

SYDNEY SHELLER

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

Next Meeting:

25th June 2005

(normally 4th Saturday)

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

Topic: Isobel Bennet's slide collection from 40 years ago, presented by the Cathy Hemery, Coastal Environment Centre

View these newsletters with more pictures, plus references, and club information at www.sydneyshellclub.net

Contributions:

Please send contributions to:

Steve Dean
PO Box 316, Mona Vale, NSW 1660
Text by disk or email only. Photos, and disks by mail, or preferably by email to steve@dean.as

If you cannot get your text onto disk, then **Karen Barnes** may be prepared to type it for you - send material to:
1/7-9 Severn St Maroubra
NSW 2035

Club Executive:

Office bearers:

President: John Franklin
Vice Pres: Maureen Anderson
Secretary: Chris Barnes

Honorary:

Raffles: Maureen Anderson
Treasurer: Peter Pienaar
Sheller Editor: Steve Dean
Librarian: John Franklin
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.



MV Malabar just after it hit the rocks at the entrance to Long Bay



HMAS Goolgwa where it first hit the rocks at Long Bay

Both of these wrecks are now dive sites within Long Bay, and no doubt provide habitat for some of the species found washed up in our club's 12 month study around Long Bays' foreshores. All the species found are listed in upcoming Sheller issues.

Some of the topics inside:

- A study for the Molluscs of Long Bay
(Cover photo)
- Tsunami damage underwater
- Important Dates
- Minutes November - April

VISITING – PERTH, WESTERN AUSTRALIA

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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

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A Study of the Mollusc Fauna of Long Bay – Part 1

Project Description

In December 2002 the NSW Branch of the Malacological Society of Australasia conducted a field trip to Long Bay; during the field trip members discovered that this area is rich in mollusc species. Many species observed were found to be outside their known geographic distribution. At least one deep- water species was found. Subsequently it was decided to subject the area to a detailed study.

This project has been a combined effort of several members of the NSW Branch of the Malacological Society of Australia.

Principal contributors

Chris Barnes (field collecting)
Des Beechey (specimen identification)
John Franklin (initial listing of species)
Patty Jansen (field collecting and specimen identification)
Michael Keats (weekly field collecting and specimen identification)
Ashley Miskelly (echinoid identification)
Sandra Montague (grit analysis and microscopic specimen identification)
Steve Dean (Report layout and adding species typical pictures)

Description of the collecting area

Long Bay is located on the coast south of Sydney approximately 10 kilometres SSE from the Sydney GPO. The bay is broadly rectangular in shape with popular sandy surfing beach Malabar at the NNW end. The Bay is bounded at the coast by Boora Point in the north and Tupia Head in the south. In length the bay exceeds 1000m and in width averages 400m.

The Bay is generally shallow (2 – 3 metres). The substrate varies from rocky to sandy with weed beds and stands of kelp and other marine vegetation. There are numerous underwater overhangs and a multitude of micro-habitats. The beach area is flanked by a large rocky platform on the northern side. The beach in this area is very coarse comprising both natural and artificial gravel. At low tide it is possible to walk right around the rocks and beaches from Boora Point to Tupia Head. The back of the beach has been landscaped by Randwick Council. The bay is very popular with scuba and skin divers vying with surfers, wind surfers, fishermen and general beach usage.

The immediate surrounds of the bay are modified by development. To the north is one of Sydney's major sewerage works. To the south, there is a mix of residential and commercial buildings. There is residual native bushland on the end of Boora Point while Tupia Head is a golf course.

The rock platform to the north has a boat ramp and the northern corner of Malabar Beach has a major storm water outfall. There are many other minor storm water pipes discharging into the bay. On the southern side there is a swimming pool that provides a significant artificial habitat.

Description of the principal collecting sites

Three areas were sampled; the small 'beach' immediately east of the boat ramp; the surfing beach and the rock platform immediately to the east of the swimming pool.

