



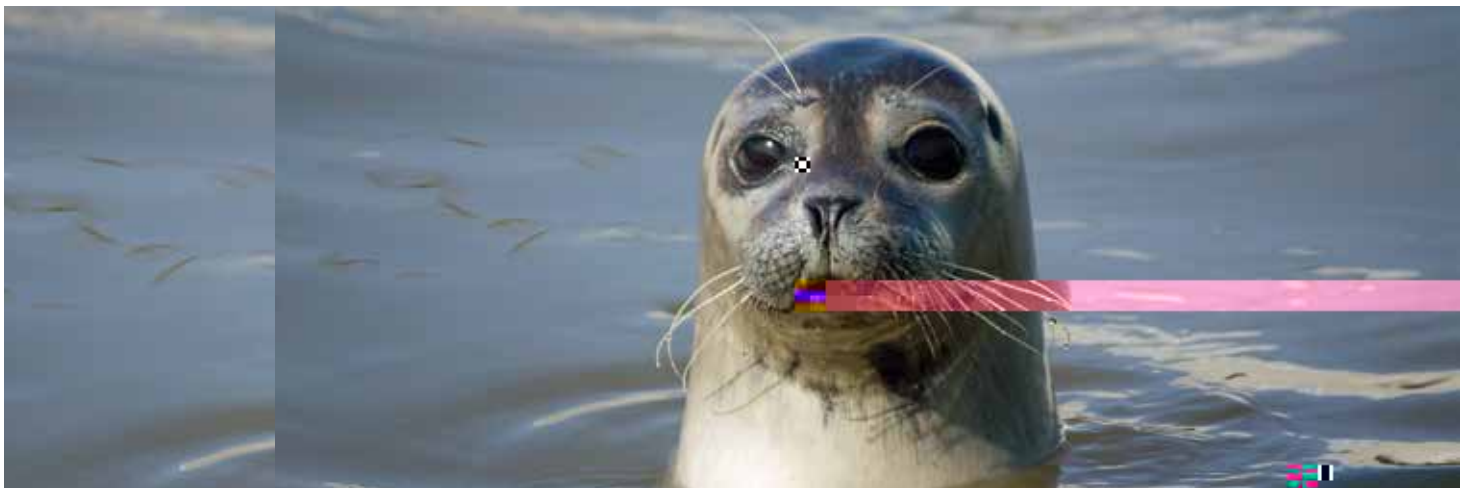
July 2014







**NIRVÁS**



**CONTACT**



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Back in 2011, staff in offices overlooking the old Victorian house —“Westbury Mount”— were offered ear defenders as a prelude to the demolition of the building and associated flat roof late sixties/early seventies teaching laboratories. Little were staff to know what lay ahead! The re-routing of the gas and water pipes was the first indication that there would be “a little noise”. The old and very hard Precambrian green Schist could not be excavated easily without a lot of effort and to make matters worse a large drill could not be used to excavate a trench alongside the NERC building for fear of disturbing the foundations of the existing building. This meant a small drill was used and the whole process took more than 6

Like a phoenix from the ashes the new Ocean Sciences building - **Marine Centre Wales** – began to rapidly rise once the foundations had been poured. A large

Despite the quality of the Victorian workmanship the Westbury Mount crumbled like a pack of cards under pressure from the bucket of a large JCB. All the ma

of wiring and plastic pipes. Everything was taken off site and a large gaping hole

aquarium where many an alumnus had worked late into the night on an experiment that benefited from the cool stable air temperatures that existed.

Many months later, after a small pond had

cerns were expressed about red crested newts taking up residence, the drilling re

drill was used to break up the underlying bedrock. Regular as clockwork at 08.00 the noise would begin and was unremitting, until coffee (a brief respite), lunch (peace at last), afternoon tea (another brief respite) and would stop at 17.30. All this lasted for six months! Like the staff,

concerned that there would never be peace in SOS and the village again. Well not quite yet.

# Vim and Vigour

Since 2002, the SOS, through generous funding from the Drapers, has been running a two-week field course to the Virginia Institute of Marine Sciences, (VIMS), at the Eastern Shore Laboratory at Wachapreague on the Atlantic coast

successfully running the field course, a small group of ten students participated at the start, we have expanded the course and in September 2013, 28 students and staff made the trip.

