



MACKAY NEWS

A number of us had the pleasure on Thursday 27th May to meet at the local surf club with the MTAQ members working on the junior marine syllabus. It was a good to meet up with the locals, with people I have met at previous conferences and to meet some new faces. It was a great evening of catching up with friends, conference details and of course sharing teaching ideas.

One of the new faces to marine teaching is Becky Mian who is settling in well at Mackay North SHS. She makes up one of a team of 3 teachers who have been taking out their year 12 marine classes for two boating days each class.

Boating in Mackay has become a bit more of a problem since the Mackay Port Authority has decided to take on the anti-terrorist stance of banning all recreational boating, and schools, from the commercial side of the harbour. There goes all that sheltered water within the harbour walls on windy days! Apparently Mackay is only one of two ports in Australia to make this stand. We can still use the marina side of the harbour but this is becoming more restrictive as more new fingers for berths are added, and those million dollar yachts look too easy to scratch to have inexperienced students manoeuvre amongst them. The Pioneer River is an option, but the currents that come with some of our bigger tides make it suitable only on a second boating day when the kids have more of an idea of what they are doing. Mirani can still go to Kinchant Dam, when there is enough water in it!

There is a first year teacher at Mackay SHS and another at Mercy College who are filling in marine positions on contracts, and they are both doing impressive jobs. They are both keen. One has been plankton trawling with me and we will spend the next three days on camp to Rabbit I, camping, fishing and boating with our year 12 students. Two more young marine teachers in our ranks I hope.

Edan Daniel and Karen Domitor from Pioneer SHS have just had a group of year 12s at Rabbit I, boating and snorkelling as part of a mangrove and seagrass study. They recently took year 11 students to Hook I to snorkel and to explore management issues.

Mark Hainke of Mirani SHS (see pic opposite) made the local free paper in the fishing section. He was proudly holding up a 10 kg plus spanish mackerel whilst proudly wearing the Mackay conference Shirt. Well done on both counts.

See you at Noosa, Cheers Bill

CALL FOR PAPERS - SHOW AND TELL SEGMENTS

If you want to present a paper or a show and tell session, the deadline is September 21st 2004.

Contact Jim or Mark for details of what we can offer. Conference fees include Accommodation, conference dinner, excursions, entry to all sessions, conference shirt, BBQ, lunches, morning and afternoon teas.

You can get your registration forms at www.marineteachers.org.au

Noosa 2004 CONFERENCE DATES:
MONDAY SEPTEMBER 27TH -
SATURDAY OCTOBER 2ND



MACKEREL: Mark Hainke caught this 12kg/145cm Spanish mackerel at the harbour using a lure and rod and reel. 1170504/4

Fish of the week					
SPECIES	SIZE	LOCATION	BAIT	GEAR	ANGLER
MACKEREL	12kg/145cm (spanish)	Harbour	lure	r/r	Mark Hainke
DECLARED REEF	5kg/67cm (coral trout)	Goldsmith	pilchard	r/r	Terry Hewat

Mark Hainke of Mirani SHS

REGISTRATION COSTS

These include conference registration, entry to all workshops, 3 nights accommodation, lunches, conference dinner, some excursions, and a conference shirt.

You can book in after 2pm on Wednesday and must be out by 10am Saturday.

To help teachers four types of accommodation registration forms are available from our web site:

www.marineteachers.org.au

NO ACCOMMODATION REQUIRED

- \$220 (Financial MTAQ or Mesa member) \$330 (non-financial) for conference

TRIPLE SHARE REGISTRATION: 2 BEDROOM UNIT - 3 NIGHTS

- \$440 (Financial MTAQ or Mesa member) \$550 (non-financial) for conference and 3 nights accommodation

TWIN SHARE REGISTRATION: 1 BEDROOM UNIT - 2 BEDS - 3 NIGHTS

- \$550 (Financial MTAQ or Mesa member) \$660 (non-financial) for conference and 3 nights accommodation (1 bedroom unit-twin share).

