

oceanbuzz!

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

This FREE OF CHARGE newsletter is brought to you by the organisers of the Ocean Business event www.oceanbusiness.com. It is FREE to subscribe to and FREE to include your articles. Simply send us your news, job postings, info on events and we will help spread the word to the Ocean Technology industry. To add your colleagues to the Oceanbuzz circulation list simply email info@intelligentexhibitions.com or go to the new Oceanbuzz website www.oceanbuzz.org where you can download past issues as well.

INDEX

1. General Ocean News

- 1.a) When Size Matters: Chelsea Launches the TriLux Family of Miniature Multi-Wavelength Fluorimeters
- 1.b) Oxygen Depletion - A New Form of Ocean Habitat Loss
- 1.c) Hegg Marine Solutions Announces Launch of New Business; Aims to Generate Synergy Through Client-Driven Innovation
- 1.d) WFS Receives SMART Award to Revolutionise Environmental Monitoring
- 1.e) Geolab Positioning Contract for Veripos
- 1.f) Oceanscience Receives Teledyne Technologies 2007 Partner of the Year Award for Wave Energy Harvesting Project
- 1.g) WFS is Expanding
- 1.h) Chelsea New FASTtracka II Fluorimeter Upgrades for 2008

2. Event, Training and Demonstration News

- 2.a) Interspill 2009 Call for Papers, 12-14 May 2009, Marseille, France

3. Who's on the Move

- a) WFS Appoints Vince Dobbin as General Manager for Homeland Security & Defence

4. Job Postings

- a) Sales Engineer/Technical Sales for Trelleborg Offshore, Houston, USA
- b) Trittech International Limited is Expanding!
- c) Subacoustech's expanding work programme results in search for new team members

5. AND FINALLY

- a) In Memoriam: John Edward Chance

1.GENERAL OCEAN NEWS

1.a) WHEN SIZE MATTERS: CHELSEA LAUNCHES THE TRILUX FAMILY OF MINIATURE MULTI-WAVELENGTH FLUORIMETERS

Building on its reputation in the field of fluorimeter design, Chelsea Technologies Group has launched an innovative series of new low cost miniature in-situ fluorimeters, which offer the user significantly increased functionality over existing in-situ fluorimeter designs.

These compact, multi-wavelength fluorimeters are offered with the option of monitoring up to three different fluorescent parameters within a single probe. By selecting from a wide range of fluorophors, users can specify a TriLux fluorimeter tailored to their monitoring requirements

The TriLux fluorimeters have been designed for moored, profiled, towed or ROV / AUV platforms and are an ideal tool for in-situ chlorophyll & algae class studies, dye tracing, particulate studies, process control and environmental monitoring.

For further information contact Ellen Keegan, ekeegan@chelsea.co.uk or go to the website www.chelsea.co.uk

1.b) OXYGEN DEPLETION - A NEW FORM OF OCEAN HABITAT LOSS

Scientists confirm computer model predictions that oxygen-depleted zones in tropical oceans are expanding, possibly because of climate change

An international team of physical oceanographers including a researcher from Scripps Institution of Oceanography at UC San Diego has discovered that oxygen-poor regions of tropical oceans are expanding as the oceans warm, limiting the areas in which predatory fishes and other marine organisms can live or enter in search of food.

The new study is led by Lothar Stramma from the Leibniz Institute of Marine Sciences (IFM-GEOMAR) in Kiel, Germany, and is co-authored by Janet Sprintall, a physical oceanographer at Scripps Oceanography and others. The researchers found through analysis of a database of ocean oxygen measurements that levels in tropical oceans at a depth of 300 to 700 meters (985 to 2,300 feet) have declined during the past 50 years. The ecological impacts of this increase could have substantial biological and economical consequences.

The team selected ocean regions for which they could obtain the greatest amount of data to document the decline in oxygen. Some of the more recent data came from oxygen sensors which have been added to about 150 of the profiling floats used in Argo, a worldwide network of sensors that track basic ocean conditions such as temperature and salinity. There are more than 3,000 Argo floats operating in the world's oceans, and Sprintall said the quality of the data gathered by the Argo floats suggests that more units in the network should be outfitted with oxygen sensors.