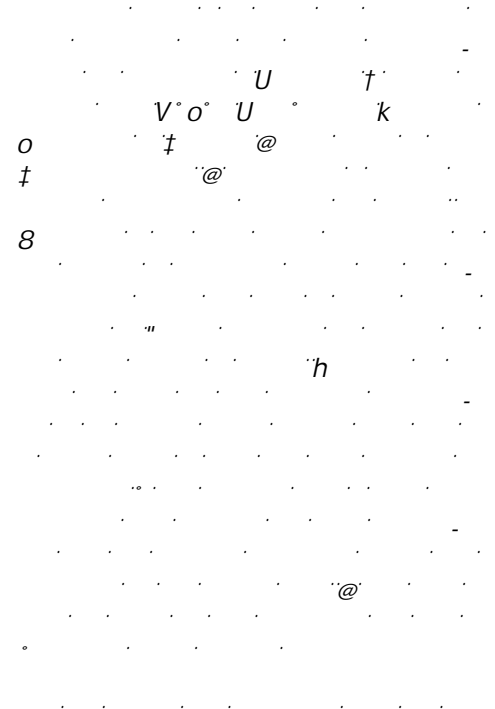
The work was tough at times – as evidenced in the photo below, when Goncalo Lourenco, Melissa Dickenson, and Anne Taylor became stuck in the mud during a survey of Wachapreague salt marsh.



An essential element of the field course is the collection of material by the students from the field and identified and studied back in the laboratory. But it was not all vim and vigour. After a wash and brush-up, they were ready to hit the town, as can be seen in the group photo below.



The group also had a fantastic experience on the 7 September: "



[http://www.youtube.com/watch?v=Es\\_uMT1mZfM](http://www.youtube.com/watch?v=Es_uMT1mZfM)

Dr Paul Butler, research lecturer in SOS has been given a prestigious award.

, has awarded Paul the award of the 2014 Lyell Fund. This is awarded to researchers

search published within ten years after graduation. In work carried out during his PhD and subse

## Beam me up, Scotty



During a visit to the College of William and Mary at Williamsburg, USA, Professor John Hughes, Vice-Chancellor, visited VIMS at Wachapreague to learn at first-hand what SOS Marine Biology students experience during their annual field course. The visit and field trip were combined with a meeting and a meal with a small group of Bangor University's alumni, who live on the East coast of the USA, including alumnus Alan Burch who studied for a BSc in Marine Biology and Oceanography and an MSc in Shell Fisheries and Aquaculture at SOS.

All aboard a Carolina skiff! Our intrepid hydronauts are: Centre – Professor John Hughes (Vice-Chancellor), flanked left by Professor Colin Jago (Dean of College of Natural Sciences) and right by Professor Chris Richardson (Head of School).

## Crystal Balls

**The SOS held an 'Away Day' on Friday 11th April to discuss the research strategy for the next 10 or so years. The day was spent in Neuadd Reichel, now the University's conference centre and formerly the**

**that SOS should keep the Prince Madog!**



Final year BSc Marine Biology undergraduate student, Leo Johnson, receiving his Bangor Employability Award (BEA) from Professor Carol Tully, Pro-Vice Chancellor (students) at a recent awards ceremony.

The Bangor Employability Award was developed in 2010, and offers first-class honours students

the opportunity to

be recognised for their



## Size Matters!

The programme about seashells from Anglesey was aired on Tuesday 13th May.





2014

Summer Bursaries

Sciences offers a series of summer bursaries to 2nd year undergraduates to enable committed and able students to work alongside and assist members of staff undertaking research or outreach activities. This can be for a period of 5-8 weeks.

students. Below are the names of all the successful candidates for 2014.

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## LR Senergy Survey & GeoEngineering

Marine Geoscience Specialists:





One of my fondest (and earliest recollections) of working in the West Australian (WA) Oil and Gas Industry was gazing







Sharks play a vital role in keeping our oceans healthy. As apex predators, they keep other marine species in a healthy balance by controlling and regulating the populations of their prey species. However, shark populations face major threats worldwide, and many shark species are now facing extinction as a result of overfishing.

