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The weekly ocean technology e'Newsletter everyone's talking about

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## **GENERAL OCEAN NEWS**

### **1.a) VERSHA CARTER WINS BUSINESS PERSON OF THE YEAR AWARD AT OCEANOLOGY INTERNATIONAL**

Former OI Director Versha Carter who now runs Intelligent Exhibitions Ltd was awarded Business Person of the Year by the Association of Marine Scientific Industries for the development of the Ocean Business event [www.oceanbusiness.com](http://www.oceanbusiness.com) (which incorporates the popular Offshore Survey conference [www.offshoresurvey.co.uk](http://www.offshoresurvey.co.uk)).

The first outing for Ocean Business was in March 2007 at the National Oceanography Centre in Southampton, UK which attracted more than 1500 colleagues from 36 countries. The show included the winning formula of combining the traditional static exhibition stand with the opportunity for delegates to attend over 150+ hours of training and demonstration workshops providing first hand knowledge of the equipment and systems on the market.

Versha Carter commented “there is no better accolade for an exhibition organiser than to be recognised by the industry that you serve – we are delighted that Ocean Business is making a difference”.

Plans are well underway for Ocean Business 2009 which will take place at the National Oceanography Centre, Southampton from 31st March – 2nd April 2009 - 77% of the exhibit space is already sold and for the first time we look forward to welcoming national pavilions from France, Germany and Holland. For further information please contact [info@intelligentexhibitions.com](mailto:info@intelligentexhibitions.com)

### **1.b) IHC MERWEDE ACQUIRES THE ENGINEERING BUSINESS**

IHC Merwede acquired specialist design, engineering and construction company The Engineering Business (EB) on 7 March 2008. The company is based in Riding Mill, Northumberland, UK. The deal is clear recognition of EB's innovative engineering skills, and will bring significant benefits for IHC Merwede, EB and the north east of England. EB will now trade as IHC The Engineering Business.

EB was founded in April 1997 by a four-man team of engineers led by managing director, Dr Tony Trapp. Today EB is a team of 150 people (predominantly graduate professional engineers) and has a current order book exceeding £60 million to be delivered to the offshore industry over the course of the next three years. EB specialises in designing, building and supplying, elegant engineering solutions for the offshore oil and gas, submarine telecom, defence and offshore renewables industries.

IHC Merwede is world market leader in the construction of specialist dredging equipment and complex custom-built offshore vessels. The clients of IHC Merwede include major dredging companies, oil and gas exploration groups, offshore contractors and government authorities. The company has a staff of approximately 2200 at locations in Holland, China, Houston, India, the Middle East, Russia and Singapore and like EB focuses on providing innovative, high quality products to its customers. Further information on EB is available at [www.engb.com](http://www.engb.com)

### **1.c) NEW RENTAL PARTNERSHIP FOR THE SUBSEA INDUSTRY**

Ashtead Technology Rentals Ltd recently announced the signing of a global rental agreement with Imagenex Technology Corporation. Ashtead Technology has been awarded 'Approved Rental Resource' status for the Imagenex 'Delta-T' technology. 'Redefining Image Clarity', the Imagenex Model 837 "Delta-T" is a multiple receiver sonar system designed to provide video-like imaging with all the advantages of underwater sonar.

Commenting on the Approved Rental Resource status, Colin Erskine, Director of Sales at Ashtead Technology said “With this agreement in place, Ashtead is in a position to ensure that we can deliver the best product, tested and ready for use, our engineers are fully trained on the Imagenex equipment and are

able to provide help and assistance both before and during the rental period.” He added further “We have been impressed by the advanced features of the Imagenex and this has been further reflected in the high customer demand that we have seen for the sonar in the short time we have had it’

The 837 “Delta-T” uses innovative digital signal processing is used to optimize data usage from all channels to achieve the best possible resolution at every point in the field of view. Recent advances in computing power have made it possible to transfer and process this data at resolutions equal to computer monitor resolution, and with image frame rates of better than 20 frames per second, which is impressive. The “Delta-T” system has been designed from the ground up with the most advanced, high accuracy, low power electronic components available to provide breakthroughs in system power consumption, package size, and price. This advanced electronics package has built in flexibility and programmability to accommodate a wide range of transducer arrays such as Single, Dual and Quad geometry on various underwater vehicle platforms.

