacus (Torinista) implexus</i>	(Mighels, 1845)
	<i>Pseudotorina delectabilis</i>	(Melville, 1893)
Pyramidellidae	<i>Charilda rosae</i>	(Hedley, 1901)
	<i>Eucharilda elegantula</i>	(Angas, 1871)
	<i>Cintiuga diaphana</i>	(Verco, 1906)
	<i>Linopyrga pascoei</i>	(Angas, 1867)
	<i>Linopyrga bisculpta</i>	Laserson, 1951
	<i>Linopyrga portsaensis</i>	Gatliff & Gabriel
	<i>Cingulina spina</i>	(Crosse & Fischer, 1864)
	<i>Cingulina circinata</i>	Adams
	<i>Latavia pulchra</i>	Henn & Brazier, 1894
	<i>Latavia tricarinata</i>	Laserson, 1951
	<i>Miralda suprasculpta</i>	(Tenison Woods, 1877)
	<i>Paregila henni</i>	(Brazier, 1894)
	<i>Oscilla tasmanica</i>	(Tenison Woods, 1877)
	<i>Symnola convexa</i>	Laserson, 1951
	<i>Symnola manifesta</i>	Hedley, 1912
	<i>Symnola tincta</i>	Angas, 1871)
	<i>Symnola aurantiaca</i>	Angas
	<i>Chemnitzia hofmani</i>	Angas, 1877
	<i>Chemnitzia ambulatia</i>	Laserson, 1951
	<i>Pyrgiscus gravicosta</i>	Laserson, 1951
	<i>Pyrgiscus varicifera</i>	(Tate, 1898)
	<i>Pyrgiscus flexicosta</i>	Laserson, 1951
	<i>Pyrgiscus infans</i>	Laserson, 1951
	<i>Egila mayii</i>	Tate
	<i>Elodiamea vincula</i>	Laserson, 1951



The Sydney Sheller



	Elodiamea caelatura	Laseron, 1951
	Turbonilla beddomei	Petterd
	Odostomia stricta	Laseron, 1951
	Pyramidellids var	
Amathinidae	Amathina violacea	(Angas, 1867)
Acteonidae	Pupa nivea	(Angas, 1871)
Hydatinidae	Hydatina physis	(Linnaeus, 1788)
	Aplustrum aplustre	Linnaeus, 1758
Bullinidae	Bullinea lineata	(Graay, 1825)
Scaphandridae	Cylichna arachis	(Quoy & Gaimard, 1833)
Bullidae	Bulla quoyii	Gray, 1843
	Bulla angasi	(Pilsbry, 1893)
Haminoeidae	Haminoea tenera	A. Adams, 1850
	Haminoea brevis	(Quoy & Gaimard, 1834)
Retusidae	Retusa hofmani	Angas, 1872
	Cylichnina pygmaea	A. Adams, 1854
Umbraculidae	Umbraculum umbraculum	(Lightfoot, 1786)
Ellobiidae	Marinula xanthostoma	H.&A. Adams, 1854
	Leuconopsis inermis	Hedley, 1901
	Ellobid sp.	
Trimusculidae	Gadinalea nivea	Hutton, 1883
Siphonariidae	Siphonaria denticulata	Quoy & Gaimard, 1833
	Siphonaria diemensis	(Quoy & Gaimard, 1833)
	Siphonaria zelanica	Quoy & Gaimard, 1833
	Siphonaria funiculata	Reeve, 1856

Table 2 The Pteropoda

	Diacria trispinosa	(Blainville, 1821)	
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Table 3 The Polyplacophora

	Stenochiton longicymba		
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Table 4 The Scaphoda

Dentallidae	Dentallium sp		
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Table 5 The Cephalopoda

Spirulidae	Spirula spirula	Linnaeus, 1758	
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Table 6 The Echinoida

Echinometridae	Heliocidaris erythrogramma	(Valenciennes, 1846)
Fibulariidae	Fibulariella acuta	Yoshiwara, 1898
Cidaridae	Phyllacanthus parvispinus	Tenison Woods, 1880

Table 7 The Brachiopoda

		?	
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Table 8 The Cirripeda

Lepas anafera	
Lepas anserifera	
Lepas pectinata	
Austrobalanus imperator	
Tesseropera rosea	