- 1 the small 'beach' east of the boat ramp.

This beach is ephemeral. It lies on top of an elevated rock platform. It varies in size and configuration from tide to tide and attains a maximum 5m in width. Often it is much smaller. The depth of the grit deposits is similarly variable and have reached a maximum depth of 50mm. For the beach to exist, the waves must carry sand and molluscs across numerous rock bars. There are numerous small depressions and potholes that act as natural collecting sites. The species deposited each diurnal change of tide is infinitely variable.

- 2 the surfing beach

Generally the beach grades from fine sand at the southern end to coarse gravel at the northern end. The area covered by gravel varies depending on the tidal and weather conditions. There are often 4 or 5 margin lines where molluscs are deposited from each tide

- 3 the rock platform immediately east of the swimming pool.



There is a large, natural rock pool and platform protected from direct ocean influence adjoining the eastern wall of the swimming pool. Into this natural rock pool, the filtration and cycling pumping system discharges huge volumes of water. This water is warmer than the ocean. It has created an artificial environment of some significance to warmer climate mollusc species.

Duration of the sampling process

Weekly sampling of sites 1 and 2 for beached material commenced in December 2002 and concluded in December 2003. Irregular sampling commenced several years earlier while sampling of site 3 for live material has been sporadic. This allowed for a complete annual cycle of seasons and weather conditions. It is accepted that sampling over 1 year may not be comprehensive but is probably representative.

The sampling process at sites 1 and 2 was carried out on both rising and falling tides. Yields of material varied widely on each visit. On several occasions 40 litre samples of grit were removed and sorted by Sandra Montague. Many smaller grab samples were also removed for micro mollusc analysis.

Sampling from site 3 was limited to specifically collect specimens of 'tropical wanderers'. These are mentioned in the list of identified material. The 'assistance' of a family of octopods provided many fresh dead clean specimens.

The identified species

Due to the very large number of species and families observed, the family lists some with pictures, will be spread over a number of Sheller issues. After adequate families have been showcased then a consolidated summary list will be printed. All pictures have been resized. Picture size, or size relative to other pictures in the same family, is therefore no aid to identification.

Nacellidae



Cellana tramoserica
(Holten, 1802)

Patellidae



Scutellastra chapmani
(TenisonWoods, 1876)



Scutellastra peronii
(Blainville, 1825)



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Lotiidae



Patelloida alticostata
(Angas, 1865)



Patelloida mimula
(Iredale, 1924)



Patelloida mufria
(Hedley, 1915)



Notoacmea petterdi
(Tenison Woods, 1876)



Asteracmea illibrata
(Verco, 1906)

Neritidae



Nerita atramentosa
Reeve, 1855



Smaragdia souverbiana
(Gassies, 1861)

Scissurellidae



Sukashitrochus atkinsoni
(Tenison Woods, 1877)

Haliotidae



Haliotis brazieri
Angas, 1859



Haliotis coccoradiata
Reeve, 1846



Haliotis hargreavesi
Cox, 1869



Haliotis rubra
Leach, 1814

Fissurellidae



Amblychilepas nigrita
(Sowerby, 1834)



Amblychilepas javanicensis
(Lamarck, 1822)



Diodora lineata
Sowerby, 1835



Montfortula rugosa
(Quoy & Gaimard, 1846)



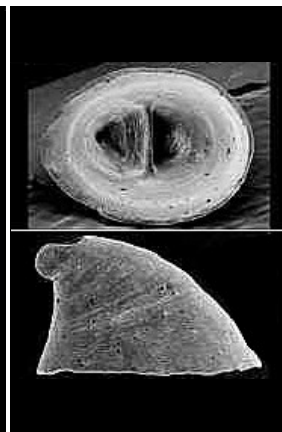
Emarginula candida
A. Adams, 1852



Scutus antipodes
Montfort, 1810



Tugali parmophoidea
(Quoy & Gaimard, 1834)