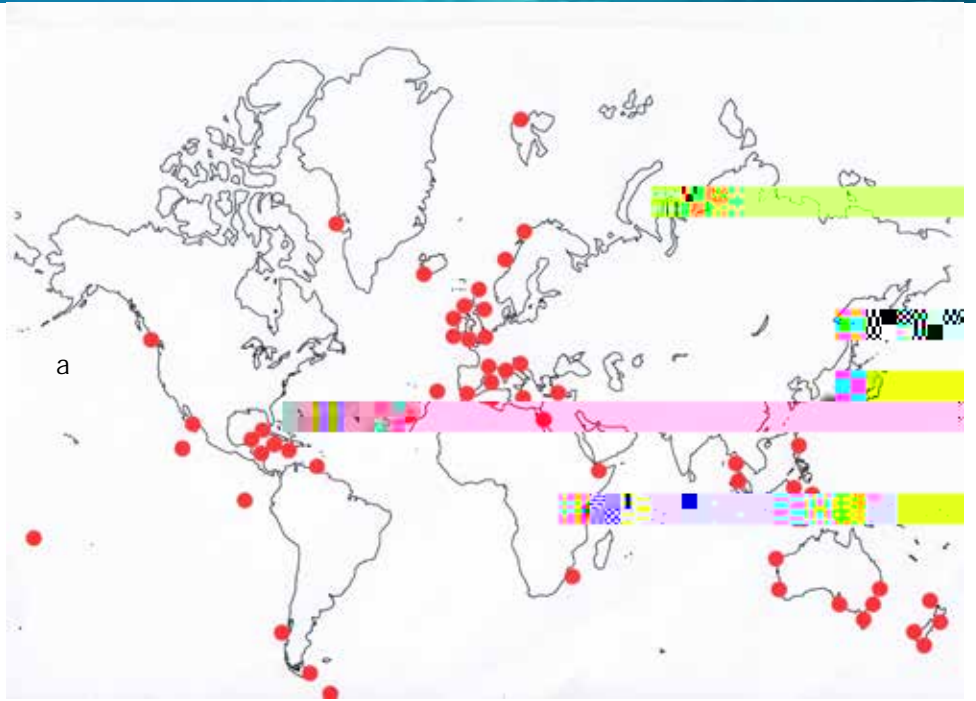
I am extremely passionate about marine conservation and, since graduating from Menai Bridge in 2012 with a Masters in Marine Biology, I've been desperate to gain some practical experience in marine conservation. Therefore, in April 2014, I decided to leave my job at a public aquarium and join a shark conservation project out in Fiji. This project only started in January 2014, and is literally a brand new shark conservation initiative.

I arrived in Fiji at the end of April and spent the month of May working on the project. The overall aim of the Fiji shark conservation project is to gather as much information as possible on the shark species found in Fiji, so that eventually we can set up and expand

several monitoring stations (at present, there are only two monitoring stations in Fiji).

As a result, we have been able to collect a large amount of data.

It is instilled in me an enduring fascination  
with diving under water and an adventurous spirit,  
a modicum of luck and good fortune  
and 45 years later a globe scattered









In the early 1970s, the 'Diving Unit' at Menai Bridge established techniques for marine ecological surveys using diving. They were innovative at the time and are still used today. Research using those techniques has greatly enhanced our knowledge of sub-littoral ecology.

The first studies that I was involved in from Menai Bridge were in support of Professor Jack Kitching at Lough Hyne; providing invaluable experience in the importance of systematic study, accuracy and good record keeping in research.

NERC Studentship was under the renowned Denis Crisp. I convinced him that my research should be in my evening  
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It was all about frogs when I was a kid;  
frogs and newts to be precise. Af er leav



Having been a confirmed addict of the sea





The Mat erhorn is probably the most iconic mountain on Earth. Four dramatically steep faces flanked by severe arêtes give the Mat erhorn its unmistakable shape. Standing at 4,478m it may not be the highest mountain in the Alps but it has captured the imagination of climbers since the late 19th Century.

In early September 2013, David Reynolds together with brother, Steven, and guides, attempted to complete possibly the first recorded partially sighted ascent of the famous peak via the Hornli Ridge. The expedition was completed in order to support the Royal National Institute for the Blind and raise awareness of Macular Dystrophy and sight loss which affects approximately two million people in the

In 2009 David was diagnosed with Stargardt's Macular Dystrophy (SMD), a genetic degenerative eye condition that affects the central part of the retina leading to

common cause of sight loss in elderly people. However, it is quite rare amongst young people. Coping with any kind of sight

can be very difficult to deal with. Initially you think that your eyesight is critical for everything that you do in life and that by losing it you will never be able to complete your dreams and ambitions. As a result people who suffer with sight loss

are at a far greater risk of suffering with depression. After being forced to give up driving and cycling and as the impacts of the sight loss were starting to become

terhorn, setting a standpoint that sight loss was not going to limit his ambitions.

The route to the Mat erhorn consists of 1200m of vertical ascent along a perilously

acclimatized and successfully completed an ascent of the Dent du Geant (4,013m). Unfortunately, however, on the ascent to the Mat erhorn summit at around 4,100m the effects of the altitude forced David to abandon the summit attempt.