For further information contact scrippsnews@ucsd.edu or avillwock@ifm-geomar.de

1.c) HEGG MARINE SOLUTIONS ANNOUNCES LAUNCH OF NEW BUSINESS; AIMS TO GENERATE SYNERGY THROUGH CLIENT-DRIVEN INNOVATION

Hegg Marine Solutions (www.HeggMarine.com), a newly established marine services business, announced today their foray into the competitive industry of Oceanographic Project Management and Site Support. Hegg Marine Solutions primary business will include marine data acquisition, sonar system integration, project management, consultation, training and site support. HMS's mission is to support, maintain and manage client needs in their respective Marine Industry endeavors.

Hegg Marine Solutions is owned and operated by Fred Hegg, an industry professional who has been involved with the research, development, engineering, manufacturing, integration and sales of underwater

acoustic products. Prior to starting HMS, Mr. Hegg was employed for over 25 years at Teledyne Benthos, Inc., formerly Benthos, Inc., and Datasonics, Inc. His vast work experience and intricate knowledge of specialized facets of marine science have been well documented and published in industry-specific conferences. Throughout his career, Hegg has traveled extensively to work with clients, focusing the last 15 years in Asia and Europe.

Hegg Marine Solutions is defining its niche by merging the basics of engineering with new technologies, including software and hardware, to help further advance solutions for its clients. HMS stands behind the concept that there may be more than one solution for their clients and thus integrates best in class technology and services with experience to provide the intended results for success. For more information go to <http://www.heggmarine.com> or contact info@heggmarine.com

1.d) WFS RECEIVES SMART AWARD TO REVOLUTIONISE ENVIRONMENTAL MONITORING

Thanks to new technology pioneered by WFS, the environmental industry stands to benefit from higher performance, cheaper, and more easily deployable wireless monitoring systems. With the support of a SMART Award from the Scottish Government, WFS will conduct an 8-month feasibility study into the development of the world's first underwater and underground RF communication system designed specifically for environmental monitoring. The project represents groundbreaking work that will move Scotland to the forefront of emerging environmental technologies.

The technology being developed by WFS will allow unobtrusive and seamless transmission through water and through ground, removing the need for cables, repeater buoys or for digging trenches to lay cables. Unlike conventional wireless systems, WFS's radio technology is unaffected by challenging water conditions and has no adverse affect on aquatic life. For more information about WFS and its products, contact **Sam Franklin**, info@wirelessfibre.co.uk or go to <http://www.wirelessfibre.co.uk/>

1.e) GEOLAB POSITIONING CONTRACT FOR VERIPOS

Veripos of Aberdeen has been awarded a further three-year contract by Naples-based GeoLab Srl, one of Europe's leading turnkey offshore survey and construction support organisations, for provision of high-precision GNSS positioning services as an aid to the Italian company's worldwide subsea operations on behalf of major oil, cabling and dredging concerns as well as government agencies and research institutes. The contract extends the relationship between the two companies following an earlier three-year agreement.

Under the new agreement, Veripos will continue to provide GeoLab with a full range of proprietary globalised satellite positioning facilities extending from its Standard GNSS augmentation service to its latest Ultra Precise Point Positioning (PPP) capability which ensures decimetre-level accuracies by minimising or removing all main GPS error sources. Together with the supply of further LD2 integrated dual frequency mobile units, Verify QC software for real-time and post-processing of data and newly-developed interactive e-learning training modules, the facilities will collectively support operations of GeoLab's group-sourced subsea survey and DP support vessels operating from regional bases in Namibia, the UAE and West Africa in addition to Italy. For further information contact soconnor@oceanscience.com or go to www.veripos.com

1.f) OCEANSCIENCE RECEIVES TELEDYNE TECHNOLOGIES 2007 PARTNER OF THE YEAR AWARD FOR WAVE ENERGY HARVESTING PROJECT

Each year Teledyne Scientific & Imaging (TS&I), a Teledyne Technologies Company, recognizes a partner company that has made major contributions to TS&I's performance. On April 1, 2008 Teledyne Technologies announced the presentation of the 2007 Technology Partner of the Year award to The Oceanscience Group, a world leader in innovative products for oceanographic and hydrologic applications.