Puncturella kesteveni
Hedley, 1900

ASSESSING TSUNAMI DAMAGE TO INDIAN OCEAN MPAS: FINDING ANSWERS AMID CHAOS

Abridged from MPA News, vol. 6, no. 7

Thailand

In Thailand, the government moved swiftly to initiate impact assessments on marine ecosystems. With diving and marine tourism accounting for significant portions of national revenue, government officials were eager to measure how the tsunami had affected its marine national parks, which were closed to visitation following the disaster. Preliminary data on impacts to sandy areas, rocky shores, mangroves and coral reefs were used to develop an underwater survey protocol for more intensive assessments.

Biologist Suchana Chavanich of Chulalongkorn University (Thailand) was part of a preliminary survey and follow-up research group. Her work focused on the coral-laden Ko Similan Marine National Park, a popular destination for dive tourists, and a site she had previously surveyed. Chavanich observed a range of impacts. Some coral reefs had been heavily damaged – even as deep as 90 feet (about 27 metres) – while others appeared unaffected. Similarly, some beaches and seafloor areas had lost sand, while others had gained it – a significant amount of sand was missing from one seafloor site 100 feet (30 metres) below sea level.

The assessment effort has been essential to grasping the damage to Thailand's marine resources. However, Chavanich warns that the protocol is imperfect and may result in inaccurate damage estimates. It offers no rigorous method for measuring percentage of coral damage, aside from relying on the diver's best estimates. Furthermore the protocol requires no prior familiarity with survey sites, thus making it difficult in some circumstances for surveyors to tell whether a coral died from events before the tsunami, such as coral bleaching.

Chavanich says that the impacts to coral in Thailand do not appear to be as severe as first feared. Effects have been greater on the tourism industry, where offices and tourist lodgings in most of marine national parks were destroyed, as this is the peak



tourist season (ending April). It may take two to three months to build even temporary buildings. Efforts to repair broken and smothered corals are also underway.

Source: *An unabridged version of this article appears in MPA News, vol. 6, no. 7 (February 2005)*

MARINE PARK PROTECTED FROM COMMERCIAL FISHING

A third state marine park, protecting the world's southernmost coral reef, is now fully operational at Lord Howe Island, NSW. The State Government says the zoning plan gives sanctuary level protection to the only World Heritage listed marine area in NSW. Activities including recreational boating, scuba diving and scientific research will still be permitted but commercial fishing is restricted. The Minister for Primary Industries, Ian Macdonald, says it is an exciting announcement with 27% of the 46,000 hectare marine park protected in a sanctuary zone permitting no fishing activity.

Source: ABC News Online, 23/1/05 www.abc.net.au/news/newsitems/200501/s1287083.htm

