

INTERNATIONAL MARITIME ORGANIZATION
MARITIME KNOWLEDGE CENTRE
“sharing maritime knowledge”

CURRENT AWARENESS BULLETIN

August 2016



Maritime Knowledge Centre
maritimeknowledgecentre@imo.org
INTERNATIONAL MARITIME ORGANIZATION
www.imo.org



About the MKC Current Awareness Bulletin (CAB)

The aim of the MKC Current Awareness Bulletin (CAB) is to provide a digest of news and publications focusing on subject areas related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the *Current Awareness Bulletin* (CAB) contains excerpts only. Links to the complete articles or abstract on publishers' sites are included when available, though access may require payment or subscription.

The MKC *Current Awareness Bulletin* is published monthly and issues from the current and the past year are free to download from this [page](#).

[Email us](#) if you would like to receive email notification when the most recent Current Awareness Bulletin is available to be downloaded.

The *Current Awareness Bulletin* (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

CONTENTS

IMO NEWS & EVENTS	2
---	---

INDUSTRY NEWS AND PUBLICATIONS

CASUALTIES.....	3
ENVIRONMENT	7
ENVIRONMENTAL POLLUTION	9
HEALTH	11
HEALTH AND SAFETY	11
IMO	11
LAW AND POLICY	12
MARINE TECHNOLOGY.....	16
MARITIME SAFETY	17
MARITIME SECURITY	18
MARITIME TRAINING	21
MIGRANTS	23
NAVIGATION AND COMMUNICATIONS	26
PIRACY.....	27
PORT STATE CONTROL.....	28
PORTS AND HARBOURS	28
RECYCLING OF SHIPS	30
REGULATIONS	31
SALVAGE	31
SEAFARERS	32
SEARCH AND RESCUE	35
SHIPBUILDING AND SHIPREPAIR	36
SHIPPING.....	37
RESEARCH.....	44

IMO NEWS & EVENTS

WHAT'S NEW

Global treaty to halt invasive aquatic species to enter into force in 2017

Accession by Finland has triggered the entry into force of a key international measure for environmental protection that aims to stop the spread of potentially invasive aquatic species in ships' ballast water.

The International Convention for the Control and Management of Ships' Ballast Water and Sediments ([BWM Convention](#)) will enter into force on 8 September 2017, marking a landmark step towards halting the spread of invasive aquatic species, which can cause havoc for local ecosystems, affect biodiversity and lead to substantial economic loss. Under the Convention's terms, ships will be required to manage their ballast water to remove, render harmless, or avoid the uptake or discharge of aquatic organisms and pathogens within ballast water and sediments

"The spread of invasive species has been recognized as one of the greatest threats to the ecological and the economic well-being of the planet. These species are causing enormous damage to biodiversity and the valuable natural riches of the earth upon which we depend. Invasive species also cause direct and indirect health effects and the damage to the environment is often irreversible," he said.

He added, "The entry into force of the Ballast Water Management Convention will not only minimize the risk of invasions by alien species via ballast water, it will also provide a global level playing field for international shipping, providing clear and robust standards for the management of ballast water on ships." [Full Story: Briefing 22 - 08/09/2016](#)

IMO MEETINGS FOR 2016

Sub-Committee on Carriage of Cargoes and Containers (CCC)
3rd Session, 5 – 9 September 2016

IMO NEWS MAGAZINE **(Issue 2, 2016)**

IMO PUBLISHING [Just Published: 2016](#) [August 2016 Newsletter](#)

RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

["Our voyage together – IMO's history and future challenges" - Captain Ghani Ishak \(CGI\) 2016 Lecture, Association of Malaysia's Maritime Professionals \(IKMAL\), Malaysia](#)
9 August 2016

[13th International VTS Symposium, Kuala Lumpur, Malaysia](#) 8 August 2016

CASUALTIES

"Unacceptable" Fatality Rate in UK Fisheries. *Maritime Executive* [Online]. 29 July 2016. Available from: <http://maritime-executive.com/article/unacceptable-fatality-rate-in-uk-fisheries>
The UK's commercial fishing fleet is now statistically more dangerous than Alaska's, and an industry body suggests that the nation's fisheries are now taking the unwanted title of the "deadliest catch."

Freighter Sinks Fishing Vessel Off Vietnam. *Maritime Executive* [Online]. 29 July 2016. Available from: <http://maritime-executive.com/article/freighter-sinks-fishing-vessel-off-vietnam>
On Wednesday, the general cargo ship *Đông Phong* 68 struck and sank a fishing vessel off of the resort town of Mui Ne, Vietnam. Four fishermen abandoned ship into the water and were rescued by the crew of the *Đông Phong*.

Collision of Panama-flagged vessels VLCC (Very Large Crude Carrier) and Container Ship in the Singapore Strait. *Maritime and Port Authority of Singapore (MPA)* [Online]. 4 August 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/b8e57369-ce73-496b-beea-d0021b60a0dd> At about 2355 hrs on 3rd Aug 2016, Maritime and Port Authority of Singapore (MPA) was notified of a collision involving *Dream II* VLCC (Very Large Crude Carrier) and *MSC Alexandra* (Container Ship) in the Singapore Strait, about 3 km South-East of Sebarok Island.

Cruise ship adrift with up to 4,500 aboard hit by engine failure. *Irish Times* [Online]. 4 August 2016. Available from: <http://www.irishtimes.com/news/ireland/irish-news/cruise-ship-adrift-with-up-to-4-500-aboard-hit-by-engine-failure-1.2745555> A large cruise ship with almost 4,500 people on board was adrift for nine hours in the Irish Sea due to engine failure.

NTSB launches mission to retrieve *El Faro* voyage data recorder. *US National Transportation Safety Board (NTSB)* [Online]. 4 August 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/pr20160804.aspx> The NTSB's third mission to the wreckage of the *El Faro* is scheduled to launch Friday from Virginia Beach, Virginia.

Iranian supertanker collides with giant MSC boxship in Singapore Strait – incident photos. By Mike Schuler. *gCaptain* [Online]. 4 August 2016. Available from: <https://gcaptain.com/vlcc-collides-with-giant-msc-boxship-in-singapore-strait/> An Iranian Very Large Crude Carrier and a large containership collided in the busy Singapore Strait late Wednesday night, causing damage to both ships but luckily no injuries or reports of major pollution.

Drilling rig blown ashore in storms off Western Isles. *BBC News* [Online]. 8 August 2016. Available from: <http://www.bbc.co.uk/news/uk-scotland-north-east-orkney-shetland-37007656>
The Transocean Winner, which has diesel on board, was under tow west of Lewis when it was hit by severe storms.

Tilbury passenger ferry "fully operational" after collision with giant cruise ship. *Thurrock Gazette (UK)* [Online]. 6 August 2016. Available from: http://www.thurrockgazette.co.uk/news/14663310.Tilbury_passenger_ferry_fully_operational_after_collision_with_giant_cruise_ship/ Passengers have spoken of their shock after a giant cruise ship hit a tiny passenger ferry at Tilbury Docks on Wednesday night.

2 missing after cargo ships collide off Vietnamese coast. By Vung Tau. *Thanh Nien News (Vietnam)* [Online]. 9 August 2016. Available from: <http://www.thanhniennews.com/society/2-missing-after-cargo-ships-collide-off-vietnamese-coast-65079.html> Rescuers are searching for two people after a Vietnamese cargo ship collided with a foreign vessel some 118 nautical miles northeast from the beach town of Vung Tau late Monday.

Update: Grounding of semi-submersible drilling rig, Isle of Lewis.

UK Maritime & Coastguard Agency [Online]. 8 August 2016. Available from: http://hmcoastguard.blogspot.co.uk/2016/08/update-grounding-of-semi-submersible_8.html The UK Coastguard is warning people not to attempt to visit the area where the semi-submersible drilling rig Transocean Winner went aground on the Isle of Lewis.

Update: Grounding of Transocean Winner, Isle of Lewis. *UK Maritime & Coastguard Agency* [Online]. 9 August 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/08/update-grounding-of-transocean-winner.html> Final preparations are being made to put a small team of salvors on board the grounded semi-submersible oil rig off the Isle of Lewis this afternoon.

Recorder from cargo ship *El Faro* recovered. *US National Transportation Safety Board (NTSB)* [Online]. 9 August 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/pr20160809.aspx> The voyage data recorder from *El Faro*, a US flagged cargo ship that sank during Hurricane Joaquin in October 2015, was successfully recovered from the ocean floor late Monday evening.

Small ship capsizes in harbour after collision with cargo vessel; three boats hit.

Times of Malta [Online]. 9 August 2016. Available from: <http://goo.gl/yISmtA> A fishing trawler that was carrying fish bait for fish farms capsized in Grand Harbour early this afternoon after it was hit by a cargo ship.

Diesel oil leak from grounded rig Transocean Winner. *BBC News* [Online]. 10 August 2016. Available from: <http://www.bbc.co.uk/news/uk-scotland-highlands-islands-37038714> Two fuel tanks on the grounded drilling rig Transocean Winner have been breached, releasing an unknown amount of diesel oil.

Grounding of oil rig on Lewis probed by marine investigators. *STV News (Scotland)* [Online]. 12 August 2016. Available from: <http://stv.tv/news/highlands-islands/1363739-grounding-of-oil-rig-on-lewis-probed-by-marine-investigators/> The Transocean Winner is believed to have leaked more than 50,000 litres of diesel since Monday.

Update: Transocean Winner oil rig grounded off Isle of Lewis.

UK Maritime & Coastguard Agency [Online]. 11 August 2016. Available from: http://hmcoastguard.blogspot.co.uk/2016/08/update-transocean-winner-oil-rig_12.html Plans to put a team of eight salvors on board the oil rig Transocean Winner have had to be called off because the conditions are unsuitable to winch them down safely.

Two of four fuel tanks on Transocean Winner 'intact'. *BBC News* [Online]. 15 August 2016. Available from: <http://www.bbc.co.uk/news/uk-scotland-highlands-islands-37076640> Last week it emerged that the two other tanks had been breached during the grounding and more than 12,000 gallons (56,000 litres) of diesel oil lost.

Update: Transocean Winner drilling rig (13th August). *UK Maritime & Coastguard Agency* [Online]. 14 August 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/08/update-transocean-winner-drilling-rig.html> Plans to board the drilling rig Transocean Winner as part of the ongoing salvage operation off the Isle of Lewis are continuing.

Gas leak leaves one dead, three injured in France. By Sam Chambers. *Splash 24/7* [Online]. 13 August 2016. Available from: <http://splash247.com/gas-leak-leaves-one-dead-three-injured-in-france/> One worker died and three others were hospitalised yesterday from toxic fumes while dismantling a ship in the French port of Brest.

Update: Transocean Winner drilling rig. *UK Maritime & Coastguard Agency* [Online]. 16 August 2016. Available from: <http://hmcoastguard.blogspot.co.uk/2016/08/update-transocean-winner-drilling-rig-16.html> An underwater survey continues to be carried out around the Transocean Winner drilling rig, which is currently grounded off the Isle of Lewis.

Quick action prevented serious tour-boat accident. *Arctic Journal* [Online]. 15 August 2016. Available from: <http://arcticjournal.com/business/2512/quick-action-prevented-serious-tour-boat-accident> The close proximity of a nearby vessel was crucial to the successful evacuation of all 26 passengers and crew from a Greenlandic tour boat on Sunday.

Chinese woman falls overboard and spends 38 hours at sea without life jacket before rescue. By Laura Zhou. *South China Morning Post* [Online]. 14 August 2016. Available from: <http://www.scmp.com/news/china/society/article/2003735/chinese-woman-falls-overboard-and-spends-38-hours-sea-without> Strong swimmer somehow managed to tread water while dozing.

NTSB releases imagery of *El Faro* voyage data recorder recovery. *US National Transportation Safety Board (NTSB)* [Online]. 12 August 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/pr20160812.aspx> 📹 The National Transportation Safety Board Friday released video and photos of the retrieval and preliminary inspection of *El Faro's* voyage data recorder.