Don McKay of Hydro Products Ltd, UK agent for Imagenex, added “The unique patented electronic multi-beam design produces exceptional data quality with reliability, high performance and with low cost operations to the user”. There are multiple applications for this impressive sonar, including ROV, AUV & UUV, Offshore Oil and Gas, Diving Support, Surveying, Inspection and Research, Salvage and Harbour surveillance and protection. For more information, please visit [www.ashtead-technology.com](http://www.ashtead-technology.com) or contact [angela.sakapaji@ashtead-technology.com](mailto:angela.sakapaji@ashtead-technology.com)

#### **1.d) GLOBAL GEOPHYSICAL SERVICES INVESTS IN OBC ACOUSTIC POSITIONING SYSTEM FROM SONARDYNE**

Global Geophysical Services Inc. of Houston has invested in an Ocean Bottom Cable (OBC) acoustic positioning system from Sonardyne International Ltd. The system will be used to support the company’s expanding shallow water seismic survey activities and will employ a large network of low cost acoustic transponders to accurately position hydrophone ground stations in water depths up to 500 metres. The order also includes Radio-Frequency Identification (RFID) tags for each of the transponders so they can be accurately logged as the hydrophone cables are deployed from the ship. Deliveries of the equipment have already been completed in readiness for Global Geophysical beginning a major survey offshore India.

Global Geophysical will use its new acoustic positioning system in conjunction with Sonardyne’s ‘HydroPos’ seismic control software. This monitors time tags and logs raw data from the vessel’s acoustic transceiver and its surface navigation systems such as GPS and gyro. This will make it possible for Global Geophysical’s surveyors to obtain real-time positions of the transponders quickly and accurately, thus enabling very efficient surveys. Raw acoustic data can also be passed to an external navigation system so that absolute positions for the hydrophones can be obtained. For more information, please visit [www.sonardyne.com](http://www.sonardyne.com)

#### **1.e) 106<sup>TH</sup> PRESIDENT OF IMarEST APPOINTED**

The Institute of Marine Engineering, Science and Technology (IMarEST) appointed Professor Yoo Sang Choo as its 106<sup>th</sup> President at its AGM (13 March). The first IMarEST member from the Far East to take on this prestigious role, he takes over the reins of office from Dr David Wynford (‘Wyn’) Williams CB, the National Hydrographer 2001-2006. Michael Everard has been appointed President-Elect.

Paying tribute to his predecessor, Professor Yoo Sang Choo said: “I am deeply honoured to succeed Dr Wyn Williams, the first scientist to be our President who has served as an excellent ambassador for the IMarEST. His significant contributions in strengthening the bond between the engineers, scientists and technologists in the Institute are clearly visible.”

Looking forward to his year in office Prof Choo professes that: “It is a great privilege for me to be the first President of the IMarEST to come from the Far East. As a Singaporean academic, who was educated in both East and West, and served in many international organisations and committees, I will endeavour to do my best to further the growth and reach of this great Institute.” For more information, please visit [www.imarest.org](http://www.imarest.org)

### **1.f) CEFAS ORDERS PHYTOFLASH FLUOROMETERS FOLLOWING TRIALS**

RS Aqua Ltd announces the award of a contract from Lowestoft, UK based CEFAS Fisheries Laboratory for the supply of 2 x PhytoFlash active fluorometers. PhytoFlash is manufactured by Turner Designs, California, USA for whom RS Aqua act as UK representatives. The contract award follows trials aboard a CEFAS coastal Smart Buoy and aboard one of the research vessels.