Single share registration: 1 bedroom unit - 1 bed - 3 nights

- \$660 (Financial MTAQ or Mesa member) \$770 (non-financial) for conference and 3 nights accommodation (1 bedroom unit-single).

FORMS ARE ON OUR WEB SITE:

www.marineteachers.org.au

The mesa conference forms are at:

www.mesa.edu.au

CONFERENCE VENUE

South Pacific Resort

179 Weyba Road NOOSAVILLE

Telephone: (07) 5473 1200

MAST DAY

Craig Reid at Sunshine Beach SHS organised a great MAST Day so I have emailed him <mailto:creid51@eq.edu.au> for a story and photos.

NOOSA CONFERENCE

Bar crossings are on the agenda with both the Noosa Heads Surf Club and with the Noosa Coastguard as well as diving the shark nets plus Carley and Megan are fired up ready to tell us all about the Grey Nurse shark status in Qld and NSW. The shirts look very swish so I'm told by Marty although he has to leave for France due to family commitments but he'll be back soon. Also book your rooms soon as accom is in short supply for the holidays.

Jim Kneale

CME SYLLABUS TRIAL AT SUNSHINE BEACH SHS

Here is a sample of the outcomes based using the MTAQ trial syllabus with a standard Rocky Shore Excursion.

MTAQ SYLLABUS OUTCOMES

- Ec 4.1 Students identify features of organisms that help them survive and reproduce
- Ec 5.1 Students examine the internal and external features of organisms and relate these features to survival and reproduction.
- Ec 6.1 Students evaluate the different strategies of organisms in terms of their relative efficiency in survival and reproduction
- Ec 4.2 Students make generalisations about the types of interaction which take place between the living and non-living parts of the environment. [Science LL 4.3]
- Ec 5.2 Students evaluate the consequences of interactions between the living and non-living parts of environments.. [Science LL 5.3]
- Ec 6.2 Students prepare scenarios to describe the potential long-term effects of changes in biodiversity caused by human action on ecosystems. [Science LL 6.3]

SUNSHINE BEACH'S STUDENT OUTCOMES FOR ECOLOGY 4.1, 5.1, 6.1

- L4. Students identify features of organisms that help them survive and reproduce
- L5. Students examine the internal and external features of organisms and relate these features to survival and reproduction
- L6. Students evaluate the different strategies of organisms in terms of their relative efficiency in survival and reproduction

SUNSHINE BEACH'S STUDENT OUTCOMES FOR ECOLOGY 4.2, 5.2, 6.2

- L4. Students make generalisations about the types of interaction which take place between the living and non-living parts of the environment.
- L5. Students evaluate the consequences of interactions between the living and non-living parts of environments
- L6. Students prepare scenarios to describe the potential long term effects of changes in biodiversity caused by human action on ecosystems.

EC .1 ANTICIPATED EVIDENCE — SUNSHINE COAST'S INTERPRETATION

- L4. Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals
- L5. Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals **with appendices provided**
- L6. Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals **with appendices provided and justifications for survival and reproduction**

EC .2 ANTICIPATED EVIDENCE — SUNSHINE COAST'S INTERPRETATION

- L4. Answers to the questions in sections: Rocky Shore Ecosystems, Rocky Shore Structure and Rocky Shore Zones
- L5. Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals **with appendices provided**
- L6. Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals **with appendices provided and justifications of human action on long term effects.**

ALL THE 2004 NOOSA
CONFERENCE INFORMATION IS AT
www.marineteachers.org.au

CONFERENCE DATES:
MONDAY SEPTEMBER 27TH -
SATURDAY OCTOBER 2ND



SUNSHINE BEACH STATE HIGH SCHOOL
COASTAL AND MARINE EDUCATION

STUDENT NAME:	TEACHER'S NAME:
UNIT: ROCKY SHORE ECOSYSTEM	
TASK: ROCKY SHORE FIELD TRIP	
DATE OF EXCURSION:	DATE DUE:

Strand/Outcome	POSSIBLE OUTCOMES		
	Level 4	Level 5	Level 6
EC.1	Students identify features of organisms that help them survive and reproduce	Students examine the internal and external features of organisms and relate these features to survival and reproduction	Students evaluate the different strategies of organisms in terms of their relative efficiency in survival and reproduction
EC.2	Students make generalisations about the types of interaction which take place between the living and non-living parts of the environment.	Students evaluate the consequences of interactions between the living and non-living parts of environments	Students prepare scenarios to describe the potential long term effects of changes in biodiversity caused by human action on ecosystems.