The Oceanscience team of Nick Brower, Stan Hapak, Steve Walsh, Jerry Charles, and founder Dr. Ron George played a critical role in the success of a key Phase 3 DARPA program on Ocean Wave Energy Harvesting using a buoy-mounted generator. The objective was to demonstrate generation of 20 watts of

power in a wide range of sea conditions. The Oceanscience team had full responsibility for mechanical and electrical design of the buoy, generators, and all associated data acquisition hardware.

The Oceanscience Group develops and markets proprietary and OEM water resources equipment. Key products are remotely-controlled and tethered instrumentation boats and the Underway CTD portable shipboard data acquisition system. Oceanscience also manufactures the Sea Spider and Barnacle seafloor platforms, buoy-of-opportunity sensor mounts for making real-time measurements from existing navigation buoys, and rugged, water-resistant communications hardware including spread spectrum, WiFi and Iridium systems.

Teledyne Technologies is a leading provider of sophisticated electronic components, instruments and communications products. For additional information please visit www.oceanscience.com

1.g) WFS IS EXPANDING

One of the leading developers of through-water and through-ground wireless technologies recently announced the company's UK headquarters had been relocated to a larger facility in Livingston, near Edinburgh in Scotland. Brendan Hyland, Chairman of WFS, commented, "The business has grown strongly over the last 12 months with new business from customers in the Defence, Oil and Environmental sectors. This move to larger facilities accommodates our growing team and greater engineering needs". WFS's new offices are located at 3 Michaelson Square, Kirkton Campus, Livingston, EH54 7DP. For further information contact info@wirelessfibre.co.uk or go to www.wirelessfibre.co.uk

1.h) CHELSEA NEW FASTTRACKA II FLUORIMETER UPGRADES FOR 2008

Chelsea Technologies Group Ltd is pleased to announce that the new FASTtracka II Fast Repetition Rate Fluorimeter, introduced in 2007, has been further upgraded for 2008. New, user friendly windows based software enables the user to easily configure the sensor for data sampling, data presentation, storage and export for post processing. Users have complete control of excitation protocols, and can define variable flashlet duration and intervals.

With these improvements, Chelsea has launched the new instrument at a price significantly lower than its predecessor. The FASTtracka II is now available with dedicated Photosynthetically Active Radiation (PAR) and depth sensors. These compliment the functionality of the FASTtracka II which provides Multiple Turnover (MT) as well as Single Turnover (ST) modes.

There has been interest from both the traditional oceanographic community and fresh water monitoring groups since its launch last year. The FASTtracka II is fast becoming a key tool for monitoring photosynthetic performance in phytoplankton, within primary production studies, bloom detection and toxicity monitoring. As the FASTtracka II acquires data extremely rapidly (typically 200 μ s in ST mode), the instrument lends itself to operation in many platforms including towed vehicles, fast profilers, AUVs and Gliders. For more information, please contact Ellen Keegan, ekeegan@chelsea.co.uk, or go to www.chelsea.co.uk

2. EVENT, TRAINING AND DEMONSTRATION NEWS

2.a) INTERSPILL 2009 CALL FOR PAPERS, 12-14 MAY 2009, MARSEILLE, FRANCE

The Interspill 2009 International Conference and Exhibition for Spill Prevention, Preparedness and Response, and the International Maritime Organization 4th R&D Forum will be held in Marseille, France from 12 to 14 May 2009, with the theme "Working Together". The call for papers for both events is now available online at www.interspill.com/papers

The 5th Interspill event is expected to attract over 1000 delegates and visitors from more than 70 countries. International regulators, oil industry operators and the spill response industry amongst others will convene to discuss the risks, past and current and the latest thinking in dealing with spill prevention, preparedness, response and restoration.

Risk of oil spills remains ever present. The oil and shipping industries, governments and the public collectively share a responsibility to protect our environment. To do this, there is a need for everyone to "Work Together" which will feature as the main theme for the conference. With the idea of cooperation in mind, Interspill 2009 is delighted to host the 4th International Maritime Organization R&D Forum on Hazardous & Noxious Substances (HNS) in the Marine Environment.