PhytoFlash is the first solid state in-situ variable fluorescence system that will detect the quantum efficiency (health) of phytoplankton in both oligotrophic and mesotrophic environments. Unlike other active fluorometers, researchers can determine real-time in situ physiological parameters of phytoplankton in low chlorophyll systems at a fraction of the cost. PhytoFlash's increased sensitivity allows users to obtain physiological parameters in coastal, open ocean and freshwater environments. Further information can be obtained from product expert David Goldsmith at [d.goldsmith@rsaqua.co.uk](mailto:d.goldsmith@rsaqua.co.uk)

### **1.g) ROYAL NAVY CONTRACT FOR OSIL'S SERVICE CENTRE**

Havant-based OSIL (Ocean Scientific International Ltd.) has been awarded a contract from the Royal Navy for the service, repair and calibration of their oceanographic equipment including CTDs, Salinometers, sound velocity probes, thermometers and current meters.

OSIL operates an ISO 9001 accredited service and calibration centre for a wide range of marine scientific instruments that is currently used by academic organisations, government institutes, military laboratories and instrument manufacturers. Under this new contract OSIL expects several hundred instruments from a range of manufacturers to pass through their service centre.

OSIL will also provide formal in-field training for Royal Navy personnel in the operation and maintenance of the instruments. OSIL's Managing Director, Dr Richard Williams explains, "The support of this instrumentation is an essential component in the successful operation of the Royal Naval Hydrographic Service. We are confident that OSIL's expertise in this field will prove to be highly beneficial."

For further information please visit [www.osil.co.uk](http://www.osil.co.uk)

### **1.h) NOAA CALLS ON AXYS FOR THE EXPANSION OF THE CHESAPEAKE BAY INTERPRETIVE BUOY SYSTEM**

AXYS Technologies Inc (AXYS) has just delivered another 'Smart' buoy to NOAA for deployment in the Chesapeake Bay. This expands NOAA's Chesapeake Bay Interpretive Buoy System (CBIBS) network to 4 operational buoys. These Smart buoys form the core components of CBIBS as well as support the Captain John Smith Chesapeake National Historic Trail. The first deployment of 3 buoys occurred in April 2007. The new buoy is expected to be deployed this spring.

CBIBS is operated by the NOAA Chesapeake Bay Office in Annapolis, MD. The new AXYS WatchKeeper buoy provides the buoy platform. A TRIAXYS Directional Wave sensor, a Wetlabs/SeaBird water quality sensor, a Nortek Current Profiler and other instrumentation including wind, air temperature and pressure sensors will eventually be integrated into the platform. A Watchman500™ payload provides the control system for the buoy. This dynamic yet flexible payload provides system operators the ability to manage and control a specific sensor or entire buoy system from their office. Data from the buoys is collected by the Watchman500™ and sent to shore using Verizon's CDMA cellular network. NOAA has created a customized website for data display. K-12 students, teachers, mariners, oceanographers and recreational enthusiasts such as kayakers and boaters have access to the data via custom wireless products as well as the internet.

AXYS has an established track record of delivering customized and reliable buoy systems around the world. AXYS' Manager of Marine Systems, Don Bryan said: "We're proud that NOAA has called on us again to help expand the CBIBS network. This is a model network that is providing great value to program stakeholders and the local community. We'll continue to work closely with NOAA to ensure their program

requirements are met or exceeded." For further information contact AXYS at: [info@axystechnologies.com](mailto:info@axystechnologies.com) or visit [www.axystechnologies.com](http://www.axystechnologies.com)

### **1.i) CANADIAN HYDROGRAPHIC SERVICE CHOOSES ORION FROM TELEDYNE TSS**

The Canadian Hydrographic Service (CHS) has chosen an Orion Inertial Navigation System from Teledyne TSS and supplied by ROMOR Atlantic Ltd, to use when conducting surveys of the St Lawrence River shipping channel. The INS is to be used aboard the 35 m Canadian Coast Guard catamaran *F C G Smith* which starts work immediately after ice break-up in April and remains in continuous use until December.