The most challenging component of the climb still had to be completed: the descent. The descent of the Mat erhorn is notorious, with the warming rocks melting the ice and causing fatal rock falls. Coupled with the lack of detail in David's vision causes the descent of climbs to be the most challenging; identifying solid places to place the feet being incredibly

success for the team with Steven managing to complete the climb.

The expedition raised £1,356 for the Royal National Institute for the Blind as well as gaining national news coverage through both radio and newspapers. This kind of publicity is priceless for raising awareness of sight loss. Hopefully other young people going through sight loss will be

and be inspired to not give up on their dreams. David still aims to summit the Mat erhorn and is currently planning the next expedition, set to take place in late summer 2016.

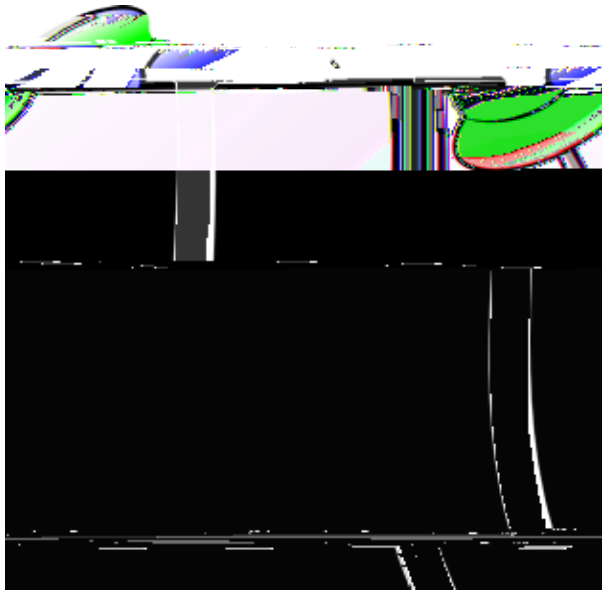
**David Reynolds**  
**ReynoldsD3@cardif.ac.uk**  
*Having completed a BSc and PhD at SOS, David is now a lecturer at the University of Cardiff.*



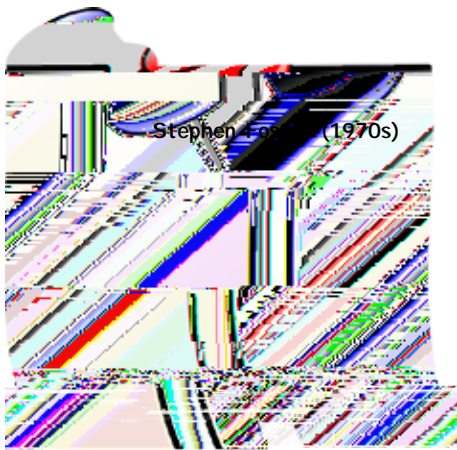


After almost 20 years away from Bangor, I'm returning for a brief visit. I am an alumna from 1997 (Marine Biology/Zoology) but I moved to Australia soon after graduation and haven't been back since. I am now managing several marine conservation projects in South Australia and will be happy to share my experiences and knowledge with anyone who is around on Monday 11 August when I will be giving a presentation about 'Why is southern Australian marine life so special?'. You will have to take my word for it for now