The 4th IMO R&D Forum will focus on "hazardous and noxious substances (HNS) in the marine environment" and will be held nearly two years to the day after the entry into force of the OPRC-HNS protocol. This Protocol was adopted to expand the scope of the 1990 International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC Convention 1990) and covers pollution incidents from HNS. It aims to provide a global framework for international co-operation in combating major pollution incidents involving HNS or threats by such substances to the marine environment or coastline which would require emergency action or an immediate response.

The Forum will address the main aspects of preparedness for and response to HNS spills with topics that range from impact assessment, to the operational dimension of pollution combating techniques and equipment, as well as on health and safety and international legislative issues. This international meeting provides an opportunity for direct communication amongst senior researchers and research and development managers from recognised institutions around the world to identify priority issues, more productive research, and to promote co-operative joint research projects.

Authors who wish to contribute to the Interspill conference or to the IMO R&D forum can submit their abstract online at www.interspill.com/papers before 15th September 2008. Abstracts will be reviewed by the committee before 15th November 2008. Selected authors will be required to submit final copies of their papers by 15th February 2008. A poster session will also be organized. All topics and technical details may be found at www.interspill.com. For further information contact the team at info@interspill.com or call +44 (0) 1453 839228.

3. WHO'S ON THE MOVE

3.a) WFS APPOINTS VINCE DOBBIN AS GENERAL MANAGER FOR HOMELAND SECURITY & DEFENCE

WFS has appointed Vince Dobbin, as General Manager of the award-winning company's Homeland Security & Defence division. He will head the rapidly expanding defence arm of the business.

Vince Dobbin joins WFS from Drumgrange Ltd, a world leader in defence systems where he has been Sales & Marketing Manager for three years. Prior to this he served in the Royal Navy in a range of operational roles in the UK and USA.

For further information please contact Vince Dobbin, +44 (0) 8458 621 575 or email vincedobbin@wirelessfibre.co.uk or go to <http://www.wirelessfibre.co.uk/>

4. JOB POSTINGS

4.a) SALES ENGINEER/TECHNICAL SALES FOR TRELLEBORG OFFSHORE, HOUSTON, USA

Candidates must have a proven track record in a sales environment with a background in manufacturing industry and experience of relationship and transactional selling. Educational requirements include a minimum of HNC in Mechanical/ Civil/ Structural Engineering.

If you are interested in applying for this role, please send your CV to crpjobs.us@trelleborg.com or visit <http://www.trelleborg.com/offshore>

4.b) TRITECH INTERNATIONAL LIMITED IS EXPANDING!

Tritech International Ltd produces a technically advanced and integrated range of acoustic, mechanical and electrical subsea products for export worldwide. See the Tritech website for a more detailed view: www.tritech.co.uk

A new opportunity has recently arisen to join our supply chain management team as a Stores Manager. This role primarily exists to ensure that we achieve efficient flow of all products & goods to their final destinations.

Key Responsibilities include managing the key processes within the stores department; utilising the ERP system to raise ensure shipments are delivered in a timely manner; with guidance from the Material Controller ensure that the flow of goods through the preparation stages is controlled adequately; ensure goods returned for service/repair are passed to the appropriate departments; ensure all relevant supplier deliveries are received into the stock control system; create a positive working relationship with our couriers to improve delivery performance and reduce costs.

It would be advantageous for candidates to have proven stores control/planning experience within an engineering industry but not essential. Experience of working with ERP Systems would be preferable and good written, verbal and numerical skills, backed-up with relevant qualifications.

Candidates should have excellent attention to detail; be a good team worker; be resourceful and energetic and customer focused.

Please send your C.V. to hr@tritech.co.uk or by post to HR Department, Tritech International Ltd, Peregrine Road, Westhill, Aberdeen AB32 6JL.

4.c) SUBACOUSTECH'S EXPANDING WORK PROGRAMME RESULTS IN SEARCH FOR NEW TEAM MEMBERS

Subacoustech are award winning world leaders in underwater acoustic research, with a track record of developing novel solutions to problems, and providing cutting edge research and consultancy to government and industry.