IMPORTANT DATES

DATE & LOCATION	EVENT	CONTACT
6-8 June 2005 Gold Coast, Queensland	OCSEE 2005 International Conference on Ocean/Coastal Science and Engineering Education	Dr Charles Lemckert T: (07) 5552 8574 E: www.gu.edu.au/school/eng/OCSEE/OCSEE.html
22-26 June 2005 Oregon, Portland	40th Oregon Shell Show	Oregon Museum of Science & Industry, Portland. Maxine Hale 347 N.E. 136 Avenue, Portland 97230-3308 (503) 253-5379
26-30 June 2005 California	Joint American Malacological Society / Western Society of Malacology Meeting	Asilomar Conference Grounds, Asilomar Avenue, Pacific Grove, California Dr Dianna Padilla, Dept of Ecology & Evolution SUNY at Stony Brook, Stony Brook, NY 11794 (631) 632-7434 E: Padilla@life.bio.sunysb.edu
2-3 July 2005 Jacksonville Beach, Fl.	Jacksonville Shell Show	Charlotte M. Lloyd 1010 N. 24th Street, Jacksonville Beach Fl. 32250-2883 / 904-246-0874 E: challoyd@bellsouth.net
16-17 July 2005 Queensland	Yeppoon Shell Show (Keppel Bay Shell Show)	Keppel Bay Shell Club Secretary PO Box 5166 Rockhampton MC Qld 4702
18-25 July 2005 Punta Rassa, Florida, USA	34th Annual Convention of The Conchologists of America Inc. C.O.A.	Visit Conch-Net, the Conchologists of America website: http://coa.acnatsci.org/conchnet/
23-24 July 2005 Queensland	Townsville Shell Show	Club Secretary at 19 Farrell Street, Kirawn Qld 4817 or sibby@austarnet.com.au
19-21 August 2005 Stone Harbour, New Jersey	Jersey Cape Shell Show	Jersey Cape Shell Club PO Box 124 Stone Harbour NJ 08247 (609) 653-8017
23-26 August 2005 Wellington, NZ	Human Impacts in the Marine Environment. A conference of the New Zealand Marine Sciences Association	http://www.nzmss.rsnz.org
16-19 September 2005 Auckland, NZ	75th Anniversary of Auckland Shell Club	Mrs M. Morley 25 The Boulevard, Pakaranga, Auckland 1706 T: 0011 64 9576 8323 Peter Poortman: poortman@xtra.co.nz
17-18 September 2005 Ottmarsheim, France	26th International Shells & Fossil Bourse	Michel Rioual, 2 Rue des Vergers 68490 Ottmarsheim, France (3) 8926 1643
21-23 September 2005 Adelaide	2005 Coasts and Ports Australasian Conference – Coastal Living – Living Coast	Plevin and Associates Pty Ltd T: (08) 8379 8222
24-25 September 2005 Oehringen, Germany	Annual German Shell Fair,	KULTURA Hall, Herrenwiesenstr. 12 Kurt Kreipl, Hoehenweg 6 D-74613 Oehringen-Cappel, Germany (7941) 62-826, fax: (7941)2065 E-mail: meeresmuseum@t-online.de
30 September 2005 Raleigh, NC	North Carolina Shell Show	Oct. 2 Ann Buddenhagen, 804 Westwood Drive Raleigh, NC 27607 (919) 787-7103