The Orion will be used to support a Reson-Navitronics multibeam sonar with 33 transducers which is the principal tool used by the CHS for surveying the St Lawrence Channel. Because under keel depth can be limited for many of the cargo vessels using the channel, accurate bathymetry is essential. The CHS teams have consequently developed a unique expertise in very precise surveys and are working on High-Definition bathymetry for the next generation of electronic charts. This includes the use of RTK-GPS for measuring any reductions in water level along the 300km channel.

The St Lawrence River is open all year to the port of Montreal and surveys are typically conducted in the spring to monitor the channel for any obstructions and silting that may have developed during the winter. Hydrography in the St Lawrence is affected by strong tides and currents and water levels changes in the non-tidal region and this makes it essential for the CHS to verify that the channel depths correspond with the published charts. There is also a continuous requirement to survey areas covered by charts that are due for updating and also before and after any maintenance dredging operations.

The Orion INS was chosen by the CHS after an extensive evaluation programme. The Orion has been supplied to the CHS through ROMOR Atlantic Ltd which is the Teledyne TSS representative in Canada. For more information, please visit [www.tssinternational.com](http://www.tssinternational.com)

### **1.j) SONARDYNE ACOUSTIC RELEASE TRANSPONDERS AID ANTARCTIC RESEARCH DATA RECOVERY**

British Antarctic Survey (BAS) has chosen acoustic release transponders from Sonardyne International Ltd to support the second year of its studies of the calls of whales in the waters around South Georgia and the Scotia Sea. The organisation has bought 10 Lightweight Release Transponders (LRT) that are being used for the seabed deployment of specialised recording devices in waters up to 500 metres deep and in temperatures between 0.2 and 5 degrees Celsius. Using the Sonardyne LRTs, BAS has now successfully completed the second year of its research which entails listening for whale calls in frequencies below 500 Hz so that their movement, populations and feeding habits can be studied.

The ongoing study programme uses monitoring periods that range from three to 12 months when typically six Sonardyne transponders are deployed with the instrument packages. The data is collected using MARUs (Marine Acoustic Recording Units) developed by Cornell University in the United States. The unique recording devices were designed to collect acoustic data in a way that consumes the least power. This is achieved by storing five minutes of recorded data on a buffer then transferring it to a hard drive which is only activated at intervals to conserve power. The MARUs were in use on a year-round rotation when they also picked-up other acoustic events including earthquakes, volcanic eruptions and distant seismic survey operations.

At the end of the study period, the transponders, the instrument packages and the valuable data they contain are recovered by transmitting an acoustic command that activates the LRT's unique screw-off release mechanism. This ensures a positive action unaffected by marine growth and enables the unit to return to the surface. The data are then analysed at the British Antarctic Survey headquarters in Cambridge where the acoustic files are converted into sonograms.

The Sonardyne LRT is unique among low-cost releases in that it has the ability to both receive and transmit acoustic signals. Constructed from high strength plastics that offer excellent corrosion resistance, the transponder has a long operational life. Field replaceable alkaline or lithium battery packs give the LRT a

listening life of 18 months or 4½ years respectively. This feature is particularly important to BAS because bad weather or the early return of sea ice can result in a MARU being trapped on the sea bed for much longer than anticipated. Should this happen, it is important that the LRT and its valuable data package can still be recovered when the ice retreats in the spring. For more information, please visit [www.sonardyne.com](http://www.sonardyne.com)

## **2. PRODUCT LAUNCHES**

### **2.a) MARPORT LAUNCH THREE NEW PRODUCTS AT OI08**

At Oceanology International last week, Marport announced the launch of 3 new pieces of equipment. The first being AquaPix™ a 3D acoustic imaging sonar. The new system integrates Marport's Software Defined Sonar (SDS) transceiver with patented sonar technology recently licensed to Marport by Simon Fraser University. The second new product to be launched was CHIRP ES echosounder which is based upon Marport's Software Defined Sonar (SDS) technology platform and is designed for commercial, hydrographic and military applications. Marport's third and final launch was DataSquid™, a subsea data acquisition system designed for offshore energy and ocean science applications. For more information, please visit [www.marport.com](http://www.marport.com)

### **2.b) AAE'S SMART NEW BEACON SERIES**

Applied Acoustic Engineering launched its latest Beacons at Oceanology International. The new range, the 1000 Series, is a more electronically sophisticated product with improved reliability. Clever engineering design has also made the new product simpler to use. The Channel Selector switches have gone and in their place is digital control from an external Smart Switch.