Due to our expanding work programme we are looking for new team members. Whether you have recently graduated or have years of experience in the field, we would like to hear from you. Educated to BSc, MSc or PhD level in an engineering or numerate discipline, you will have good computational skills and thrive on using your initiative to solve challenging problems. Interest or experience in marine and environmental related science would be an advantage.

The successful candidate can expect to carry out work on a range of challenging projects from estimating the environmental effects of underwater noise to research into underwater explosions. In return, we offer career progression in this specialist and sought after field, a competitive salary in the range of £25 – 65kpa (dependent on experience), along with profit related bonuses and the opportunity to become a shareholder in due course.

For more information please visit our website www.subacoustech.com or to apply, please email your CV and a covering letter to subacoustech@handoverhr.co.uk

5. AND FINALLY.....

5.a) IN MEMORIAM: JOHN EDWARD CHANCE

A Mass of Christian Burial was celebrated at 11:00 AM on Monday, May 5, 2008, at St. Mary Catholic Church in Lafayette for John Edward Chance who passed away peacefully on Thursday, May 1, 2008 at home in Lafayette at the age of 84.

Mr. Chance was born in Hardin County, Texas on January 18, 1924. He graduated from Silsbee High School and earned a Bachelor's degree in Civil Engineering from the University of Texas. He was awarded the Purple Heart after being wounded at the Battle of the Bulge in the World War II European Campaign.

A resident of Lafayette since 1951, Mr. Chance began his career with Sun Oil Company, and then founded John E. Chance & Associates, Inc. in 1957 and Survey Boats, Inc. some years later. He enjoyed numerous professional successes and gained the respect and friendship of employees and colleagues as he led his company for 34 years.

Honors for his work included the US Senate Productivity Award for Innovation for the Starfix Positioning System, the University of Texas College of Engineering Distinguished Graduates Award, the Louisiana Society of CPA's Free Enterprise Award, the Louisiana Engineering Society James M. Todd Technological Accomplishment Medal, the International Trade Development Group's International Achievement Award, the Goodyear/NACP Conservation Award of Merit for accomplishments in Resource Conservation, the University of Texas at Austin Friend of ALEC Award and the Marine Technology Society's Marine Compass Industrial Award. Mr. Chance was honored to be named LAGCOE Looney in 2005 and to the Times of Acadiana Hall of Fame for Business Achievement in 2000.

Mr. Chance served the Lafayette community on the Board of Directors of Lafayette General Hospital and the Acadiana Mental Health Treatment Center. He also served on the Louisiana State Advisory Council for Vocational and Technical Education. He was a Director on the Boards of the Lafayette Petroleum Club, American Bank and Trust Co. and The Bank of Lafayette. He was an active member of the American Congress of Surveying and Mapping, the Louisiana Engineering Society and the Louisiana Society of Professional Surveyors. He was a registered Professional Engineer in Civil Engineering in Louisiana and Alabama.

Mr. Chance was a member of the Lafayette Mardi Gras Association, the Krewe of Gabriel, the Krewe of Troubadours and the Mystic Krewe of Louisianans of Washington, DC. He reigned as King Gabriel XLVIII in 1987 and King Lacassine XVII in 1985.

At the University of Louisiana at Lafayette, Mr. Chance and his wife established the JECA Annual Scholarship for Civil Engineering, as well as the John E. & Joretta A. Chance Professorship Endowment in Engineering. In addition to UL-Lafayette, Mr. and Mrs. Chance have also been supporters of Louisiana State University, University of Texas at Austin and Texas A&M University.

Among Mr. Chance's joys in life were his family, his friends and his career. In addition, he enjoyed many hobbies over the years including working his cattle ranch and farm lands, fishing, traveling with his wife and friends and researching his family history.

In lieu of flowers, friends are asked to remember Hospice of Acadiana, 2600 Johnston Street, Suite 200, Lafayette, LA 70503, The Our Lady of Fatima Library Fund, 2315 Johnston Street, Lafayette, LA 70503 or Carmelite Monastery, 1250 Carmel Ave. Lafayette, LA 70501. Personal condolences may be sent to the Chance family at www.mourning.com. Martin & Castille Funeral Home of Lafayette has been chosen to help with the arrangements. 337-234-2311