TASK:

- ☐ You will go on an excursion to the rocky shore and you must perform tests and observations to complete the fieldwork booklet.
- ☐ You will work in pairs in the field and individually work on your reports.
- ☐ You must conduct research to add to your booklet in the format of appendices thereby adding more information to your field data.

Strand/Outcome	ANTICIPATED EVIDENCE: FIELDWORK BOOKLET WITH APPENDICES		
	Level 4	Level 5	Level 6
EC.1	Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals	Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals with appendices provided	Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals with appendices provided and justifications for survival and reproduction
EC.2	Answers to the questions in sections: Rocky Shore Ecosystems, Rocky Shore Structure and Rocky Shore Zones	Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals with appendices provided	Answers to the questions in sections: Biotic Features of the Rocky Shore Plants and Animals with appendices provided and justifications of human action on long term effects.

REFERENCES:
Use your class notes, rocky shore creature classification booklets, marine text book.

STUDENTS TASK

- You will go on an excursion to the rocky shore and you must perform tests and observations to complete the fieldwork booklet.
- You will work in pairs in the field and individually work on your reports.
- You must conduct research to add to your booklet in the format of appendices thereby adding more information to your field data.



Rocky shore unit

WIDE BAY NEWS

NORTH WEST ISLAND UPDATE ON USAGE -

COMMENTS TO GREG OR THE MTAQ WEB FORUM PAGES

From: Greg Lynch

1. Increase school number from 50% to 75% of general public numbers - allowing larger school groups will reduce the necessity for some schools to book double camps, which reduces island availability.
2. Allow more than one school group at a time up to the limit. Under the present system, a small school group will exclude any other group and again reduce island availability.
3. Allow school to nominate preferred times (perhaps with 3 preferences) for island bookings, at the beginning of the fiscal year before ie. Nominate dates for 2005 in the February of 2004. Times would then be negotiated and allocated by QPWS and schools advised in March. (The allocation process could involve some type of ballot system perhaps). This would allow schools to properly plan their teaching for the following year. The general public bookings could then be taken to fit around the educational needs. (Any schools unable to nominate times in February would be able to apply for any remaining times throughout the year.)
4. No bookings to be taken personally at the Gladstone office as this discriminates against non-local schools.
5. Allow schools greater access to islands during school 'holiday' time and allow school bookings to include the first and last weekends of Queensland school holidays and certainly do not include NSW (or any other states holidays) in the times when islands are 'unavailable' for school use.
6. Increase the number of islands available to school groups again eg. Masthead Island.

FROM THE PRESIDENT

EXEMPTION FROM COASTAL PFD'S

From: Lloyd Jones

I have been in contact with Ken Gray at MSQ and he is prepared to give marine studies vessels an exemption from carrying Coastal PFD's (they are the look but do not touch ones that are maintained for your once a year DOT inspection and cost about \$90 each). The exemption relies on the students wearing an approved PFD type 1 with an attached whistle, if operating at night then it must carry a light.

This was a verbal agreement and a letter is on the way verifying the above.

PS with the new Boatsafe legislation DOT is giving schools (and MTAQ) an option to set up their own RSML provider centres (at a cost of \$338) or stay as an agent of QYA - my gut feeling is to stay with QYA - should we inform the MTAQ members to stay with QYA or make their own decision.

CROSSCULTURAL STUDY MARINE EMAIL ASSIGNMENTS

I have been communicating with a fellow marine teacher in Indianapolis, Indiana. We have found we have a number of things in common. Some of these common themes are that we both take high school students to tropical coral cays (North West Island - Caribbean Islands), we both use snorkel and scuba to study reef ecosystems, we both run projects/assignments with our students that look at reef organisms.