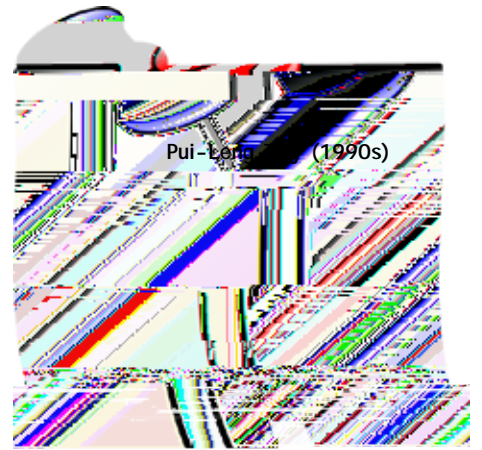


in the next issue of 'The Bridge' in the hope that

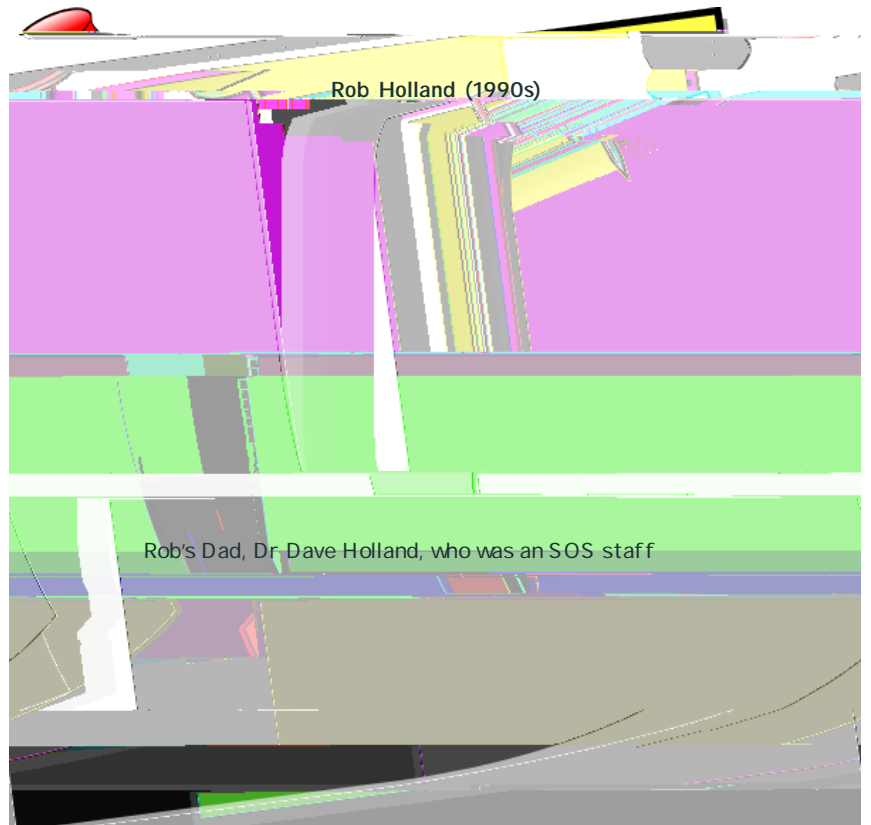
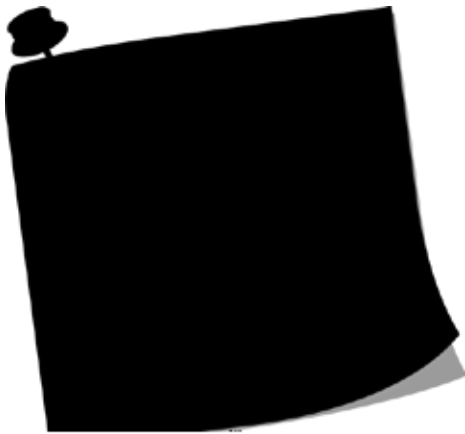


Stephen Lee (1970s)

James Glennie (1980s)

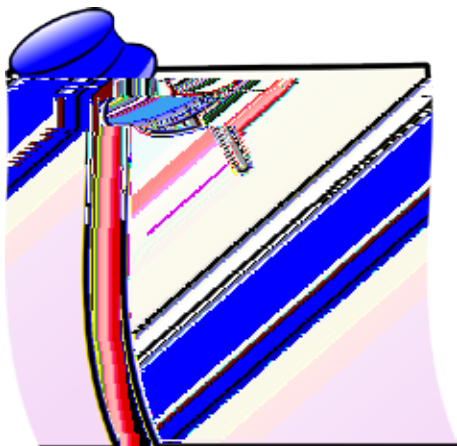


Pui-Ling (1990s)



Rob Holland (1990s)

Rob's Dad, Dr Dave Holland, who was an SOS staff



# In Memoriam

## Joan Lewis (1926-2014)

Joan Lewis, who died in April this year, played an important role in the lives of students and staff in the 'Marine Science Laboratories' throughout the 1980s and 1990s. Joan held the unusual position of

ography and Marine Biology Departments before joining the administrative staff of

disciplines in 1988. With her physical oceanography 'hat' on, she acted as Secretary

was a reassuring and welcoming presence to new students arriving to take up oceanography courses at that time.

Science Laboratories when she was 'rescued' from Bardsey Island by the *h* *U*, ostensibly so that she could return to work! Her husband, Peter Hope Jones, whom she married in 1985, regularly visited Bardsey to study the bird populations and Joan sometimes accompanied him. On this occasion, as often happened, the weather turned foul and the small ferry

linking the island to the mainland was unable to operate. Joan knew that her boss, *U*

time and working in the area. She was able to get word to the ship by radio and

immediately ordered a change of course to the island. The story appealed to the press and appeared in the *h* under a heading along the lines of 'Professor hc