The palm sized Smart Switch, with direct connection to the beacon, is packed full of useful electronic circuitry enabling the device to perform a multitude of important tasks in addition to transponder configuration. These include battery diagnostics, trickle charge/fast charge monitoring & control, and depth telemetry selection. Easy to use, the small device provides a smooth and efficient set-up and provides valuable operational information on the clear LCD screen. The new 1000 Series can also be configured direct from a PC.

“Using our years of experience and useful feedback from our customers we knew exactly what was required when we started designing this product, “ said Neil MacDonald AAE's Technical Manager, “so we've perfected the set-up function and provided the operators with really useful data - just what they need in the field. Even the firmware can be updated remotely via the internet. This is an extension to our product range, a means by which we can cater for all tastes, as the 900 Series of beacons will retain their strong role in our product portfolio.”

The addition of a standard 5-pin bulkhead connector, offering pin-for-pin compatibility, improves the versatility and worldwide appeal of the product. “This is a important new product for the company, “said Gavin Willoughby, Sales Manager. “The quality of our products and our engineering excellence is recognised across the globe.” For more information, please visit [www.appliedacoustics.com](http://www.appliedacoustics.com)

### **2.c) LAUNCH OF WIRELESS UNDERWATER BROADBAND DATA LINK**

A Consortium led by WFS Ltd has launched the world's first wireless RF underwater Broadband Data Link at Oceanology International 2008 in London last week.

The Type S5510 Data Link uses the latest electromagnetic digital technology to enable wireless high data rate transmission through water avoiding the need to wet-mate. Applications include high speed data transfer from sensors, such as seismic data loggers, pipeline monitoring systems and subsea control systems to unmanned underwater vehicles (UUVs, ROVs and AUVs). UUVs can communicate wirelessly at broadband rates with subsea devices at up to 10m. The time to transfer data is reduced significantly leading to operating cost savings. Performance is unaffected by acoustic noise, turbidity mud or ice and data can cross through the water/air interface. It can also be used for through ground/rock applications.

The Data Link is one of 5 products developed for the offshore Oil and Gas industry under a £1.1m, two-year research project to develop the wireless equipment. This research will be invaluable for oceanographic and environmental monitoring and through improved communications will increase safety for oil and gas industry workers.

The key aim of this project, which is supported by an investment from the Technology Strategy Board, is to develop a number of leading edge products that incorporate underwater radio technology. The Data Link is the second product launched in this programme, the first being the hybrid Radio Acoustic Modem RAM-300 in September 2007. For more information please contact any of the following [info@wirelessfibre.co.uk](mailto:info@wirelessfibre.co.uk), [lisa-mann@tritech.co.uk](mailto:lisa-mann@tritech.co.uk) or [dmccann2@slb.com](mailto:dmccann2@slb.com)

### **3. EVENTS, TRAINING AND DEMONSTRATION NEWS**

#### **3.a) OCEANOLOGY INTERNATIONAL OPENS ITS DOORS**

The long running OI International took place last week in London's Docklands with well over 6000 visitors in attendance. The first days of Oi08 were well attended - the Tuesday brought 3,738 attendees on the show floor, Wednesday closed with a visitor count of 4,323. It was also very positive to note that a total of 56% of the visitors were from outside the United Kingdom. Visitors attended the show from more than 60 countries including China, Vietnam, Malaysia, Japan, Australia, Angola, Nigeria, Brazil, Venezuela, USA, Canada, Egypt, United Arab Emirates, Portugal, India, Norway, Russia, UK, France, Italy, Netherlands, Germany, Spain and Sweden. For further information go to <http://www.oceanologyinternational.com/>

#### **3.b) FUGRO ChartViewAIS DEMONSTRATIONS AT OI08**

Oceanology International (Oi08) saw regular presentations on stand 510 of the latest version of ChartViewAIS from Fugro Data Solutions.