Three soldiers killed as coast guard boat capsizes in Istanbul's Bosphorus after crashing into cargo carrier. *Daily Sabah (Turkey)* [Online]. 17 August 2016. Available from: <http://www.dailysabah.com/istanbul/2016/08/17/three-soldiers-killed-as-coast-guard-boat-capsizes-in-istanbuls-bosporus-after-crashing-into-cargo-carrier> Three soldiers were killed after a coast guard boat collided with a bulk carrier and capsized in Istanbul's Bosphorus Strait on Wednesday.

Four dead after two boats collide near the Greek Island of Aegina close to Athens. By Chris Cummins. *Euronews* [Online]. 16 August 2016. Available from: <http://goo.gl/yIZrtb> 📢 At least four people have been killed and five others injured after a speedboat and pleasure boat collided off the Greek island of Aegina close to Athens, according to the Greek coastguard.

More than 500 passengers evacuated after fire in ship's engine room. By Jeffrey Cook. *ABC News (US)* [Online]. 17 August 2016. Available from: <http://abcnews.go.com/US/passengers-forced-abandon-car-ferry-fire/story?id=41451624> 📹 The 512 passengers on board the *Caribbean Fantasy* have been safely evacuated after a fire broke out in the ship's engine room earlier today.

Update: Coast Guard, local agencies continue response efforts of vessel fire off San Juan Harbor. *US Coast Guard Newsroom* [Online]. 17 August 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2875721/> The Coast Guard is responding Wednesday to a fire aboard the 561-foot passenger ferry vessel *Caribbean Fantasy* approximately half a mile off of Punta Salinas.

Coast Guard, local agencies responding to vessel fire off San Juan Harbor.

US Coast Guard Newsroom [Online]. 17 August 2016. Available from: <http://www.d7.uscgnews.com/go/doc/4007/2875630/> At approximately 7:42 a.m., Coast Guard Sector San Juan received a report of a fire aboard a Panamanian-flagged passenger/cargo ship carrying 512 passengers, including crew en route to Dominican Republic.

Hard aground – abandoned ship threatens Mexican coast. By John Konrad. gCaptain [Online]. 17 August 2016. Available from: <https://gcaptain.com/hard-aground-abandoned-ship-threatens-mexican-coast/> The bulk carrier "M/V Los Llanitos" is breaking apart and close to sinking off the Pacific coast of Mexico.

Update: Transocean Winner drilling rig. UK Maritime & Coastguard Agency [Online]. 19 August 2016. Available from: http://hmcoastguard.blogspot.co.uk/2016/08/update-transocean-winner-drilling-rig_19.html Preparations for the refloat of the Transocean Winner continue as more equipment arrives onboard the grounded rig.

Puerto Rico Fire Department extinguishes fire on the *Caribbean Fantasy*.

US Coast Guard Newsroom [Online]. 21 August 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2876677/> The Puerto Rico Fire Department extinguished the fire on the passenger vessel ferry *Caribbean Fantasy* using 3,000 gallons of seawater from the San Juan Harbor around 6 p.m. Saturday.

***Caribbean Fantasy* moored in San Juan Harbor, Unified Command continues salvage efforts.** *US Coast Guard Newsroom* [Online]. 20 August 2016. Available from: <http://www.uscgnews.com/go/doc/4007/2876602/> The Unified Command is developing an assessment and disposal plan for potential hazardous and non-hazardous waste.

Giant CMA CGM boxship suffers grounding off Southampton. Splash 24/7 [Online]. 23 August 2016. Available from: <http://splash247.com/giant-cma-cgm-boxship-suffers-grounding-off-southampton/> The 2015-built, 17,859 teu CMA CGM *Vasco Da Gama* grounded just after midnight yesterday as it made its way to Southampton on the UK's south coast.

Grounded oil rig towed free from rocks in Western Isles. By Kris Gilmartin. STV News (Scotland) [Online]. 22 August 2016. Available from: <http://stv.tv/news/highlands-islands/1364850-grounded-oil-rig-towed-free-from-rocks-in-western-isles/> An oil rig stranded for two weeks after running aground in the Western Isles has been successfully towed from the shoreline.

UK Club says mis-declared cargo cause 27% of incidents on ships. Safety 4 Sea [Online]. 22 August 2016. Available from: <http://www.safety4sea.com/uk-club-says-mis-declared-cargo-cause-27-of-incidents-on-ships/> Data captured by the Cargo Incident Notification System (CINS) over the 2013 - 2014 period indicates that 27% of incidents in terms of detected causation were attributable to cargo being mis-declared, second only to poor packaging.

Transocean Winner drilling rig on final approaches to Broad Bay.

UK Maritime & Coastguard Agency [Online]. 24 August 2016. Available from: http://hmcoastguard.blogspot.co.uk/2016/08/update-transocean-winner-drilling-rig_24.html It's likely the drilling rig will be secured on her anchors by late afternoon.

26 Hours of information recovered from *El Faro* voyage data recorder.

US National Transportation Safety Board (NTSB) [Online]. 24 August 2016. Available from: <http://www.nts.gov/news/press-releases/Pages/PR20160824.aspx> The National Transportation Safety Board announced Wednesday the convening of a voyage data recorder group, Monday, to develop a detailed transcript of the sounds and discernible words captured on the *El Faro*'s bridge audio, following the audition of the ship's VDR.

ENVIRONMENT

International report confirms Earth is hot and getting hotter. *US National Oceanic and Atmospheric Administration (NOAA)* [Online]. 2 August 2016. Available from:

<http://www.noaa.gov/international-report-confirms-earth-hot-and-getting-hotter> An annual State of the Climate report has confirmed that 2015 surpassed 2014 as the warmest year on record since at least the mid-to-late 19th century.

China - Emission Control Areas - MSA Inspection Criteria. *West of England P&I Club*

[Online]. 1 August 2016. Available from: <http://www.westpandi.com/Publications/News/china---emission-control-areas--msa-inspection-criteria/> Further to the Club's news article of 16 December 2015 and the update of 9 February 2016 concerning the introduction of emission control areas in China, the Chinese Maritime Safety Administration (MSA) has formulated guidelines on what MSA officers are to look for when checking the compliance of vessels with Chinese ECA requirements.

UN asked Australia to cover up Great Barrier Reef lobbying. By Karl Mathiesen.

Climate Home [Online]. 1 August 2016. Available from: <http://www.climatechangenews.com/2016/08/01/un-asked-australia-to-cover-up-great-barrier-reef-lobbying/> The UN asked the Australian government to cover up details of lobbying that lead to all mention of Australia being scrubbed from a major report on climate threats to world heritage sites.

UNESCO explores ways to apply World Heritage Convention to 'wonders' of open ocean.

UN News Centre [Online]. 3 August 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=54621> A United Nations-backed report launched today explores the different ways the international treaty governing the inscription of world heritage sites may one day apply to sunken coral islands, floating rainforests, or giant undersea volcanoes, none of which can be considered for listing because they are in the seas outside of any national jurisdiction.

World Heritage Reports 44: World Heritage in the High Seas: An Idea Whose Time Has Come. *UNESCO* [Online]. 3 August 2016. Available from:

<http://whc.unesco.org/document/143493>  [Launching report at the edge of the Sargasso Sea](#) 

Climate change already accelerating sea level rise, study finds.

National Center for Atmospheric Research (NCAR) [Online]. 10 August 2016. Available from: <http://www2.ucar.edu/atmosnews/news/122223/climate-change-already-accelerating-sea-level-rise-study-finds> Greenhouse gases are already having an accelerating effect on sea level rise, but the impact has so far been masked by the cataclysmic 1991 eruption of Mount Pinatubo in the Philippines, according to a new study led by the National Center for Atmospheric Research (NCAR).

Postscript: Protecting the marine environment. By Grace Cortez. *Manila Times* [Online]. 12 August 2016. Available from: <http://www.manilatimes.net/postscript-protecting-the-marine-environment/279521/> There appears to be urgent concern over environmental damage caused by mining activities in this country.

Mining the Ocean Floor: Good Idea? By Adam Minter. *Bloomberg* [Online]. 15 August 2016. Available from: <https://www.bloomberg.com/view/articles/2016-08-14/mining-the-ocean-floor-good-idea> While commodities traders still work their way out of a historic slump, Japan is looking ahead to the next boom.

Giant coral reef in protected area shows new signs of life. By Karen Weintraub. *New York Times* [Online]. 15 August 2016. Available from: <http://www.nytimes.com/2016/08/16/science/coral-reef-climate-change.html>
In 2003, researchers declared Coral Castles dead.

UN science panel debates 1.5C as climate records fall. By Ed King. *Climate Home* [Online]. 16 August 2016. Available from: <http://www.climatechangenews.com/2016/08/16/un-science-panel-debates-1-5c-as-climate-records-fall/> Scientists to explore emission pathways that could lead to lower levels of global warming with IPCC study due in 2018.

A luxury cruise ship sets sail for the Arctic, thanks to climate change. By Brady Dennis and Chris Mooney. *Washington Post* [Online]. 16 August 2016. Available from: <http://goo.gl/mzHz4m> The once forbidding Arctic region, home to polar bears and ice-covered seas, has melted enough that this summer it's open not only for shipping but high-end tourism.

Cruising the Northwest Passage: A symbol of a rapidly changing Arctic.
By Andrew Hartsig. *Ocean Conservancy* [Online]. 17 August 2016. Available from: <http://blog.oceanconservancy.org/2016/08/17/> The impact of climate change has now ushered in an era where a luxury cruise ship is able to sail from the North Pacific to the Atlantic via the fabled Northwest Passage—a route that once defeated even the most intrepid explorers.

A floating threat: sea containers spread pests and diseases.
Food and Agriculture Organization (FAO) [Online]. 17 August 2016. Available from: <http://www.fao.org/news/story/en/item/412511/icode/> International Plant Protection Convention grapples with challenges of globalized trade.

'Next year or the year after, the Arctic will be free of ice'. By Robin McKie. *The Guardian* [Online]. 21 August 2016. Available from: <https://www.theguardian.com/environment/2016/aug/21/arctic-will-be-ice-free-in-summer-next-year?> Scientist Peter Wadhams believes the summer ice cover at the north pole is about to disappear, triggering even more rapid global warming.

World Conservation Congress Motion 49: Vote Yes for high seas protections.
Pew Charitable Trusts [Online]. 19 August 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/fact-sheets/2016/08/world-conservation-congress-motion-49-vote-yes-for-high-seas-protections> Advancing conservation and sustainable use of biological diversity in areas beyond national jurisdiction.

An open letter to the Prime Minister on the climate crisis, from 154 scientists.
By Andrew Glikson. *The Conversation* [Online]. 24 August 2016. Available from: <http://theconversation.com/an-open-letter-to-the-prime-minister-on-the-climate-crisis-from-154-scientists-64357>

Hawaii is now home to an ocean reserve twice the size of Texas. By Cynthia Barnett.

National Geographic [Online]. 26 August 2016. Available from:

<http://news.nationalgeographic.com/2016/08/obama-creates-world-s-largest-park-off-hawaii/> 

A 583,000-square-mile "no-take" zone: President Obama just quadrupled the size of a national marine monument off northwestern Hawaii.

Embracing Blue Economy for Africa's Accelerated Development. World Bank [Online].

25 August 2016. Available from: <http://www.worldbank.org/en/events/2016/08/25/embracing-blue-economy-for-africas-accelerated-development>

The Blue Economy discussions have accelerated since Rio+20, the 20th anniversary of the United Nations Conference on Sustainable Development (UNCSD), held in Rio de Janeiro, Brazil on June 20-22, 2012.

Sea-level rise, ocean acidification, ocean warming threaten Papahānaumokuākea Marine National Monument. US National Oceanic and Atmospheric Administration (NOAA) [Online].