Table 9 The Cephalopoda

Sepia apama	
Sepia plangon	
Loligo australis	

Table 10 The Bivalvia

Arcidae	Barbatia pistachia	(Lamarck, 1819)
	Barbatia botanica	(Hedley, 1916)
	Barbatia squamosa	(Lamarck, 1819)
	Anadara trapezia	(Deshayes, 1857)
Glycymeridae	Glycymeris grayana	(Dunker, 1857)
Limopsidae	Lissarca elliptica	(Laseron, 1953)
	Lissarca picta	(Hedley, 1899)
Philobryidae	Philobra rubra	
Mytilidae	Trichomya hirsuta	(Lamarck, 1819)
	Modiolus peronianus	Laseron, 1956
	Musculus impactus	Hermann, 1782
	Mytilus planulatus	Lamarck, 1819
	Septifer australis	Laseron, 1956
	Mytilid sp.	
Pteriidae	Pinctada fucata	(Gould, 1850)
Malleidae	Vulsella spongiarum	Lamarck, 1819
Limidae	Lima nimbifer	Iredale, 1924
	Limatula strangei	(Sowerby, 1872)
	Divarilima sydneyensis	(Hedley, 1904)
Pinnidae	Atrina (Atrina) tasmanica	(Tenison Woods, 1876)
Ostreidae	Saccostrea glomerata	Gould, 1850
Spondylidae	Spondylus tenellus	Reeve, 1856
Pectinidae	Scaechlamys livida	(Lamarck, 1819)
	Chlamys aktinos	(Petterd, 1886)
	Pecten fumatus	Reeve, 1852
	Mimachlamys asperrima	(Lamarck, 1819)
	Semipallium coruscans	(Hinds, 1845)
	coruscans	
Anomiidae	Anomia trigonopsis	Hutton, 1877
Lucinidae	Codakia rugifera	(Reeve, 1835)
	Epicodakia gunnamatta	Iredale, 1930
Kellidae	Kellia sp.	
Galeommatidae	Marikellia solida	(Angas, 1877)
Chamidae	Chama fibula	Reeve, 1846

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Note: The Sydney Shell Club is a branch of the
 Malacological Society of Australasia (MSA) It is
 preferred that you are also a member of the MSA.
 MSA membership can be organised through Des
 Beechey

Des@pjm.gov.au

26 Malga Ave, Roseville Chase NSW 2069



Lasaeidae	Lasaea australis	(Lamarck, 1818)
Carditidae	Cardita excavata	Deshayes, 1854
	Venericardia bimaculata	(Deshayes, 1854)
Cardiidae	Acrosterigma kerslakae	Healy & Lamprell, 1992
	Afrocardium skeeti	(Hedley, 1906)
	Fulvia tenuicostata	(Lamarck, 1819)
	Nemocardium thetidis	Hedley, 1902
	Acrosterigma cygnorum	(Deshayes, 1855)
Crassatellidae	Talabrica fulvia	(Angas, 1871)
Hemidonacidae	Hemidonax dactylus	Hedley, 1923
	Hemidonax pictus	(Tryon, 1870)
Mactridae	Mactra jacksonensis	Smith, 1885
	Mactra pusilla	A. Adams, 1855
	Mactra contraria	Reeve, 1854
	Mactra (Electromactra) antecedens	Iredale, 1930
Psammobidae	Heteroglypta contraria	(Deshayes, 1863)
Tellinidae	Tellina albinella	Lamarck, 1818
	Tellina deltoidalis	Lamarck, 1818
Donacidae	Donax deltoides	Lamarck, 1818
Veneridae	Antigona persimilis	(Iredale, 1930)
	Tawera lagopus	(Lamarck, 1818)
	Tawera gallinula	Lamarck, 1818
	Gomphina undulosa	(Lamarck, 1818)
	Notocallista disrupta	(Sowerby, 1853)
	Irus carditoides	Lamarck, 1818
	Irus crenatus	(Lamarck, 1818)
	Venerupis anomala	(Lamarck, 1818)
	Katelsia rhytiphora	(Lamy, 1937)
Hiatellidae	Hiatella australis	Lamarck, 1818

Shell Club Minutes 22 April 2006

1. 6th National Shell Show/Conference

The President opened the meeting at 2pm and it was noted that the Townsville Club had reported to its members on the 6th National Show.