"As a real-time Automatic Identification System (AIS) display and analysis application, ChartViewAIS plays a vital Environmental role," says Kerry Blinston, Head of Technology Fugro Data Solutions.

"This is the first time the system has been demonstrated at OI, and the first time that one of the conference themes has been 'Environmental and Civil Security'. ChartViewAIS is designed to help ports, coastal authorities and operators of offshore installations with vessel monitoring requirements to ensure that vessels are being operated safely and securely. Our demonstrations throughout the period of the exhibition will clearly show the system's range of capabilities."

The PC-based application provides a live graphical display of AIS targets on to a spatial chart background, by interfacing with an AIS receiving station. The raw AIS message is decoded in real-time and position data geo-referenced and displayed live over a chosen chart background. Using the 'Vessel Focus' mode, ChartViewAIS can even be set to focus on a single vessel allowing that vessel to always be at the centre of the screen. Post-show, information on ChartViewAIS is available from [ais@fugro-data.com](mailto:ais@fugro-data.com)

#### **3.c) 42ND MARINE MEASUREMENT FORUM – DELEGATE FEES BEING DONATED TO CHARITY!**

The 42nd Marine Measurement Forum will be hosted by Sonardyne International Ltd on Tuesday 15th April 2008. The venue will be the De Vere Warbrook House and Grange in Eversley, Hook, Hampshire. The Marine Measurement Forum (MMF) is a non-profit making, one-day event that provides opportunities for the informal exchange of ideas, knowledge, techniques, activities, projects and developments across an extensive range of marine scientific measurement activities.

Attendees typically include scientists, surveyors, engineers and business people from a variety of organisations including research centres, academia, manufacturers, survey companies, consultants, monitoring authorities, dredging companies, port authorities and oil companies. Please visit: [www.mmf-uk.org](http://www.mmf-uk.org) for further general information.

A finalised programme will be published in March and it is expected that there will be around twelve 20 minute presentations with registration commencing at 08.30 hrs and the event running through until around 16.30

hrs. Attendance will be strictly limited to 75 on a first come first served basis. For reserve your place contact [marketing@sonardyne.com](mailto:marketing@sonardyne.com) for a reservation form.

On this particular occasion, Sonardyne is donating the £35 fee for attending directly to the Epilepsy Bereaved charity in memory of Roger and Sandie Scrivens' daughter Becky who was a victim of Sudden Unexpected Death in Epilepsy (SUDEP) in May 2004.

For more information, please follow this link:

<http://www.rsaqua.co.uk/becky-scrivens-epilepsy-bereaved.asp>

### **3.d) KIMBERLY ESLINGER, MARINE ARCHAEOLOGIST TO SPEAK AT THSOA MEETING**

Kimberly Eslinger, Marine Archaeologist at C & C Technologies, Inc., will discuss the work of archaeologists in the GoM since 1973, which includes a brief history, the transition to digital data, and the regulation requirements. The presentation will detail interesting projects that focus on ROV and AUV work and address the value of archaeologists in the oil and gas business. Also included is an exciting 10-minute video from an upcoming documentary that focuses on the deepest archaeological excavation in the Gulf of Mexico, the Mardi Gras Shipwreck Project.

Eslinger's presentation will take place at the monthly Hydrographic Society of America – Houston Chapter (THSOA-HC) meeting. The presentation will be held at 7:00PM on Wednesday, March 19, 2008 at The Black Lab located at 4100 Montrose, Houston, TX. Everyone is welcome to participate in this interesting event. Additional information regarding THSOA – HC is available at <http://www.thsoa.org/houston.htm>

## **4. JOB POSTINGS**

### **4.a) OPEN RESEARCH POSITIONS AT FREESUBNET**

Early-Stage Researchers (<postgrad+4yrs) are required at four FREESUBNET institutions. FREESUBNET ([www.freesubnet.eu](http://www.freesubnet.eu)) is a consortium of a number of European institutions tasked under the EU FP6 MCRTN to advance state of the art in Autonomous Underwater Vehicle (AUV) technology.