23 August 2016. Available from: <http://www.noaa.gov/media-release/sea-level-rise-ocean-acidification-ocean-warming-threaten-papah-naumoku-kea-marine>

Global climate change threatens fragile ecosystems and cultural resources.

ENVIRONMENTAL POLLUTION

Tests ongoing into Limassol sea pollution. By Annette Chrysostomou. Cyprus Mail

[Online]. 2 August 2016. Available from: <http://cyprus-mail.com/2016/08/02/tests-ongoing-limassol-sea-pollution/>

Lifeguards at Governor's Beach near Limassol had to raise the red flag and ban people from going into the sea on Monday because of pollution which caused itching and burning eyes.

Bunker, Emissions Reduction Technology Could Radically Impact Future Shipping Patterns. By Dr Michael Traut, Tyndall Centre, University of Manchester. Ship & Bunker

[Online]. 4 August 2016. Available from: <http://shipandbunker.com/news/world/126973>

Exactly how shipping chooses to tackle its emissions reduction challenge will likely have a radical impact on the size of vessels, and the model under which they operate in the future.

Industry Insight: The Growing challenges of managing slops disposal: A sustainable alternative. By Vincent Favier, CEO, Ecoslops. Ship & Bunker [Online]. 5 August 2016.

Available from: <http://shipandbunker.com/news/features/industry-insight/107112>

Pressure is mounting for ship owners.

NSU researchers studying toxic effects of oil on corals. Nova Southeastern University (USA) [Online]. 5 August 2016. Available from: <https://nsunews.nova.edu/nsu-researchers-studying-toxic-effects-of-oil-on-corals/>

Goal is to provide research data to help guide clean-up response to oil spills.

Collision highlights big tanker spill risk. By Steve Matthews. Tanker Shipping & Trade

[Online]. 9 August 2016. Available from: http://www.tankershipping.com/news/view/collision-highlights-big-tanker-spill-risk_44078.htm

Last week there was a collision in the Singapore Strait involving the National Iranian Tanker Co's 320,000 dwt very large crude carrier (VLCC) *Dream II* and Mediterranean Shipping Co's 14,000 teu container ship *MSC Alexandra*.

Fears for coastline as oil rig begins to leak fuel. By Alan Simpson. Herald Scotland

[Online]. 11 August 2016. Available from:

http://www.heraldscotland.com/news/14675933.Fears_for_coastline_as_oil_rig_begins_to_leak_fuel/

A stricken oil rig which ran aground in severe gales has begun to leak fluid into the sea after two fuel tanks breached during extremely high tides.

IBIA members push for transitional issues associated with 0.50% global sulfur cap to be raised at IMO. *Ship & Bunker* [Online]. 11 August 2016. Available from:

<http://shipandbunker.com/news/world/868341> The International Bunker Industry Association (IBIA) says that a survey of its members, which asked if IBIA should bring transitional issues associated with a 2020 global 0.50 percent sulfur limit to the attention of the International Maritime Organization's (IMO's) Marine Environmental Protection Committee (MEPC), showed that slightly more than 85 percent believe IBIA should put forth a submission to MEPC.

Concerns grow about environmental impact of ship noise emissions. *Marine Propulsion* [Online]. 11 August 2016. Available from: http://www.mpropulsion.com/news/view.concerns-grow-about-environmental-impact-of-ship-noise-emissions_44109.htm The problems caused by noise and vibration have been well documented for many years, not only in respect of crew and passenger comfort but also in terms of the impact of noise pollution on the marine environment.

Great Australian Bight oil rigs would significantly increase spill risk – report.

By Michael Slezak. *The Guardian* [Online]. 15 August 2016. Available from: <https://www.theguardian.com/environment/2016/aug/15/great-australian-bight-oil-rigs-would-significantly-increase-spill-risk-report> South Australian planning department says increased risk would come not only from oil rigs themselves but from subsequent increase in marine traffic.

Fight back against marine debris. **By Senator Cory Booker.** *Ocean Conservancy* [Online]. 18 August 2016. Available from: <http://blog.oceanconservancy.org/2016/08/18/fight-back-against-marine-debris/> Every 60 seconds, what amounts to roughly a garbage truck full of plastic makes its way into the ocean.

'Less empty container movement will cut CO2'. **By Ben Kritz.** *Manila Times* [Online]. 19 August 2016. Available from: <http://www.manilatimes.net/less-empty-container-movement-will-cut-co2/280838/> Finding more efficient ways to utilize empty shipping containers to limit their movement around the globe will significantly lower CO2 and other green-house gas emissions, the head of a major intermodal firm said.

Plastic pollution: which two oceans contain the most? *World Economic Forum* [Online]. 22 August 2016. Available from: <https://www.weforum.org/agenda/2016/08/plastic-pollution-which-oceans-contain-most> According to the most comprehensive study undertaken so far, there are 5 trillion pieces of plastic floating in the sea.

Swedish Government orders study on NOx ECA impacts. *Ship & Bunker* [Online]. 24 August 2016. Available from: <http://shipandbunker.com/news/emea/609143-swedish-government-orders-study-on-nox-eca-impacts> The Swedish Government says it will investigate the impacts that a nitrogen oxide (NOx) emission control area (ECA), or NECA, in the Baltic and North Seas will have on Swedish industry, Green4Sea reports.

Jordan says Aqaba oil leak under control while Israelis watch for damage.

By Melanie Lidman. *Times of Israel* [Online]. 24 August 2016. Available from: <http://www.timesofisrael.com/jordan-says-aqaba-oil-leak-under-control-while-israelis-watch-for-damage/> Officials in Amman downplay extent of spill, but ecologists caution of clean-up's potential harm to coral reef ecosystem.

HEALTH

Trauma at sea: How a maritime charity is supporting the world's seafarers through crises.

Sorted Magazine [Online]. 9 August 2016. Available from:

<http://www.sortedmagazine.men/portfolio/trauma-at-sea/> Being kidnapped is not something most people think about when they go about their daily work, but for seafarers, the recent upward trend of kidnap for ransom is a very real concern.

Steamship Mutual sponsors Wellness module. *Sailors' Society* [Online]. 9 August 2016.

Available from: <https://www.sailors-society.org/about-us/press-room/steamship-mutual/>

Steamship Mutual, one of the largest and most diverse P&I Clubs in the world, has sponsored the physical wellness module of Sailors' Society's Wellness at Sea coaching programme to help improve seafarers' health and fitness.

HEALTH AND SAFETY

On the job: Ports need to weigh up the pros and cons of different shift lengths.

By Martin Rushmere. *Port Strategy* [Online]. 3 August 2016. Available from:

<http://www.portstrategy.com/xporttoprint/extra/operations-shift-management> A matrix of the working schedules of eight-hour versus 12-hour shifts very quickly shows, assuming the common industry standard of a four-crew rotation, that in principle, workers on a 12-hour rotation enjoy 273 full days rest compared with 180 days for those on the eight-hour pattern.

IMO

IMO's maritime security work highlighted. By Aiswarya Lakshmi. *MarineLink.Com* [Online].

4 August 2016. Available from: <http://www.marinelink.com/news/highlighted-maritime413444.aspx>

Recent security exercises in the English Channel involving military personnel on board ships have sparked heightened media interest in maritime security in the region.

Bigger picture suggests effects of IMO emission efforts are counter productive.

By Dr Haakon-Elizabeth Lindstad, Norwegian Marine Technology Research Institute.

TradeWinds [Online]. 4 August 2016. Available from:

<http://www.tradewindsnews.com/weekly/771442/bigger-picture-suggests-effects-of-imo-emission-efforts-are-counter-productive> Reducing SOx and NOx emissions results in increased CO2 to the air, and this paradox needs to be addressed by regulators.

IMO's new container policy: Dilemma of Nigerian shippers. By Francis Ugwoke. *This Day (Nigeria)* [Online]. 7 August 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/08/07/imos-new-container-policy-dilemma-of-nigerian-shippers/>

Nigerian shippers appear to be in dilemma over a safety measure known as the container weight verification policy for all export shipment introduced by the International Maritime Organisation (IMO) as they have to pay additional cost for the service.

RSIS and MPA appoint Mr Koji Sekimizu as Distinguished Visiting Fellow.

Maritime and Port Authority of Singapore (MPA) [Online]. 23 August 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/e2e17d5d-654e-4dfc-b22b-d70c434c98a8> The S. Rajaratnam School of International Studies (RSIS) and the Maritime and Port Authority of Singapore (MPA) have appointed former Secretary-General of the International Maritime Organization (IMO), Mr Koji Sekimizu, as a RSIS-MPA Distinguished Visiting Fellow for a period of two years commencing on 1 May 2016.

LAW AND POLICY

Indonesia to sink scores of boats in fishing fight. *Bangkok Post* [Online]. 1 August 2016.

Available from: <http://www.bangkokpost.com/news/asia/1050121/indonesia-to-sink-scores-of-boats-in-fishing-fight> Indonesia will sink up to 71 impounded foreign boats this month on its Independence Day, a minister said Monday, ramping up a campaign to deter illegal fishing in its vast waters.

Gov't suspends commercial fishing in Scarborough. By Genalyn D. Kabiling and Roy C. Mabasa. *Manila Bulletin* [Online]. 4 August 2016. Available from:

<http://www.mb.com.ph/govt-suspends-commercial-fishing-in-scarborough/> Filipino fishermen are advised to temporarily avoid fishing in disputed areas in the West Philippine Sea/South China Sea, particularly in Scarborough Shoal (Bajo de Masinloc/Panatang Shoal), until the issue of fishing rights has been cleared through bilateral talks with China.

Cities rush to join climate drive after Paris Agreement. By Megan Darby. *Climate Home* [Online]. 4 August 2016. Available from: <http://www.climatechangenews.com/2016/08/04/cities-rush-to-join-climate-drive-after-paris-agreement/> Non-profit CDP reports 533 cities are sharing their climate plans, an increase of 70% since 2015.

Paris climate deal on cusp of entering into force this year. By Megan Darby.

Climate Home [Online]. 5 August 2016. Available from: <http://www.climatechangenews.com/2016/08/05/paris-climate-deal-on-cusp-of-entering-into-force-this-year/> Momentum is building to kick start the UN pact in 2016, before Donald Trump can get his hands on the US presidency.

New Foresight project launched on the future of the sea. *UK Government* [Online].

3 August 2016. Available from: <https://www.gov.uk/government/news/new-foresight-project-launched-on-the-future-of-the-sea> The project will look at the important future trends, challenges and opportunities for the UK from the sea.

No new charges in ferry fire that killed 159 people [*Scandinavian Star*, 1990]. *The Local* (Norway) [Online]. 9 August 2016. Available from: <http://www.thelocal.no/20160809/no-new-charges-in-ferry-fire-that-killed-159-people> After two years of new investigations into the 1990 fire aboard the ship *Scandinavian Star* that killed 159 people, Norwegian police have concluded that there is no evidence that the fire was deliberately set by arsonists.

Australia's new ballast water management requirements. *The Standard Club* [Online].

8 August 2016. Available from: <http://goo.gl/JnHzTm> The Australian government has announced via the International Maritime Organisation (IMO) that from 16 June 2016, new requirements for ships engaged in international voyages will be enacted under the auspices of the 'Biosecurity Act 2015'.

UK government 'abandoned and betrayed' six former soldiers jailed in India.

By Josh Halliday. *The Guardian* [Online]. 7 August 2016. Available from:

<https://www.theguardian.com/uk-news/2016/aug/07/uk-government-abandoned-and-betrayed-six-former-soldiers-jailed-in-india>

Sister of Nick Dunn, one of men jailed for five years for carrying firearms while guarding commercial ship from pirates, urges Theresa May to intervene.

Angola, Cabo Verde sign agreement on maritime, port area. *Agencia Angola Press* [Online]. 6 August 2016. Available from: <http://goo.gl/eL4Jjk> The Maritime and Port Institute of Angola (IMPA) and the Maritime and Port Agency of Cabo Verde (AMP) signed, on Friday in Luanda, a technical cooperation agreement, in order to improve and streamline the priority areas and of common interest.