It was noted that the Treasurer had not completed the final accounts but these will be available shortly.

Discussions presently are continuing with the Brisbane MSA as to the sale of our stock of exhibition boxes and it is hoped to have the matter finalized within the next few weeks.

2. Conchologist of America Award

Mr Dean reported on his recent correspondence with the COA and it is hoped that our 26th Annual Shell Show and Conference this year will our first that includes a COA Award for an Educational Exhibit that furthers the interests of Shells and Shell knowledge.

3. 26th Annual Shell Show & Conference – 28th October 2006

The President handed out a draft list of exhibition categories and discussion ensued as to suitable categories.



4. Research Permits

It was noted that there had been recent changes to the legislation regarding the issue of permits for research. The President will discuss the matter further with Mr Hannon with the view of the Club applying for a blanket permit.

5. Grants/Subsidies

The President reported that there are several Grant Programs supporting aquatic conservation projects, scientific endeavors, benefit to geographic areas, research related to education information and training, recreational fish/shell sustainability and habitat improvement, shell monitoring and habitat mapping etc.

It was reported that apart from formalities in most applications there is the requirement of specific environment benefit project goals. The methods by which these goals can be accomplished, the significance of the project, the time frame and an itemized budget are also necessary.

6. Field Days

It was noted that the best weekend for low tides was Saturday and Sunday afternoons 7th and 8th October 2006 being 0.12 and 0.11 respectively. Several locations were discussed and the matter was deferred until the next meeting.

7. Raffles

Mrs Maureen Anderson reported that she would not be continuing with the conduct of the raffles and in that regard she will step down at 30th June 2006. The President together with the members present thanked Maureen for her longstanding contribution to the Club noting the time and effort she had expended in the past.

8. A New Conchologist

It was noted that Karen Barnes gave birth to a bouncing baby boy recently, named Alexander Barnes. It is anticipated that with Chris' initial help both Andrew and Alex will be strong competitors in the junior ranks for some years to come.

9. Molluscs 2006 Triennial Meeting

It was noted that MSA are conducting a series of lectures together with pre and post conference workshops. Details available from University of Wollongong website www.uow.edu.au/conferences/molluscs06/

Shell Club Library Update

Goals:

Add the most up-to-date reference books to the club library, family by family as funds allow. Compliment these with older reference books and articles from the same family creating sets of references for each family with enough information about a family so members are able to identify specimens they have collected or have received with old data tags. Add to the library family by family based on interests of current members. If a good number of members already have the latest references in a particular family, leave library purchases for that family to a later date.

New Donations:

Thanks go to Steve Dean for donating
Mitre Shells from the Pacific and Indian Ocean, Peter Pechar, and
Olive Shells of the World R F Zeiger.

Thanks go to Peter Pienaar for donating
Seashells of South-East Australia Patty Jansen, and
Iconography – The Family Harpidae 1999

New Acquisitions:

Guide to Worldwide Cowries revised second revision, Lorenz & Hubert 2000
New Worldwide Cowries, Lorenz 2002
Iconography – The Family Strombidae 1999
Olividae a collectors guide, G Sterba 2003
Mitridae Costellariidae, Robin & martin 2004

What current reference material could YOU donate (Books, articles, or papers)?



Naming New Species

By John Franklin

Whats' in a name? You have found a shell and there is no other like it in the world.

Well the hard work is over, you now have to do something with it. Perhaps the first point of call would be your Shell Club as there is the possibility that the shell is not unique. However after establishing the uniqueness of the shell, you should then proceed to your local Museum who will identify the unnamed species and prepare a description.

The Museum then identifies a name for the new species and submits a manuscript including the description and new name to a scientific journal.

Once the paper is printed in the journal, the species and name are accepted as new and used in future research and publications. When endorsement is given, you will receive certification that your chosen species is formally named after you.

Shell Club Minutes 27th August 2006

Meeting opened 2pm by John Franklin

1. Yellow Pages Advertising:

The President reported that he had arranged for a free of cost insertion of Club details in the Yellow Page telephone directory for next year. It was noted that some years ago a similar insertion appeared.