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		E-mail: pabjetster@aol.com
8-9 October 2005 Philadelphia, PA	Philadelphia Shell Show	Al Schilling 419 Linden Ave Glenside, PA 19038 (215) 886-5807 E: alsch@bellatlantic.net
22 October 2005 West Ryde, Sydney NSW	25th Annual Shell Show of the NSW Branch of The Malacological Society of Australasia	Lecture/discussion program dealing with topics of interest followed by an exhibition of shells taken from some of the finest collections in Australia, featuring many rare shells. Steve Dean T: (02) 9979 9521 E: steve@easy.com.au
28-29 October 2005 Lake Jackson, Texas	Sea Shell Searchers Shell Show	Wanda Coker 332 Banyan, Lake Jackson, Texas 77566 (979) 297 0852 E: shellman7000@sbcglobal.net
29 October 2005 London, England	British Shell Collectors Club Shell Show	Tom Walker, 38 Redlands Road, Reading, Berkshire RG1 5HD (44) 118 987 4294 E: tom@tmwalker.co.uk
19-20 November 2005 Prague, Czech Rep	10 th Prague International Shell Show.	MENZA CVUT, Jugoslavskych Partyzanu 3, Prague Jaroslav Derka, Holeczkova 51/370 15000 Praha 5, Czech Republic 42 (2) 5731 6246 E-mail: jderka@volny.cz
January 2006 Melbourne, FL	Space Coast Shell Festival	The Melbourne Auditorium, 625 E. Hibiscus Blvd. Jim & Bobbi Cordy, 385 Needle Blvd. Merritt Is., FL 32953 (321) 452-5736 E-mail: corshell@earthlink.net
February 2006 Pompano Beach, FL	Broward Shell Show	Pompano Beach Recreation Center, NE 18th Av. & NE 6th St. Jim VunKannon, 2219 NE 16th Court Ft. Lauderdale, FL 33305 (954) 561-0120
February 2006 Sarasota, FL	Sarasota Shell Show	Auditorium, Tamiami Trail Lynn Gaulin, 4407 33rd Ct. East Bradenton, FL 34203 (941) 755-1270 E-mail: shellhunter@att.net
February 2006 Treasure Is., FL	St Petersburg Shell Show	Community Center, 1 Park Place Bob & Betty Lipe, 348 Corey Avenue St. Petersburg Beach, FL 33706 (727) 360-0586; FAX: 360-3668 E-mail: rlpe1@tampabay.rr.com. Exhibit form available at web site: http://web.tampabay.rr.com/shellclub
March 2006 Sanibel, FL	Sanibel Shell Show	Sanibel Community Center, Periwinkle Way Anne Joffe, 1163 Kittiwake Circle Sanibel, FL 33957 (239) 472-3151 E-mail: sanibelchiton@aol.com
11-12 March 2006	6th Australian National Shell Show The Shell Club of Sydney NSW Branch of MSA Ltd	Shell displays, international dealers, lecture program, large segment for children's activities. Steve Dean T(02) 9979 9521 E: steve@easy.com.au
March 2006 Marco Is., FL	Marco Island Shell Club Show	Presbyterian Church 875 West Elkcam Circle Marco Island, Florida 34145 (239) 393-1770
March 2006 Jensen Beach, FL	Treasure Coast Shell Club Show	Langford park Field House, 2369 N.E. Dixie Highway Jensen Beach, FL Linda Zylman, 1850 S.W. Crane Creek, Palm City, FL 34990-2216 E-mail: lzyzman@innocenti-webel.com (772) 220- 2582
29 April 2006 London, England	British Shell Collectors Club Convention	Tom Walker, 38 Redlands Road, Reading, Berkshire RG1 5HD (44) 118 987 4294 E: tom@tmwalker.co.uk
4-5 May 2006 Antwerp, Belgium	16 th Belgium International Shell Show	Schijnpoort, Schijnpoort Straat L. Broekmans, Gerststraat 4 B-2861 O.L.Vrouw-Waver Belgium 32 - 15 76 15 77 E-mail: bvc.international@pandora.be

* Above details subject to change, please confirm with contact person. (Only one event shown each weekend)

Minutes November 2004



Meeting was opened by J. Franklin at 2.06 pm.

2004 Annual Shell Show - Reports from a number of office bearers on the success of the club's annual event.
Future Meetings - RELC may be adjusting fees for next year, will have to wait and see and discuss issue down the track.
Public Relations - It has been proposed to prepare a suitable brochure for adults and children visiting search and discovery areas at Museums. The idea would be to raise the image of the group and possibly gain new membership.
2004 Christmas Party - Island to be held at 7.00pm on Saturday 4th December at RELC in the Hawks Nest Restaurant.
Field trip to Norah Head - Christmas field trip 12th December 2004 at 12.00pm for a 2.45 low tide.
Mollusc Observation Sheets for Kids - The group discussed the idea of developing observation sheets.
January meeting cancelled.

Shell auction

Individual member presentations with a theme of "Variation within a species or genus". Topics for discussion included *Voluta fulgetrum*, *Cypraea mappa*, *Oliva miniacea*, genus *Umbilia* and *Cypraea cribraria*.

Meeting closed at 2.43pm. C. Barnes Secretary

February Minutes

The meeting was opened by J. Franklin at 2.03 pm.

2005 Annual Shell Show - Discussed the number of categories, as per handout. Discussed program, also as per handout. Guest speakers, and possible topics. Des Beechey agreed to give a presentation.

Guest speakers at monthly meetings were also discussed. Possible presenters raised were Dept of Fisheries, Australian Quarantine & Inspection Services.