Formation of Transport Safety Investigation Bureau. *Ministry of Transport (Singapore)*

[Online]. 5 August 2016. Available from: [http://www.mot.gov.sg/News-](http://www.mot.gov.sg/News-Centre/News/2016/Formation-of-Transport-Safety-Investigation-Bureau/)

[Centre/News/2016/Formation-of-Transport-Safety-Investigation-Bureau/](http://www.mot.gov.sg/News-Centre/News/2016/Formation-of-Transport-Safety-Investigation-Bureau/) The Ministry of Transport (MOT) has restructured the Air Accident Investigation Bureau (AAIB) to form the new Transport Safety Investigation Bureau (TSIB) on 1 August 2016.

Bangkok Declaration will strengthen diplomacy to stem illegal fishing. *Antara News (Indonesia)* [Online]. 9 August 2016. Available from:

<http://www.antaraneews.com/en/news/106154/bangkok-declaration-will-strengthen-diplomacy-to-stem-illegal-fishing> Bangkok Declaration on combating illegal fishing, initiated by the ASEAN member countries and Japan, has strengthened Indonesian diplomacy at international level.

Master mariner is new STCWO chief as Marina steps up 'house-cleaning'. *Manila Bulletin*

[Online]. 10 August 2016. Available from: <http://www.mb.com.ph/master-mariner-is-new-stcwo-chief-as-marina-steps-up-house-cleaning/> Maritime Industry Authority (Marina) Administrator Dr. Marcial Quirico Amaro III announced the appointment of master mariner Captain Eleazar G. Diaz as the new executive director of Standards of Training, Certification and Watchkeeping Office (STCWO), replacing Captain Herminio P. Estaniel Jr.

Ships get relief from Piracy Insurance premium at Indian Ports. *Daily Shipping Times (India)*

[Online]. 10 August 2016. Available from: http://www.dailyshippingtimes.com/news-upload/upload/fullnews.php?fn_id=14644 Ships entering or leaving Indian ports are not required to pay a piracy-related additional insurance premium now, a move which will help thousands of the vessels.

Senior officers of Italian oil tanker admit concealing the discharge of oily waste at sea.

US Department of Justice [Online]. 11 August 2016. Available from:

<https://www.justice.gov/usao-nj/pr/senior-officers-italian-oil-tanker-admit-concealing-discharge-oily-waste-sea>

Two senior engineering officers employed by an Italian shipping company admitted today they deliberately concealed their vessel's discharge of oily waste into the sea, U.S. Attorney Paul J. Fishman announced.

Identifying threats to maximising potential in maritime sector. **By Olaseni Durojaiye.**

This Day (Nigeria) [Online]. 14 August 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/08/14/identifying-threats-to-maximising-potential-in-maritime-sector/>

Mulling diversification of the nation's economy, maritime industry operators insist the industry is capable of fetching the country huge foreign exchange and identified challenges that could scupper the realisation of the potential.

Inquiry into why cruise ship lost power with almost 4,500 on board in Irish Sea.

By Lorna Siggins. *Irish Times* [Online]. 14 August 2016. Available from:

<http://www.irishtimes.com/news/ireland/irish-news/inquiry-into-why-cruise-ship-lost-power-with-almost-4-500-on-board-in-irish-sea-1.2756027>

Bermudan authorities to publish findings, believed to be caused by electrical fault.

Why China's plan to build a new Silk Road runs through Singapore. *Bloomberg* [Online].

14 August 2016. Available from: <http://www.bloomberg.com/news/articles/2016-08-14/why-china-s-plan-to-build-a-new-silk-road-runs-through-singapore>

The venture underscores Singapore's potential as a gateway to Southeast Asia for China as President Xi Jinping seeks to export excess industrial capacity while building influence overseas.

Ministry of Shipping plans 160.64 Mega Watt renewable energy projects at major ports by 2017.

Government of India Ministry of Shipping [Online]. 11 August 2016. Available from:

<http://pib.nic.in/newsite/PrintRelease.aspx?relid=148737>

The Ministry of Shipping is keen to promote the use of renewable sources of energy and is in the process of installing solar and wind based power systems at all the Major Ports across the country.

UK P&I Club hits out at 'quirks' in the Philippine legal system. **By Sam Chambers.**

Splash 24/7 [Online]. 16 August 2016. Available from: <http://splash247.com/uk-pi-club-hits-quirks-philippine-legal-system/>

The UK P&I Club has hit out at the Philippine legal system's failure to look after one of the nation's key exports, namely its seafarers.

As global shippers unite against illegal shipping charges. **By Francis Ugwoke.** *Guardian*

(Nigeria) [Online]. 17 August 2016. Available from: <http://guardian.ng/business-services/as-global-shippers-unite-against-illegal-shipping-charges/>

Nigeria is currently facing economic crisis that has impacted negatively on trade.

Captain can modify claims over pirate attack. **By Jeff D. Gorman.**

Courthouse News Service (US) [Online]. 16 August 2016. Available from:

<http://www.courthousenews.com/2016/08/16/captain-can-modify-claims-in-pirate-attack.htm>

A captain whose Chevron supply ship was attacked by pirates can amend his lawsuit claiming that he was given an unseaworthy vessel, the Fifth Circuit ruled.

Fishermen seek damages over grounded oil rig exclusion zone. **By Laura Paterson.**

The Scotsman [Online]. 16 August 2016. Available from:

<http://www.scotsman.com/news/environment/fishermen-seek-damages-over-grounded-oil-rig-exclusion-zone-1-4204901>

Fishermen are to seek compensation for loss of earnings due to the exclusion zone around an oil rig grounded on the Western Isles.

Mapping Governance Gaps on the High Seas. *Pew Charitable Trusts* [Online].

17 August 2016. Available from: <http://www.pewtrusts.org/en/research-and-analysis/issue-briefs/2016/08/mapping-governance-gaps-on-the-high-seas>

A patchwork of international bodies and treaties manage ocean resources and human activity in areas beyond any state's national jurisdiction.

Korean company fined \$275,000 for second violation of The Act To Prevent Pollution From Ships.

US Department of Justice [Online]. 16 August 2016. Available from:

<https://www.justice.gov/usao-hi/pr/korean-company-fined-275000-second-violation-act-prevent-pollution-ships>

United States District Court Judge Leslie E. Kobayashi today accepted the guilty plea of Doorae Shipping Co., LTD, a South Korean maritime operations company, and sentenced the company to pay a fine of \$275,000, and a term of three years of probation for the failure to maintain an accurate oil record book, in violation of the Act to Prevent Pollution from Ships.

China and Africa's Illegal fishing problem: Beijing has an opportunity to be part of the solution. By Anthony Kleven. *The Diplomat* [Online]. 19 August 2016. Available from: <http://thediplomat.com/2016/08/china-and-africas-illegal-fishing-problem/> The ongoing disputes in the South China Sea are usually portrayed as being centered on China's brazen attempts to claim artificial islands and the waters surrounding them as extensions of its sovereign territory; rights to the 11 billion estimated barrels of oil beneath the sea; or access to the 5.3 trillion dollar trade that passes through it.

An ocean policy for the next president (whoever she may be). By David Helvarg, President, Blue Frontier. *Huffington Post* [Online]. 17 August 2016. Available from: http://www.huffingtonpost.com/david-helvarg/an-ocean-policy-for-the-n_b_11485696.html As I've reported in Sierra magazine, thirty-three years ago, President Ronald Reagan established the U.S. Exclusive Economic Zone (EEZ), stretching 200 miles out from our shores.

Updating the Philippine Merchant Marine Rules and Regulations (PMMRR) 1997. By Brenda V. Pimentel. *Manila Times* [Online]. 19 August 2016. Available from: <http://www.manilatimes.net/updating-the-philippine-merchant-marine-rules-and-regulations-pmmrr-1997/280837/> AT the stakeholders' consultation meeting convened by the Movement for Maritime Philippines on the crafting of a National Maritime Agenda, the demand resonates: Update the Philippine Merchant Marine Rules and Regulations.

Company directors, captains deny maritime regulatory breaches. By Ivan Martin. *Times of Malta* [Online]. 22 August 2016. Available from: <http://www.timesofmalta.com/articles/view/20160822/local/company-directors-captains-deny-maritime-regulatory-breaches.622793> Three company directors and two fishing boat captains today pleaded not guilty to maritime regulatory breaches.

Malaysian vessel, Singaporean passengers apprehended in Riau Islands. *Jakarta Post* [Online]. 22 August 2016. Available from: <http://www.thejakartapost.com/news/2016/08/22/malaysian-vessel-singaporean-passengers-apprehended-in-riau-islands.html> The Indonesian Navy's Western Fleet Quick Response (WFQR) team and Mapor patrol ship apprehended a Malaysian-flagged fishing vessel and arrested its Singaporean passengers for allegedly trespassing and fishing illegally in Bintan waters, Riau Islands, on Sunday.

South Korea installs anti-fishing reefs. *Maritime Executive* [Online]. 22 August 2016. Available from: <http://maritime-executive.com/article/south-korea-installs-anti-fishing-reefs> South Korea is emplacing a series of artificial reefs along its northwestern maritime boundary which are designed to foul the nets of trespassing Chinese fishing boats.

Mumbai oil spill: NGT orders Delta Shipping to pay Rs 100 cr. *Financial Express (India)* [Online]. 24 August 2016. Available from: <http://www.financialexpress.com/economy/mumbai-oil-spill-ngt-orders-delta-shipping-to-pay-rs-100-cr/355607/> The National Green Tribunal (NGT) on Tuesday asked Panama-based Delta Shipping Marine Services SA and its two Qatar-based sister companies to pay R100 crore as damages for the 2011 Mumbai oil spill.

Judgement: Oil spill from sunken ship *MV Rak* off the coast of Mumbai, 2011. *National Green Tribunal (India)* [Online]. 23 August 2016. Available from: <http://www.greentribunal.gov.in/Writereaddata/Downloads/24-2011%28PB-I-Judg%29OA23-8-2016.pdf> 

From ice law to ICE LAW. By Philip Steinberg and Kate Coddington. *Arctic Journal* [Online]. 25 August 2016. Available from: <http://arcticjournal.com/opinion/2533/ice-law-ice-law> Although the United Nations Convention on the Law of the Sea (Unclos) (United Nations 1982) is universally recognised as providing the fundamental governing framework for the ocean that lies at the centre of the Arctic region (eg Ilulissat Declaration 2008), only one of its 320 articles acknowledges that parts of the ocean are, for at least part of the year, not liquid.

Russian Gov't eases licensing rules for sea, inland shipping. *Port News* [Online]. 24 August 2016. Available from: <http://portnews.ru/news/225026/> Amendments to safety requirements intended to simplify considerably the licensing procedure of transportation of passengers, dangerous goods, of towing and cargo operations with dangerous goods by sea-going and inland waterway transport in Russia come into force as from 24 August 2016, the Ministry of Transport said in a press release.

Supporting maritime governance and safety management in Solomon Islands. *Secretariat of the Pacific Community (SPC)* [Online]. 26 August 2016. Available from: <http://www.spc.int/en/media-releases/2605-supporting-maritime-governance-and-safety-management-in-solomon-islands-.html> A Pacific Island programme aimed at improving and maintaining safety management on board domestic ships is currently under way in Honiara, Solomon Islands with assistance from the Pacific Community (SPC).

Establishment of the Katahdin Woods and Waters National Monument. *The White House* [Online]. 24 August 2016. Available from: <https://www.whitehouse.gov/the-press-office/2016/08/24/presidential-proclamation-establishment-katahdin-woods-and-waters>

MARINE TECHNOLOGY

One shipping company is ditching carbon emissions for hightech sailing. *Hellenic Shipping News* [Online]. 6 August 2016. Available from: <http://www.hellenicshippingnews.com/one-shipping-company-is-ditching-carbon-emissions-for-hightech-sailing/> Decked out with solar panels and battery generators, the ship, named the *Avantuur* ("Adventure" in Dutch), is the flagship of the company Timbercoast, which is working to combine old-world sailing with modern shipping to carry sustainable goods with a better conscience.