Positions are available to further the art of underwater robotic manipulation, underwater robotic vision, concurrent mapping and localisation, and robotic inspections for maritime security applications. European nationals are encouraged to apply to vacancies posted at [http://cordis.europa.eu/mc-opportunities/index.cfm?fuseaction=dataForm.showDataDetail&obj\\_id=13244&obj\\_type=PRJ](http://cordis.europa.eu/mc-opportunities/index.cfm?fuseaction=dataForm.showDataDetail&obj_id=13244&obj_type=PRJ)

### **4.b) NATIONAL OCEANOGRAPHY CENTRE, SOUTHAMPTON SEEKS A SEA SYSTEMS – DEPUTY HEAD OF PLATFORM SYSTEMS**

The Centre is seeking to appoint a Deputy Manager for the repair, maintenance and operation regime of all Platform Systems scientific equipment facilities. The Deputy Manager will deputize as necessary for management of all Platform Systems staff, including oversight of the Science Department on each vessel. This is a permanent position and the salary is in the range of £22,220 to £27,440 per annum.

You can download an application pack at: <http://www.noc.soton.ac.uk/vacancies/> or alternatively contact Lorraine Gray, Tel: +44 023 8059 6604 or e-mail: [loraya@noc.soton.ac.uk](mailto:loraya@noc.soton.ac.uk) The closing date for completed application forms is 17 April 2008. Please quote reference number NOCS 30/08 on all correspondence.

### **4.c) NATIONAL OCEANOGRAPHY CENTRE, SOUTHAMPTON SEEKS A TECHNICAL VESSEL SUPPORT OFFICER**

The job role includes reporting to the Head of Vessel Systems with respect to all aspects of Vessel Systems engineering; assisting him in ensuring that the vessels meet all classification and statutory requirements; deputising when necessary. This is a temporary position from June 2008 until March 2009 and the salary is in the range of £29,360 to £34,630 per annum.

You can download an application pack at: - <http://www.noc.soton.ac.uk/vacancies/> or alternatively contact Lorraine Gray, Tel: +44 023 8059 6604 or e-mail: [loraya@noc.soton.ac.uk](mailto:loraya@noc.soton.ac.uk). The closing date for completed application forms is 17 April 2008. Please quote reference number NOCS 28/08 on all correspondence.

## **5. AND FINALLY.....**

### **5.a) NOVICE GOLFER CLIFF FUNNELL WINS THE OCEAN BUSINESS LONGEST DRIVE AWARD AT OI 2008!**

After a lot of persuading Cliff Funnel stepped onto the Ocean Business stand at Oceanology last week to have a go at the extremely popular longest drive competition. In his own words, Cliff thinks that golf 'ruins a nice walk' but as the crowds fell silent Cliff drew back his club and with one fluid swing, he found himself at the top of the leader board. Hundreds tried in vain to beat his almighty 333.18 metre drive, but Cliff remained victorious and won a bottle of Veuve Cliquot for his efforts. To hear more about Ocean Business go to [www.oceanbusiness.com](http://www.oceanbusiness.com)

### **5.b) PHIL BAGLEY OF OCEANLAB WINS THE RS AQUA/OI08 CASE OF WINE**

The delighted winner of the case of Italian wine, offered by RS Aqua as a lucky draw prize at Oi08 for those who donated towards the Land's End to John O'Groats cycle ride being undertaken in May this year by David and Chris Goldsmith, is announced as being Dr Phil Bagley of OceanLab, University of Aberdeen. Thanks are offered to all who donated and also to those who helped in publicising the event. A nice round £300 (plus gift aid) was collected during the week. Whilst David Goldsmith, oceanographer with RS Aqua, was very pleased with the donations, he hopes that any OceanBuzz readers who have not yet visited the charity ride home page at [www.goldsmithsbikebritain.co.uk](http://www.goldsmithsbikebritain.co.uk) will do so shortly to boost the sponsorship funds even further.