2 .Library:

Hugh Morrisons' book price list was tabled and Steve Dean reported on his discussions with Hugh as to the possibility of the Club purchasing shell books from time to time for the library. Following further discussion it was Resolved that the Club purchase \$400-\$500 worth of books in the immediate future to catch up on previous plans to purchase books deferred because of the national show. It was resolved that every year a similar amount be spent for the purpose of strengthening our book reference collection as a service to members.

3. 26th Annual Shell Show and Conference:

It was reported that the Ryedale room had been booked for the entire day and following further discussion it was Resolved to reduce the number of exhibits and to delete the children's' program for this Show. There will be a guest speaker content.

4. Conchologists of America Award:

Steve Dean reported that the COA will donate an Award for an exhibit with a scientific educational component that best advances the interest in shells and shell collecting. The award will not be issued if there are no suitable scientific exhibits .

5. Field Day:

It was noted that the next Field day will be held at Toowoan Bay on the Central Coast at 3pm Saturday 9th September 06.

6. Field trips:

Jack Hannon reported that he had visited Careel Bay-Pittwater and observed lots of mud whelks along the edge of the seagrass. Steve Dean advised that he recently had a trip to Long Reef to review the fauna and reported that there were 10 times the normal amount of cowries, most were healthy juveniles. There was a shift in the mix of species from the norm at Long Reef. An abundance of *Cypraea clandestina* (Mature) yet no *Cypraea labrolineata* whatsoever (mature or juvenile).

7. International Shell Shows:

It was noted that that the New Zealand Shell Show will be held at the Lower Hutt Town Hall, Wellington from 27th to 28th January 2007.

8. Guest Speaker:

Ian Campbell from Dora Creek gave a most informative talk on razor shell population expansion in Lake Macquarie, North of Sydney, and the three year research program he is conducting. (*Pinna bicolor* and *Atrina tasmanica*) The talk was most appreciated by members.

Meeting closed at 4.00pm.



26th Annual Shell Show 28th October 2005; Public Entry 2pm – 4.30pm

11:00 – 11:15	Tables laid out
11:15 – 12:30	Competitive Display and Dealer set-up
11:30 – 4:30	Shell seller/dealer tables running
12:30 – 2:00	Lunch break – own arrangements. Venue has a good bistro
1:00 – 2:00	Judging of exhibits and applying award certificates
2:00 – 4:30	View spectacular shells in the competitive displays
2:15 – 2:40	Lecture/Discussion/Guest Speaker
2:45 – 3:10	Lecture/Discussion/Guest Speaker
2:00 – 3:30	Bring your shells along and have them identified
3:00 – 4:00	Buy, swap and sell – get a bargain
4:30 – 5:00	Pack-up exhibits. Close

1. Cost to Attend, Exhibit and/or Sell shells:

- Free entry
- Exhibits - Adults \$4 per competitive display, Juniors free to exhibit
- Shell sales \$20 (includes table space)
- A Sell-Swap-Buy spot \$10

2. Additional categories: If there are multiple junior entries in a given category, then we may create two sections within the category, with adults and juniors judged and awarded separately.

3. Guidelines: For more information about shell show guidelines refer to documents of the 2006 National

4. Judging: Judging points are to be allocated as follows:-
 50% for quality – points will be deducted for flaws, holes, immaturity, faded colours, uncleaned, buffed or filed shells.
 20% for high degree of variety as appropriate to the section: eg. range of species in a family, range in size, range in locality.
 20% for presentation, ie. layout, attractiveness, labels.
 10% for labelling, ie. accuracy and completeness of information. (Hand written OK)
 Points will be deducted where the number of specimens specified is not adhered to.
 Shell of the show is judged for shell quality and labelling only

5. Number of exhibits: Individual exhibitors may enter as many separate entries as they like in each category

6. COA Award: Conchologists of America Award. (Donated by the COA) This prestigious award is for an exhibit with a scientific educational component that best advances the interest in shells and shell collecting. The exhibit should preferably be an entry in one of the competitive categories, and when possible the first place in its category. If there are no suitable educational exhibits then no COA award will be issued.

7. Display sizes: There is no restriction on display size - within reason. As well as the competitive element that is judged per above, individual exhibits may optionally have a non-competitive educational or other interest section that is not judged and may contain additional specimens or information. For the purpose of judging the COA Award the whole exhibit will be taken into consideration.