World's first ballast water port solution successfully completes. *Damen Shipyards Group* [Online]. 10 August 2016. Available from: http://www.damen.com/en/news/2016/08/worlds_first_ballast_water_port_solution_successfully_completes_tests During the shipboard tests, ballast water was taken in untreated and the efficacy of the technology was validated upon discharge.

Class is adopting drone technology. *Marine Propulsion* [Online]. 15 August 2016. Available from: http://www.mpropulsion.com/news/view.class-is-adopting-drone-technology_44151.htm Remote control drones and data analytic centres will change the way class societies conduct surveys and encourage owners to adopt smarter shipping.

New online trawler tracking tool aims to help end overfishing. *The Guardian* [Online]. 18 August 2016. Available from: <https://www.theguardian.com/environment/2016/aug/18/new-online-trawler-tracking-tool-aims-to-help-end-overfishing> Developers hope the tool, that enables anyone with internet access to track fishing vessels worldwide, will create greater transparency in the oceans.

Oil spill response planning aided by new calculators.

US Bureau of Safety and Environmental Enforcement (BSEE) [Online]. 17 August 2016. Available from: <https://www.bsee.gov/newsroom/latest-news/statements-and-releases/press-releases/oil-spill-response-planning-aided-by-new> The Bureau of Safety and Environmental Enforcement (BSEE) announced the release of four new oil spill response calculators today as part of an ongoing effort to improve future clean-up efforts.

Recent visit to BWMS testing facility gives insight into procedures, challenges.

By Katie Braynard. *US Coast Guard Maritime Commons* [Online]. 15 August 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/08/15/recent-visit-bwms-testing-facility-ballast-water/> As independent labs across the U.S. continue to test ballast water management systems for U.S. type-approval, the U.S. Coast Guard remains fully invested in the process and future of these systems and looks forward to the approval of a U.S. type-approved system that meets the standards of the ballast water regulations.

An electronic oil record book helps avoid violations. By Christian Mollitor.

Tanker Shipping & Trade [Online]. 19 August 2016. Available from: http://www.tankershipping.com/news/view_an-electronic-oil-record-book-helps-avoid-violations_44234.htm In partnership with Prevention at Sea Ltd, a Cyprus-based maritime compliance technology company, the Liberian Registry has launched an innovative software product designed to replace traditional ORBs.

Harris Pye engaged in scrubber installations for several cruise ships.

Seatrade Cruise News [Online]. 19 August 2016. Available from: <http://www.seatrade-cruise.com/news/news-headlines/harris-pye-engaged-in-scrubber-installations-for-several-cruise-ships.html> The Harris Pye Engineering Group informs it is currently engaged in turnkey scrubber installation packages for several cruise ships.

Clever car racking & intelligent software combine to double number of cars in shipping containers.

University of Warwick (UK) [Online]. 25 August 2016. Available from: http://www2.warwick.ac.uk/newsandevents/news/clever_car_racking/ Shipping cars could be safer and more efficient than ever before, thanks to innovative solutions developed by WMG at the University of Warwick for Trans-Rak International (TRI).

MARITIME SAFETY

Latest North Korea missile launch lands near Japan waters, alarms Tokyo.

By Ju-min Park and James Pearson. *Reuters* [Online]. 3 August 2016. Available from: <http://www.reuters.com/article/us-northkorea-missile-idUSKCN10D2Q8> North Korea launched a ballistic missile on Wednesday that landed in or near Japanese-controlled waters for the first time, the latest in a series of launches by the isolated country in defiance of United Nations Security Council resolutions.

Nautilus backs boost of at-sea fire fighting resources.

Nautilus International [Online]. 10 August 2016. Available from: <https://www.nautilusint.org/en/what-we-say/nautilus-news/nautilus-backs-boost-of-at-sea-fire-fighting-resources/> Nautilus International is urging the UK government to reverse cuts to at-sea fire-fighting services, after new research revealed that ship fires are the biggest threat to safety in European waters.

Group offers to safeguard Niger Delta waterways. By Olugbenga Adanikin. *The Nation (Nigeria)* [Online]. 15 August 2016. Available from: <http://thenationonline.net/group-offers-safeguard-niger-delta-waterways/> A group of volunteers, the Nigerian Merchant Navy Coastal Defence Force has petitioned the Federal Government to voluntarily help secure waterways in the Niger Delta region.

PH welcomes JICA's support to maritime safety. *Philippine Information Agency* [Online]. 19 August 2016. Available from: <http://news.pia.gov.ph/article/view/241471513124> The Philippines welcomed the assistance of the Japan International Cooperation Agency (JICA) to the country's maritime safety with the arrival of "Tubbataha", the first of the ten 40-meter Multi-Role Response Vessels (MRRVs) for the Philippine Coast Guard (PCG).

Safety alert – Auto-pilot induced casualties. By Katie Braynard. *US Coast Guard Maritime Commons* [Online]. 16 August 2016. Available from: <http://mariners.coastguard.dodlive.mil/2016/08/16/safety-alert-auto-pilot-induced-casualties/> The Coast Guard issued safety alert 10-16 to address the safe navigation of vessels with auto-pilot engaged. [Safety Alert 10-16](#) 

MARITIME SECURITY

French armed forces begin Newhaven ferry operations. *Sussex Express (UK)* [Online]. 3 August 2016. Available from: <http://www.sussexexpress.co.uk/news/french-armed-forces-begin-newhaven-ferry-operations-1-7509544> French armed forces could begin operating on the Newhaven to Dieppe ferry line, as authorities step up security in the English Channel.

Merchant fleet remain on Red Sea alert despite piracy false alarm. By Kent Gray. *Seatrade Maritime News* [Online]. 2 August 2016. Available from: <http://www.seatrade-maritime.com/news/merchant-fleet-on-alert-after-red-sea-piracy-attack.html> Ships transiting the Red Sea have been cautioned to remain vigilant despite a reported piracy attack north of the Bab-el-Mandeb Strait recently turning out to be false alarm.

Defence ministers agree to enhance maritime security. *FMT News (Malaysia)* [Online]. 2 August 2016. Available from: <http://www.freemalaysiatoday.com/category/nation/2016/08/02/defence-ministers-agree-to-enhance-maritime-security/> Malaysia, Indonesia and the Philippines will look into a higher level of intelligence-sharing as well as trilateral maritime security exercises in shared maritime areas.

Sea marshals in security exercise on board Portsmouth to Caen ferry. *Southern Daily Echo (UK)* [Online]. 2 August 2016. Available from: <http://www.dailyecho.co.uk/news/14656025.Armed-sea-marshals-in-security-exercise-on-board-Hampshire-ferry/> The introduction of sea marshals on French cross-Channel vessels has come a step closer as armed personnel took part in a security exercise on a Hampshire-based ferry.

Saving Migrant Lives at Sea: Focus of Indonesia Maritime Security Workshops. *International Organization for Migration (IOM)* [Online]. 26 July 2016. Available from: <https://www.iom.int/news/saving-migrant-lives-sea-focus-indonesia-maritime-security-workshops> Maritime security and the protection of migrants at sea are the focus of three high level workshops in Indonesia this week - the latest in a series of collaborations between IOM and Coventry University's Centre for Trust, Peace and Social Relations (CTPSR).

Marseille ferry evacuated after suspected explosion. *Radio France Internationale (RFI)* [Online]. 1 August 2016. Available from: <http://en.rfi.fr/france/20160801-marseille-ferry-evacuated-after-suspected-explosion> A passenger ferry docked in the southern French port of Marseille was evacuated Sunday after an explosion was felt on board, with authorities investigating if it was caused by an old wartime bomb.

Championing maritime security at the African Union. *Institute for Security Studies (ISS)* [Online]. 28 July 2016. Available from: <https://www.issafrica.org/iss-spotlight/championing-maritime-security-at-the-african-union> 'Africa cannot afford to remain seablind'.

City asks Pokemon Go makers to remove pokestop from ferry terminal. **By Oliver Sachgau.** *The Star (Canada)* [Online]. 3 August 2016. Available from: <https://www.thestar.com/news/gta/2016/08/03/city-asks-pokemon-go-makers-to-remove-pokestop-from-ferry-terminal.html> Hundreds of people have been camped out almost 24 hours a day at the park by the terminal, hunting for virtual pocket monsters on their phone.

Kidnappings continue amid security talks. By Haeril Halim. *Jakarta Post* [Online]. 8 August 2016. Available from: <http://www.thejakartapost.com/news/2016/08/08/kidnappings-continue-amid-security-talks.html> Another Indonesian has fallen victim to kidnapping by armed militants off the coast of Sabah, as top officials in Indonesia, Malaysia and the Philippines continue to discuss the technicalities regarding the implementation of a maritime accord to secure the Sulu Sea, signed during a trilateral forum in Bali last week.

With recent terrorist attacks throughout the world, is it time for Southampton's port to have armed guards? By Felix Morris. *Southern Daily Echo (UK)* [Online]. 7 August 2016. Available from: http://www.dailyecho.co.uk/news/14666077.Could_Southampton_s_port_see_armed_guards_p_atrolling_it/ Hundreds of cruise ships, container carriers and ferries come and go from the port each week, but how safe is it and does it leave Southampton vulnerable to terrorists?

MP calls for new Sea Marshal force to protect British ferry passengers. By Laura Hughes. *The Telegraph* [Online]. 9 August 2016. Available from: <http://www.telegraph.co.uk/news/2016/08/09/mp-calls-for-new-sea-marshal-force-to-protect-british-ferry-pass/> British ferry passengers should be protected by a new Sea Marshal force to prevent people trafficking across the Channel, a Conservative MP has demanded.

Boosting nation's maritime security. By Hariz Mohd. *New Straits Times Online (Malaysia)* [Online]. 9 August 2016. Available from: <http://www.nst.com.my/news/2016/08/164160/boosting-nations-maritime-security> The capability of the Malaysian Maritime Enforcement Agency (MMEA) in protecting the nation's maritime security from both criminal and terror threats is set to improve exponentially.

Suicide rammings off Europe's coasts: A viable threat. *Maritime Journal* [Online]. 10 August 2016. Available from: <http://www.maritimejournal.com/news101/security-and-alarm-systems/suicide-rammings-off-europes-coasts-a-viable-threat> According to Allan & Associates, a Hong Kong-headquartered security risk management consultancy, the maritime dimension is often overlooked when assessing the risk of Islamist extremism in southern Europe.

Italy raises security level at tourist ports – coastguard. By Steve Scherer. *Reuters* [Online]. 11 August 2016. Available from: <http://uk.reuters.com/article/uk-italy-security-ports-idUKKCN10M1UX> Italy raised the security level at its tourist ports on Thursday, a coastguard spokesman said, meaning intensified controls of people and vehicles during the height of the summer tourist season.

Security and safety vital in Seas off Malaysia. *International Maritime Rescue Federation* [Online]. 11 August 2016. Available from: <http://international-maritime-rescue.org/10-news/2192> Security and safety in the Straits of Malacca and the South China Sea is vital to the economic welfare of the country and well managed response and co-ordination is vital during mass rescue operations.

Pokemon players interfere with ferry operations. *Maritime Executive* [Online]. 11 August 2016. Available from: <http://maritime-executive.com/article/pokemon-players-interfere-with-ferry-operations> Transportation officials from Washington to Cornwall are trying to figure out how to deal with problems created by Pokemon Go players, some of whom are breaching security or obstructing traffic on passenger ferries and at ferry terminals.