With this sort of chemistry we decided on the obvious - that we would set an assignment that would team students together to do a compare/contrast assignment use email as a link between students. Hence we have our students using a digital camera to take insitu photos of a marine organism, its habitat and food/ food chain - students also write a report with diagrams and maps showing location of research site, anatomy of organism, location on reef profile, the trip to the reef etc. - the teachers then allocate student pairs and they link up via email to continue their assignment with a compare and contrast assignment.

I thought I would go a step further and see if other schools in the USA (I will eventually approach other marine teacher organizations in other countries) would be keen to link up with schools in Queensland (I will also contact MESA) to undertake a similar study.

I have contacted the president of the equivalent of our organization in the USA. If you are interested in the above then I would like you to email me with the particular shared study you would like to undertake - I will then match you with a similar teacher/school in the USA.

If you are interested in this idea then contact me on <mailto:ljones@bne.catholic.edu.au>ljones@bne.catholic.edu.au or <mailto:sailteam@mail2me.com.au>sailteam@mail2me.com.au

Lloyd Jones, Southern Cross College, Scarborough. (07) 34803748

SIMONES OVERSEAS EMAIL

I have a temporary new email address whilst overseas

mailto:simonebaker2004@yahoo.com and for the first month I will have a postcard link at <http://www.mesa.edu.au>

I will keep you posted with this. Take care & keep smiling. Looking forward to seeing & hearing from you all real soon Thank you for all your love & support. Lotsa Love

Simone

INTERSTATE NEWS

2005 HAWAII CONFERENCE

The National Marine Educators Association (NMEA), the Marine Education Society of Australasia (MESA) and the Australian Marine Educators Alliance (AMEA) are working together to arrange a collaborative Pacific Basin international congress as a preliminary to NMEA's annual conference in Hawaii, July 2005.

INTERNATIONAL CONGRESS

The congress is a first of its kind for marine educators and will consist of four half-day panel sessions, setting the stage for cooperation between networks of people in the Pacific Basin.

Initial expressions of interest for participation in the international congress will be accepted from those organizations or individuals that are registered as AMEA members. This is a free membership obtained by sending your contact details and letter of request directly to AMEA.

THE NMEA CONFERENCE

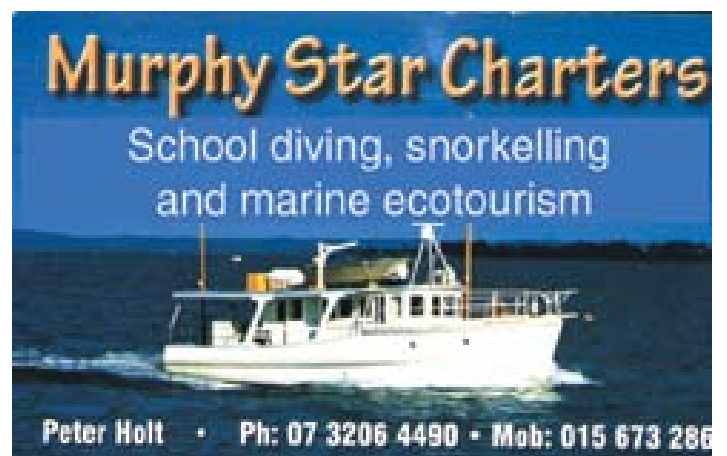
The NMEA conference that follows the international congress will be open to all marine educators. It will feature a One Ocean Panel presenting the latest news and developments arising from the congress.

There will be concurrent sessions including a strand of international themes. It will not only provide an opportunity to showcase Australia's rich culture but also marine "world firsts" like the National Oceans Policy, Marine Parks, Ocean Exploration and others.

FURTHER INFORMATION

Further information from the management team Jody Plecas plecam@optushome.com.au AMEA Secretariat Barbara Jensen bjensen@nor.com.au to join the AMEA alliance.

CHARTER BOAT .. WHAT CHARTER BOAT



Murphy Star Charters
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