8. Disputes: The decision of the Shell Show Manager or his nominee will be final.

9. Registration: You may register on the day. However to avoid congestion at the door, you are welcome to pre-register. If possible we would like to know ahead of time in which categories you intend to exhibit. Those needing dealer tables should advise their intent to attend ahead of time to ensure tables are set out.
 Shell Show Manager: Steve Dean, steve@dean.as PO Box 316 MONA VALE, NSW 1660

10. Exhibit categories: As per July-August 2006 Sheller except #2 Cassidae, and #12 Bivalva which have been dropped from the published list because of not enough pre-show entries

11. Award Certificates: Only first place exhibitor awards will be issued



Razor Shells *Pinna bicolor* and *Atrina tasmanica*

Summarised by John Franklin & Steve Dean

Ian Campbell is an environmental science student. At the 6th National Shell Show and Convention, and more recently at our club meeting, he gave interesting talks on razor shells as they occur in Lake Macquarie, New South Wales. Razor shells are found in Europe, Alaska, Asia and America, but generally not a great deal of research has been done. There are two species of razor shell presently in quantity in the lake, living in shallow water amongst seagrass primarily within 20m of the shoreline. Most are in water less than 2m deep.

Shell characteristics:

- * The shells of *Pinna bicolor*, a bivalve, are often in excess of 450mm tall. The shells of *Atrina tasmanica* are a little smaller
- * The shell is fan-shaped, elongated and triangular with radiating ribs. *Atrina tasmanica* also has spines.
- * When dry the shell breaks easily.
- * The shell is a sand/mud dweller and sits in an upright position secured by a byssus deeply embedded in the sand.
- * Ingestion is simply the opening and closing of the valves of the shell, thus providing a filter effect, cleaning the water.
- * The interesting thing is that these shells live in a symbiotic relationship with other creatures. A small shrimp often with eggs lives in the shells of most live razors. Crabs and small fish reside in the dead oyster shells on the outside of the razor shells.
- * Live shells can be gently removed for measuring. After replacing the byssus subsequently re-attaches.

Recently the number of razor shells in the lake has very considerably increased and the goal of this initial research is to get a baseline measure of razor shell numbers, size and distribution within the lake. This could lead to other research into population trends, reasons for the increases, or even the potential to harvest as a food crop. Initial non-quantified observations suggest that juvenile blue swimmer crabs and small fish could be natural predators that in the past may possibly have helped control the populations. Many locals think the shells are a recent introduction to the lake as they have not noticed them in the past. Other locals blame water temperature, pollution etc.

The large numbers now constitute a threat to sail-board riders, skiers and children playing in the shallow waters of the Lake. Because the shells live with their sharp posterior edges protruding upwards out of the sand, and because they are often densely packed with many hundreds all next to each other, in recent times there have been a number of cases of people getting cut up pretty bad. People needing 60 stitches are getting more common. Cut feet are very common, but often people assume glass cut them.

The lake is surrounded by waterfront houses so local residents have been taking matters into their own hands with mass clearing in front of individual properties. This practice interferes with research of tagged specimens and of counting quantities.

Perhaps one solution to the problem could be to designate areas clear of the shells, so that the children may play in safety.

Some Shell Shows/Conventions 2006/2007

28 October 2006 26th ANNUAL SHELL SHOW & CONVENTION, SYDNEY
117 Ryedale Road, West Ryde.
Steve Dean, email to steve@dean.as or Tele. John Franklin, 02.99860057.

28 October 2006 British Shell Collectors Club
Convention, Napier Hall, Hide Place, London, England.
Tom Walker, email to tom@tmwalker.co.uk .Tele.44[118]987-4294.

4-5 Nov. 2006 11th Prague International Shell Show
Kulturni Dum Ladvi Czech Rep.
Jaroslav Derka email jderka@volny.cz Tele. 42[2]57316246

6-8 Dec 2006 Molluscs 2006.
University of Wollongong, NSW.
Dr Mark Norman + 613 83417456, emailnorman@museum.vic.gov.au

27-28th Jan. 2007
New Zealand Shell Show Lower Hutt Town Hall, Wellington.
Email Deirdre.standish@clear.net.nz or Tele. 64 49386554.

1-5th Aug. 2007, Conchologists of America Convention
Monarch Hotel & Conference Centre, Portland, Oregon, USA.

27th Oct. 2007, 27th Annual Shell Show & Convention, Sydney.