Togo sees launching of African journalists network for maritime security. *News Ghana* [Online]. 14 August 2016. Available from: <https://www.newsghana.com.gh/togo-sees-launching-of-african-journalists-network-for-maritime-security/> Togolese Minister of Communication Guy Madje Lorenzo, during launching ceremony, said the network initiative will help African populations appropriate the spirit of African Union summit on maritime piracy issues and the blue economy in Africa scheduled to be held in October this year in Lome.

Hundreds of merchant ships continue to visit Crimea. *Maritime Executive* [Online]. 17 August 2016. Available from: <http://maritime-executive.com/article/hundreds-of-merchant-ships-continue-to-visit-crimea> The investigative consortium Organized Crime and Corruption Reporting Project (OCCRP) says that two years after Russian forces occupied the Crimean peninsula, and long after the introduction of measures to block trade with the breakaway state, hundreds of commercial vessels continue to call at Sevastopol and other Crimean ports.

Maritime security exercise involving nine countries begins on Monday. By Jeremy Koh. *Straits Times* [Online]. 22 August 2016. Available from: <http://www.straitstimes.com/singapore/maritime-security-exercise-involving-nine-countries-starts-in-singapore-on-monday> A maritime security exercise that brings together nine countries including the United States began in Singapore on Monday (Aug 22).

Amsterdam beefs up river cruise security. *Seatrade Cruise News* [Online]. 22 August 2016. Available from: <http://www.seatrade-cruise.com/news/news-headlines/amsterdam-beefs-up-river-cruise-security.html> Port of Amsterdam is working to improve the security of river cruise vessels and passengers at Western Europe's leading turnaround point for river cruises.

Mediterranean rescue boat hit in armed raid off Libyan coast. By Patrick Kingsley. *The Guardian* [Online]. 25 August 2016. Available from: <https://www.theguardian.com/world/2016/aug/25/msf-mediterranean-bourbon-argos-armed-raid-libya-coast> An unidentified armed group shot at and raided a European rescue boat off the coast of Libya, it has emerged, raising questions over the viability of refugee rescue operations in the southern Mediterranean.

Weekly Maritime Security Report 24 Aug 2016. *Protection Vessels International* [Online]. 24 August 2016. Available from: <https://www.pviltid.com/news-insight/news/article/weekly-maritime-security-report-24-aug-2016.html> Indonesia: Authorities deny hijack of oil tanker after disappearance near Batam 17 August.

Central Mediterranean: MSF condemns attack on rescue vessel. *Médecins Sans Frontières (MSF)* [Online]. 25 August 2016. Available from: <http://www.msf.org/en/article/central-mediterranean-msf-condemns-attack-rescue-vessel> On 17 August 2016, while conducting search and rescue operations off the Libyan coast, the MSF rescue vessel *Bourbon Argos* was approached and attacked by a group of armed men onboard an unidentified speedboat.

Navy patrol ship fires warning shots amid series of confrontations with Iranian vessels. By Missy Ryan and Thomas Gibbons-Neff. *Washington Post* [Online]. 25 August 2016. Available from: <https://www.washingtonpost.com/news/checkpoint/wp/2016/08/25/u-s-navy-calls-high-speed-approach-by-iranian-ships-dangerous-harassment/> Iranian naval vessels veered close to American warships this week in a series of incidents that American officials described as harassing maneuvers risking dangerous escalation, defense officials said Thursday.

MARITIME TRAINING

Maritime training facility opens in Lagos. *This Day (Nigeria)* [Online]. 5 August 2016. Available from: <http://www.thisdaylive.com/index.php/2016/08/05/maritime-training-facility-opens-in-lagos/> A modern maritime training facility has berthed in Lagos with a promise to address the capital flight associated with overseas training of manpower required for the maritime industry over the years.

Can simulators prepare you for life at sea? Pilot study says yes—in certain areas. *Australian Maritime College* [Online]. 4 August 2016. Available from: <https://www.amc.edu.au/news/amc/can-simulators-prepare-you-life-sea-pilot-study-says-yes%E2%80%9494-certain-areas> Dedicated training vessels—operational ships that are solely used for training purposes—are ideal but, with operational costs as high as \$10,000 a day, they can be prohibitively expensive.

The gap between education and training of cadets – survey to inform round table discussion. *Society of Maritime Industries* [Online]. 4 August 2016. Available from: <http://www.maritimeindustries.org/Member-News/the-gap-between-education-and-training-of-cadets--survey-to-inform-round-table-discussion> The IMarEST, together with Bernhard Schulte Shipmanagement (BSM) Singapore, is holding a high-level round table discussion to discuss the key issues surrounding cadet training and what the shipping sector needs from newly qualified personnel.

Launching of the Cyprus Maritime Academy. *Hellenic Shipping News* [Online]. 6 August 2016. Available from: <http://www.hellenicshippingnews.com/launching-of-the-cyprus-maritime-academy/>

CMI partners with Korean University to boost training. By Rochelle Williams. *Jamaica Information Service* [Online]. 8 August 2016. Available from: <http://jis.gov.jm/cmi-partners-korean-university-boost-training/> The Caribbean Maritime Institute (CMI) has forged a partnership with the Mokpo National Maritime University in Korea to strengthen its training programmes.

Maritime training system in India needs urgent reforms and changes. By Pankaj Bhargava. *Marine Insight* [Online]. 9 August 2016. Available from: <http://www.marineinsight.com/careers-2/maritime-training-system-in-india-needs-urgent-reforms-and-changes/> Couple of years back, I found one ordinary seaman and deck cadet smoking near the break of accommodation, while the ship was loading a cargo of Naphtha, a highly volatile cargo.

Boarding Program – Maritime Cadets. *Hellenic Shipping News* [Online]. 11 August 2016. Available from: <http://www.hellenicshippingnews.com/boarding-program-maritime-cadets/> It is well known the serious problem faced by Nautical Cadets in the absence of places in ships to make their mandatory "training period at sea" and, therefore, unable to access the professional world.

New course launched in response to the IMO Ballast Water Management Convention.

By Malcolm Latache. *ShipInsight* [Online]. 11 August 2016. Available from:

<https://www.shipinsight.com/new-course-launched-in-response-to-the-imo-ballast-water-management-convention/>

A new two-day course has been launched by Warsash Maritime Academy, part of Southampton Solent University, in response to the imminent ratification of the IMO Ballast Water Management Convention (2004).

CSA situational awareness and predictive analysis course well received.

Caribbean Shipping Association (CSA) [Online]. 11 August 2016. Available from:

<http://www.caribbeanshipping.org/index.php/news/174>

With increasing levels of terrorist activity globally, the security of the world economy is said to depend to large extent on the safe use of the world's oceans.

MARACAD 2016 speakers identify training targets.

Ship Management International [Online]. 16 August 2016. Available from:

<http://shipmanagementinternational.com/maracad-2016-speakers-identify-training-targets/>

MARACAD 2016, the international maritime academic conference and expo, will be held for the second time on 20th September 2016 at the Dubai World Trade Centre.

ABB's Marine Academy launches arctic course in response to strong demand.

ABB [Online]. 16 August 2016. Available from:

<http://www.abb.com/cawp/seitp202/15f00ae8d1352fb2c125801000735d33.aspx>

ABB has launched a new arctic course for deck officers in response to strong demand from the ice-going vessel segment.

Stakeholders strike discordant tune with FG on maritime university.

By Josephine Ehusani. *Nigerian Pilot* [Online]. 18 August 2016. Available from:

<http://nigerianpilot.com/stakeholders-strike-discordant-tune-fg-maritime-university/>

Amid speculations that the federal government would in the next couple of days declare the Maritime Academy of Nigeria, Oron, a degree awarding institution or maritime university, stakeholders in the maritime industry have called for caution.

To become logistics hub, SL needs to develop human capital: Maritime professionals.

By Himal Kotelawala. *Daily FT (Sri Lanka)* [Online]. 22 August 2016. Available from:

<http://www.ft.lk/article/562812/To-become-logistics-hub--SL-needs-to-develop-human-capital--Maritime-professionals>

If Sri Lanka is to achieve its goal of becoming a global logistics and maritime hub, the Government must introduce trade and transport as a subject at school and university levels and the industry must help remove any stigma associated with working in logistics, a panel of maritime professionals said last week.

SLASPA facilitates regional maritime information training seminar.

St. Lucia Times [Online]. 19 August 2016. Available from:

<http://stluciatimes.com/2016/08/19/slaspa-facilitates-regional-maritime-information-training-seminar%E2%80%8F>

The Saint Lucia Air and Sea Ports Authority (SLASPA) Division of Maritime Affairs in collaboration with the International Hydrographic Organization (IHO) and MESO American & Caribbean Sea Hydrographic Commission (MACHC) Capacity Building Work Programme conducted a Regional Maritime Safety Information (MSI) Training Seminar from August 16th to 18th August, 2016.

Caribbean Maritime Institute expands programme options.

Jamaica Observer [Online]. 22 August 2016. Available from:

<http://www.jamaicaobserver.com/news/Caribbean-Maritime-Institute-expands-programme-options>

The Caribbean Maritime Institute (CMI) will be expanding its curricula and programme options with its engineering department, to be launched soon.

MIGRANTS

U.N. Deadlocked Over Draft Agreement on Refugees and Migrants. By Somini Sengupta.

New York Times [Online]. 1 August 2016. Available from:

<http://www.nytimes.com/2016/08/02/world/americas/un-united-nations-refugees-migrants.html>

More people are forcibly displaced from their homes today than at any time since the end of the Second World War.

Europe-wide failure to anticipate and tackle "colossal" migration crisis. UK Parliament

[Online]. 3 August 2016. Available from:

<http://www.parliament.uk/business/committees/committees-a-z/commons-select/home-affairs-committee/news-parliament-2015/migration-crisis-report-published-16-17/>

After a year-long inquiry, the Home Affairs Committee says EU action to address a crisis it should have foreseen has been "too little, too late", with the EU-Turkey agreement a partial solution at best which raises serious humanitarian, human rights, logistical and legal concerns. [Report: Migration Crisis](#) 

[Report: Migration Crisis](#)

Worldwide Migrant Deaths Top 4,000; Mediterranean Deaths Pass 3,100.

International Organization for Migration (IOM) [Online]. 2 August 2016. Available from:

<http://www.iom.int/news/worldwide-migrant-deaths-top-4000-mediterranean-deaths-pass-3100>

IOM reports today that its Missing Migrants Project has totaled 4,027 migrant or refugee deaths thus far in 2016.

USS Carney Rescues 97 Migrants in Mediterranean. By Joseph R. Fonseca.

MarineLink.Com [Online]. 31 July 2016. Available from:

<http://www.marinelink.com/news/mediterranean-migrants413267.aspx> The Arleigh Burke-class guided-missile destroyer USS Carney (DDG 64) aided in the rescue of 97 migrants adrift in the Mediterranean Sea, July 29.

Three men jailed in two cases of smuggling Albanians into the UK. BBC News [Online].

29 July 2016. Available from: <http://www.bbc.co.uk/news/uk-england-36921682>  Two men have each been jailed for more than four years for smuggling 18 Albanian migrants into the UK.

LE James Joyce Rescues a Total of 433* Migrants . Defence Forces Ireland [Online].

29 July 2016. Available from: <http://goo.gl/8K0dWP>  Earlier today, following a request from the Italian Maritime Rescue Co-Ordination Centre, the *LE James Joyce* successfully located and rescued a further 278* migrants from a rubber craft 40 Nautical Miles NW of Tripoli.

Libya Coast Guard reports over 10K migrants rescued up to July 2016. By Sami Zaptia.

Libya Herald [Online]. 5 August 2016. Available from:

<https://www.libyaherald.com/2016/08/05/libya-coast-guard-reports-over-10k-migrants-rescued-up-to-july-2016/>

The Libyan Coast Guard (LCG) has reported that 10,246 migrants were rescued off the Libyan coast up to 28 July in 47 different maritime incidents, according to an IOM Libya Migration and Assistance report published last week.