Sydney Harbour Week – 4th to 13th of March 2005. - John Franklin, suggested it possible to approach the committee of the Sydney Harbour Foreshore Authority, to arrange an "event" during the National Shell Show in 2006.

Research Projects

MSA Direction of Research Activities, the President advised that in some instances it is a condition of NSW Fisheries permits that research projects be directed by MSA. The President NSW Branch suggested the following topics :-

- General observations & identification work
- Distribution analysis
- Surveys
- Photographs – index program

The Vice President MSA Mr Des Beechey suggested that the following topics could possibly be of benefit, provided researchers lists / identification were accurate. In addition all species collected should be accurately labelled:-

- Any family under 0.3mm
- Triphorids
- Columbelloids

The members present noted the discussion.

Library A Shellers Directory of Club's Books, Periodicals and Dealers (Rice), It was suggested the group purchase a copy prior to the NSS Sydney 2006.

Cake Roster 23rd April C. Barnes 28th May P. Pienaar 25th June R. Moylan

Members Reports

J. Franklin reported that he thought the group would be celebrating its 80th year next year, though there was some debate about this point. John suggested the Marine Section began back in 1926.

Ron Moylan reported on a new species of *Tibia* being described from depths greater than 500 metres, trawled by Scampi boats up north, and *Voluta rinkensi*, was also being collected.

Presentation "Cleaning & Care of Shells" by R. Moylan. Ron discussed issues from removal of dead animal (methylated spirits & salt water) to ultrasonic cleaning baths to remove marine growths. The occasional re-hydration with distilled water for older shells in your collection, and a very light application of liquid paraffin oil could benefit certain types. Mechanical cleaning methods and correct storage were also discussed. Meeting closed at 3.23pm. C. Barnes Secretary

April Minutes



The meeting was opened by J. Franklin at 2.13 pm.

OUR NSW 25th ANNUAL SHELL SHOW 2005

- a) When was our first annual shell show? From early editions of "Cons Conchology" it appears that individual members often brought to meetings displays of shells but there is no mention in the minutes that actual competitions were held, nor indeed that prizes were offered. Thus it was not until 18th July 1981, that the first Mini Shell Show was held. Although only 24 years have passed since 1981, the actual number of Shell Shows held is 25.
- b) Being one quarter of a century of age shall we do something special?
- c) Categories: At the last meeting it was agreed to use the same categories as the upcoming NSS.
- d) Program and Guest Speakers being arranged.
- e) Shell Show Rules: It was also decided to use the same National Rules in so far as they are applicable to the NSW Annual Shell Show. In instances of disputation / conflict the Shell Show Manager or his nominee will settle the matter, and his / her decision will be final.

J. Dunkerley reported on a recent trip to Spencers Gulf S.A. John was investigating Zoila, in particular, *Cypraea thersites*. John talked on how the species were protected by a strictly enforced policy of one shell per person per day. John discussed snorkelling from a small boat near Stansbury and added that you needed the boat to get far enough off shore (one kilometre). John displayed a number of fine specimens collected whilst on the trip.

"Sheller" S. Dean reported on repair / replacement issues with printer.

Members Reports

D. Drake reported on various trips to sites around Sydney, including Palm Beach, Newport and Gunnamatta Bay south of Sydney. Douglas described and displayed a number of univalves and bivalves dead beach collected on his visits.

General Business

J. Franklin suggested a visit to the Museum to view the collection, and invited comment. It was advised that the Museum Open day was possibly the best opportunity for this, and a large group would be very difficult to arrange and co-ordinate.

R. Moylan asked if the group should be donating any further perpetual trophies for the up coming NSS Sydney 2006.

Guest Speaker

D. Beechey gave a power point presentation on his web site including the latest updates. The main family Des discussed was Turridae, covering holotypes, naming of species and even Laseron 1954 and his input to the study of the family. The group enjoyed Des's talk and pictures of some quite unique specimens.

Meeting closed at 4.22pm. C. Barnes Secretary