U.S. Coast Guard intercepts boat with migrants off Key Biscayne. By Oralía Ortega.

CBS Miami [Online]. 9 August 2016. Available from:

<http://miami.cbslocal.com/2016/08/09/boat-with-migrants-spotted-off-key-biscayne/> 

Chopper4 was over the scene as a U.S. Coast Guard vessel approached a group of Cuban migrants aboard a makeshift sailboat spotted off Key Biscayne.

Migrant arrivals on Mediterranean reach 263,636; Deaths at sea: 3,176.

International Organization for Migration (IOM) [Online]. 8 August 2016. Available from: <https://www.iom.int/news/migrant-arrivals-mediterranean-reach-263636-deaths-sea-3176>
IOM reports that 263,636 migrants and refugees entered Europe by sea in 2016 through 7 August, arriving mostly in Greece and Italy. Italy saw 24,000 migrants and refugee arrivals during the month of July.

INTERVIEW: UN senior advisor discusses blueprint to strengthen global responses for refugees and migrants.

United Nations [Online]. 9 August 2016. Available from: <https://refugeesmigrants.un.org/interview-un-senior-advisor-discusses-blueprint-strengthen-global-responses-refugees-and-migrants> Following five months of negotiations, United Nations Member States agreed on 2 August by consensus upon a political declaration that will serve as the basis for discussions and the outcome of the first-ever UN Summit on Addressing Large Movements of Refugees and Migrants which will be held, on 19 September, at UN Headquarters in New York.

Rescue ship from the Dutch Boat Refugee Foundation en route to Malta to save migrants.

The Independent (Malta) [Online]. 11 August 2016. Available from: <http://www.independent.com.mt/articles/2016-08-11/local-news/Rescue-ship-from-the-Dutch-Boat-Refugee-Foundation-en-route-to-Malta-to-save-migrants-6736162236> The vessel, the *Golfo Azzurro*, is the first boat from the Dutch voluntary organisation to be deployed in the Mediterranean.

'Let's build bridges, not walls,' says UN chief, urging all countries to help refugees and migrants.

UN News Centre [Online]. 11 August 2016. Available from: <http://www.un.org/apps/news/story.asp?NewsId=54665> Encouraging young refugees gathered for an event at resettlement centre in Los Angeles to "study hard [and] be a full part of your new communities," United Nations Secretary-General Ban Ki-moon urged the United States and other countries to keep reaching out to people in need, wherever they are, because "we will all be stronger" by building bridges instead of walls.

Europe/Mediterranean - Migration Crisis Response Situation Report 11 August 2016.

International Organization for Migration (IOM) [Online]. 12 August 2016. Available from: <http://www.iom.int/sitreps/europemediterranean-migration-crisis-response-situation-report-11-august-2016> [Report](#) 

Migrant arrivals on Mediterranean reach 264,513, deaths at sea: 3,151.

International Organization for Migration (IOM) [Online]. 12 August 2016. Available from: <http://www.iom.int/news/migrant-arrivals-mediterranean-reach-264513-deaths-sea-3151>
IOM reports that 264,513 migrants and refugees entered Europe by sea in 2016 through 11 August, arriving mostly in Greece and Italy.

Rescue boat medic: "The people we save at sea get a second life". By Caroline Haga.

International Federation of Red Cross and Red Crescent Societies (IFRC) [Online]. 16 August 2016. Available from: <http://www.ifrc.org/en/news-and-media/news-stories/europe-central-asia/italy/rescue-boat-medic-the-people-we-save-at-sea-get-a-second-life-72425/>
Seasoned Swiss nurse Nicole Rähle is part of the first Italian Red Cross medical team on board the ship rescue *Responder*, which left Malta last week to begin its life saving mission in the Mediterranean.

Spain rescues 50 migrants drifting between south coast and Morocco.

By Angus Berwick. *Reuters* [Online]. 17 August 2016. Available from:

<http://www.reuters.com/article/us-europe-migrants-spain-idUSKCN10S1C4> Spanish authorities said on Wednesday they had rescued 50 migrants from Morocco and sub-Saharan Africa who were found the day before drifting in two boats off Spain's Mediterranean coast.

Death in the Mediterranean: Two Syrian children among 5 bodies recovered and hundreds more rescued through joint MOAS – Red Cross mission.

Migrant Offshore Aid Station (MOAS) [Online]. 19 August 2016. Available from:

<https://www.moas.eu/death-mediterranean-two-syrian-children-among-5-bodies-recovered-hundreds-rescued-joint-moas-red-cross-mission/> 🕯️ Two Syrian girls, aged 8 month and 5

years, are among the five bodies recovered yesterday morning in the Mediterranean Sea after a small wooden boat capsized some 22 nautical miles off the coast of Libya.

Rescuing refugees: 'You never get used to it – and that's a good thing'. By Anna Leach.

The Guardian [Online]. 22 August 2016. Available from:

<https://www.theguardian.com/careers/2016/aug/22/rescuing-refugees-you-never-get-used-to-it-and-thats-a-good-thing> Since the beginning of the year, 3,000 people have died in the Mediterranean Sea trying to cross into Europe.

Rescued migrants arrive at Augusta, Sicily on board navy ship. *Euronews* [Online].

21 August 2016. Available from: <http://www.euronews.com/2016/08/21/rescued-migrants-arrive-at-augusta-sicily-on-board-navy-ship> Seven operations between Libya and Sicily picked up 576 people in the Mediterranean Sea over the weekend.

Mediterranean Migrant Arrivals Reach 269,244; Deaths at Sea: 3,164.

International Organization for Migration (IOM) [Online]. 23 August 2016. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-269244-deaths-sea-3164> IOM reports that 269,244 migrants and refugees entered Europe by sea in 2016 through 21 August, arriving mostly in Greece and Italy, where 104,141 migrants or refugees have arrived during 2016.

Refugee who made it returns with drone to halt drownings. By Iliana Mier. *Ekathimerini* (Greece) [Online]. 24 August 2016. Available from:

<http://www.ekathimerini.com/211426/article/ekathimerini/community/refugee-who-made-it-returns-with-drone-to-halt-drownings> Far from being a hobby flight, this is a project to save the lives of drowning refugees, designed by a 33-year-old Afghan who was once one of them.

These crossings are nothing but fatal. By Moni Basu. *CNN* [Online]. 26 August 2016.

Available from: <http://edition.cnn.com/interactive/2016/08/world/dangerous-migrant-crossings-mediterranean/> 🕯️ The moon is but a faint sliver on this early July morning and, without its glow, sky and sea meld into a darkness so deep that before John Hamilton can clearly see the people he has come to save, he can smell them.

Europe/Mediterranean - Migration Crisis Response Situation Report 25 August 2016.

International Organization for Migration (IOM) [Online]. 25 August 2016. Available from:

<https://www.iom.int/sitreps/europemediterranean-migration-crisis-response-situation-report-25-august-2016>

Six suspected migrants found in boat in English Channel. *Sky News* [Online].

25 August 2016. Available from: <http://news.sky.com/story/six-suspected-migrants-found-in-boat-in-english-channel-10551176> A helicopter and coastguard boat are scrambled at dawn to intercept the vessel off the Kent coast and find six men on board.

NAVIGATION AND COMMUNICATIONS

GALANT against jamming and spoofing - suppression of interference and decoy signals at sea. *DL German Aerospace Centre* [Online]. 1 August 2016. Available from: http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10081/151_read-18822 Ships can be led astray with fake GPS signals.

LuxSpace and ORBCOMM awarded with multi-year contract by European Maritime Safety Agency. *ORBCOMM* [Online]. 1 August 2016. Available from: <http://www.orbcomm.com/en/company-investors/news/2016/LuxSpace-ORBCOMM-awarded-multi-year-contract-by-European-Maritime-Safety-Agency> Today LuxSpace Sàrl, an affiliate of OHB SE (Prime Standard, ISIN: DE0005936124), and its partner, ORBCOMM Inc. (Nasdaq: ORBC), announced the award of a four-year satellite Automatic Identification System (AIS) data service framework contract with the European Maritime Safety Agency (EMSA).

Uncovering what lies beneath. *European Space Agency (ESA)* [Online]. 1 August 2016. Available from: http://www.esa.int/Our_Activities/Space_Engineering_Technology/TTP2/Uncovering_what_lies_beneath A key feature of the James Webb Space Telescope is helping to shed light on what goes on underneath boats in stormy weather and around the structures of offshore oil rigs.

Iridium: story of a communications solution no one listened to. By Doug Millard. *New Scientist* [Online]. 3 August 2016. Available from: <https://www.newscientist.com/article/mg23130850-700-iridium-story-of-a-communications-solution-no-one-listened-to/> A space-faring real-life thriller shows that that global communication isn't the goldmine it seems – and the best technology doesn't always succeed.

Marlink and Telemar to join forces to create the world's leading maritime communications, digital solutions and servicing group. *MarineLink.Com* [Online]. 2 August 2016. Available from: <http://goo.gl/JSmd4z> Apax Partners creates a new maritime group to service customers with integrated offering of broadband communications, digital solutions, bridge electronics and on-board maintenance.

New satellite keeps eye on sea interests. By Zhao Lei. *China Daily.Com* [Online]. 11 August 2016. Available from: http://usa.chinadaily.com.cn/epaper/2016-08/11/content_26436063.htm High-tech radar will also improve nation's ability to forecast, warn of natural disasters, experts say.

Shipping owners and the satellite conundrum. *Via Satellite* [Online]. 15 August 2016. Available from: <http://interactive.satellitetoday.com/via/september-2016/shipping-owners-and-the-satellite-conundrum/> While aeronautical maybe the hottest market in terms of connected transportation, the maritime market is also offering a plethora of opportunities for satellite players as all types of shipping companies revamp their connectivity strategies.

Maritime autonomous navigation in GPS-limited environments. *UK Marine Accident Investigation Branch (MAIB)* [Online]. 15 August 2016. Available from: <https://www.gov.uk/government/news/maritime-autonomous-navigation-in-gps-limited-environments> Case study from Polaris Consulting who will pitch their ideas to industry and investors at the CDE Marketplace on 6 September 2016.

Communication solution for beyond 81 degrees north. *Maritime Executive* [Online]. 20 August 2016. Available from: <http://maritime-executive.com/article/communication-solution-for-beyond-81-degrees-north> Today, maintaining communications coverage north of Svalbard is a great challenge, but a new Norwegian research project promises a groundbreaking solution for far-north Arctic areas.

PIRACY

Operation 'Tsare Teku' has reduced piracy, hostage taking - Navy. *Today (Nigeria)* [Online]. 2 August 2016. Available from: <https://www.today.ng/news/national/161703> The Nigerian Navy on Tuesday said that Operation 'Tsare Teku' had reduced piracy and hostage taking in the country's water ways close to zero per cent.

July ReCAAP Report: Hijackings of Ships for Theft of Oil Cargo has Decreased.

Ship & Bunker [Online]. 10 August 2016. Available from: <http://shipandbunker.com/news/apac/155328> The latest report from the ReCAAP Information Sharing Centre (ReCAPP), which covers incidents of piracy and armed robbery in Asian waters during July 2016, says hijackings of ships for theft of oil cargo has decreased overall.

Half Yearly Report January – June 2016. *ReCAAP* [Online]. August 2016. Available from: http://www.recaap.org/AlertsReports/IncidentReports.aspx?Command=Core_Download&EntryId=456 There has been an improvement in the piracy and armed robbery situation in Asia with the largest decrease in number of incidents during January-June 2016 compared to the same period in the past four years of 2012-2015. [Infographic](#)

As piracy is contained, Somali fishermen again compete with illegal vessels in their waters. By Colin Cosier. *ABC (Australia)* [Online]. 15 August 2016. Available from: <http://www.abc.net.au/lateline/content/2016/s4520154.htm> As an armada of international warships patrols Somalia's coast and the waters are relatively safe, the unregulated fishing fleets from Asia and Europe have returned.

Live Animal Export: At risk from pirates. By Lynn Simpson. *Splash 24/7* [Online]. 18 August 2016. Available from: <http://splash247.com/live-animal-export-risk-pirates/> Dr Lynn Simpson continues her series on the livestock trades by looking at the risks posed by piracy.

Nations join hands to fight pirates. *Straits Times* [Online]. 23 August 2016. Available from: <http://www.straitstimes.com/business/companies-markets/nations-join-hands-to-fight-pirates> Amid growing concerns that pirates today are channelling their loot towards funding terrorist activities, nine countries are coming together to share information and battle the scourge.

PORT STATE CONTROL

Foreign flagged ships under detention in the UK during July 2016.

UK Marine Accident Investigation Branch (MAIB) [Online]. 2 August 2016. Available from: <https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-july-2016> The Maritime and Coastguard Agency (MCA) announced today that seven foreign flagged ships were under detention in UK ports during July 2016 after failing Port State Control (PSC) inspection.

Concentrated Inspection Campaign (CIC) on cargo securing arrangements. Tokyo MoU

[Online]. 1 August 2016. Available from: <http://www.tokyo-mou.org/doc/Press%20release%20on%20CIC%20on%20Cargo%20Securing%20Arrangements.pdf> The Member Authorities of the Tokyo MOU with other co-operating MOUs will carry-out a concentrated inspection campaign on Cargo Securing Arrangements on the 1st September 2016 through the 30th November 2016.

Launch of Concentrated Inspection Campaign on MLC,2006.

Paris MoU on Port State Control [Online]. 28 July 2016. Available from: <https://www.parismou.org/launch-concentrated-inspection-campaign-mlc2006> The Paris Memorandum of Understanding (MoU) on Port State Control will launch a Concentrated Inspection Campaign (CIC) on the Maritime Labour Convention, 2006 (MLC,2006).

PORTS AND HARBOURS

Port of Dover: security in an age of uncertainty. By Gary Peters. *Ship-Technology.Com* [Online]. 2 August 2016. Available from: <http://www.ship-technology.com/features/featureport-of-dover-security-in-an-age-of-uncertainty-4965788/> Ports play a huge part in keeping people safe. Often they are the first line of defence, but what does port security look like in an age of uncertainty?

Armed SRP battalion will now guard Gujarat ports. By Avinash Nair. *Indian Express* [Online]. 30 July 2016. Available from: <http://indianexpress.com/article/india/india-news-india/armed-srp-battalion-will-now-guard-ports-2943583/> Proximity to Pakistan and perceived terror threat to ports in Gujarat have prompted the state government to spruce up the security infrastructure across the trade-gateways by giving consent for raising a special armed battalion of State Reserve Police (SRP), which will consist of 1,200 personnel and cost Rs 165 crore.

Libya government, oil guards reach deal to reopen ports. By Ayman Al-Warfalli. *Reuters* [Online]. 29 July 2016. Available from: <http://www.reuters.com/article/us-libya-security-energy-idUSKCN1090TZ> Libya's U.N.-backed government has signed a deal with an armed brigade controlling the major Ras Lanuf and Es Sider oil ports to end a blockade and restart exports from the terminals shut down since December 2014.

More than 60 vessels transit the expanded Panama Canal since the inauguration.

Panama Canal Authority [Online]. 2 August 2016. Available from: <https://www.pancanal.com/eng/pr/press-releases/2016/08/02/pr603.html> The Expanded Panama Canal has transited 69 Neopanamax vessels since the Inauguration on June 26, 2016.

Port of Salalah spearheads growth at Oman terminals. By Kent Gray.

Seatrade Maritime News [Online]. 4 August 2016. Available from: <http://www.seatrade-maritime.com/news/the-port-of-salalah-spearheads-growth-at-oman-terminals.html> If the recent call of MSC Zoe is any indication, the 27.6% increase in container volumes recorded by Port of Salalah in the first half of 2016 is a sign of things to come.

Transport Minister unveils projects to enhance port activities. By Mary Mensah and Kukua Nketsia Asiedu.

Graphic Online (Ghana) [Online]. 5 August 2016. Available from: <http://www.graphic.com.gh/news/general-news/transport-minister-unveils-projects-to-enhance-port-activities.html> A new container terminal is being developed at the Tema Port to create space and increase container handling capacity at the port.

Ternsund the first ship to bunker LNG. Port of Rotterdam [Online]. 9 August 2016.

Available from: <https://www.portofrotterdam.com/en/news-and-press-releases/ternsund-the-first-ship-to-bunker-lng> It is the first sea-going vessel to bunker LNG (liquefied natural gas) in Rotterdam.

Port's reduction in emissions of SOx dismissed as "Old News". Ship & Bunker [Online].

8 August 2016. Available from: <http://shipandbunker.com/news/am/854368> A study released by the Ministry of Environment in British Columbia, Canada, which found that sulfur emission regulations and the use of abatement technology have been effective in reducing emissions of sulfur dioxides (SOx) from cruise ships at Victoria's James Bay, has been dismissed as "old news" by a citizens group, local media reports.

RMS Analysis reveals the ten world ports at risk of highest insurance loss due to catastrophe. Risk Management Solutions, Inc.(RMS) [Online]. 8 August 2016.

Available from: <http://www.rms.com/newsroom/press-releases/press-detail/2016-08-08/rms-analysis-reveals-the-ten-world-ports-at-risk-of-highest-insurance-loss-due-to-catastrophe> On the first anniversary of China's Tianjin Port disaster, RMS shows six of ten ports most at risk are in the U.S. with Asia-Pacific and European ports also a major concern, as insurers play a guessing game.

Mega container ships and how they are changing ports. By Gary Peters.

Ship-Technology.Com [Online]. 10 August 2016. Available from: <http://www.ship-technology.com/features/featuremega-container-ships-and-how-they-are-changing-ports-4974826/> Big, hulking models of engineering ingenuity, carrying more cargo than ever before.

Drone video shows how giant containerships enter Panama Canal's new locks.

By Mike Schuler. *gCaptain* [Online]. 9 August 2016. Available from:

<https://gcaptain.com/watch-drone-video-shows-how-giant-containerships-enter-panama-canals-new-locks/> Check out this drone video posted by Panama Canal Administrator Jorge Luis Quijano showing a neopanamax containership entering the expanded Panama Canal's new Agua Clara locks from Gatun Lake on the Atlantic side of the waterway.

Panama Canal celebrates 102nd anniversary with milestone 100th transit through new locks. Panama Canal Authority [Online]. 15 August 2016. Available from:

<https://www.pancanal.com/eng/pr/press-releases/2016/08/15/pr606.html> Today, the Panama Canal celebrated 102 years of successful operations and service to the global maritime community, just one day after welcoming its 100th transit through the Expanded waterway.

CEs commit to code for safer shipping in ports and harbours. Maritime New Zealand

[Online]. 17 August 2016. Available from: <https://www.maritimenz.govt.nz/public/news/media-releases-2016/20160817a.asp> Chief executives of New Zealand's port companies, councils and Maritime New Zealand will tomorrow (August 18) commit to a revised, national port and harbour marine code to make shipping in commercial harbours safer.

New Zealand Port and Harbour Marine Safety Code. *Maritime New Zealand* [Online]. August 2016. Available from: <https://www.maritimenz.govt.nz/commercial/documents/NZ-port-harbour-marine-safety-code.pdf>  This new edition of the Code takes into account the lessons learned from a review of the original 2004 Code over the decade since it was introduced.

Port Authority investing US\$40 million to upgrade Montego Bay Port. By Horace Hines. *Jamaica Observer* [Online]. 22 August 2016. Available from: http://www.jamaicaobserver.com/news/Port-Authority-investing-US-40-million-to-upgrade-Montego-Bay-Port_71492 The Port Authority of Jamaica will be investing some US\$40 million to upgrade the Montego Bay Port to transform the facility into a regional, multi-purpose port which will accommodate more cruise shipping vessels as the demand for home porting rapidly intensifies.

The Arctic Circle may be more than 400 miles north, but Seward has become an Arctic port. By Yereth Rosen. *Alaska Dispatch News* [Online]. 19 August 2016. Available from: <http://www.adn.com/arctic/2016/08/19/the-arctic-circle-may-be-more-than-400-miles-north-but-seward-has-become-an-arctic-port/> Docked side by side, both preparing to head north, were the cutter *Healy*, the only polar-class U.S. Coast Guard icebreaker working in the Arctic, and the *Crystal Serenity*, the huge luxury cruise ship destined for an unprecedented journey through newly ice-sparse waters of the Northwest Passage over the top of Canada.

China's Shenzhen port to tighten sulfur limits at berth from Oct 1, 2016. By Irene Tang. *Platts McGraw Hill Financial* [Online]. 26 August 2016. Available from: <http://www.platts.com/latest-news/shipping/singapore/chinas-shenzhen-port-to-tighten-sulfur-limits-27657217> China's Shenzhen port will be implementing tighter sulfur limits from October 1, 2016, with ships required to use bunker fuel with a maximum sulfur content of 0.5% while at berth, except during the first hour after arrival and the last hour before departure, a circular from Huatai Insurance, a marine services company which provides regular updates on China's shipping industry on its website, stated this week.

Port Releases 2015 Pollution Study. *Port of Long Beach* [Online]. 23 August 2016. Available from: <http://www.polb.com/news/displaynews.asp?NewsID=1569&TargetID=1> Pollution around the Port of Long Beach has been dramatically cut over the last decade, however, according to the latest study, lingering effects from ships at anchor in early 2015 impacted air quality last year. [Air Emissions Inventory 2015](#) 

RECYCLING OF SHIPS

Sulfur dioxide monitoring and analysis of the impact of fuel sulfur content regulation. By Eleanor Setton. *Government of British Columbia (Canada)* [Online]. 31 March 2016. Available from: http://www.bcairquality.ca/reports/pdfs/2016_james_bay.pdf  The objective of this report is to compare measured levels of SO₂ in 2014 and 2015 to current guidelines, and to provide an analysis of SO₂ levels in light of increasingly stringent regulations on marine fuel sulfur content since 2009.

EU-led ship recycling regulation could reverse positive effect of Hong Kong Convention on South East Asian scrapyards says GMS. By Nikos Roussanoglou. *Hellenic Shipping News* [Online]. 22 August 2016. Available from: <http://goo.gl/MyvfmC> Scrapyards in South East Asia are in the midst of a significant change, as they are constantly improving their operations, adhering to the norms which have been set in motion by the Hong Kong Convention for the Safe and Environmentally Sound Recycling of Ships.

The Economics of Ship Breaking & Scrapping. By Andreas Bargfried. *MarineLink.Com* [Online]. 24 August 2016. Available from: <http://www.marinelink.com/news/economics-scrapping414382.aspx> Sometimes being an industry supplier offers interesting insights – your business is touched by the ups and downs of the charter market, but you are never so involved in it that you lose sight of the big picture.

REGULATIONS

Container weight verification is for safety, not surcharges, say shippers. By Holly Birkett. *Splash 24/7* [Online]. 4 August 2016. Available from: <http://splash247.com/container-weight-verification-is-for-safety-not-surcharges-say-shippers/> The Global Shippers' Forum (GSF) has blasted shipping lines, forwarders and terminal operators using the mandatory container weight verification process as an excuse to add more surcharges.

The downside of IMO's container weighing rule. By P. Manoj. *Livemint (India)* [Online]. 12 August 2016. Available from: <http://www.livemint.com/Opinion/27Y2FrLM9GyiXZ00M4UT5M/The-downside-of-IMOs-container-weighing-rule.html> Different intermediaries between exporters and the shipping line are trying to wrest control over this requirement and extract money from it.

Hapag-Lloyd reports 'extremely high' VGM compliance rate. By Will Waters. *Lloyd's Loading List* [Online]. 19 August 2016. Available from: <http://goo.gl/3X6UO7> Hapag-Lloyd has reported "extremely high" compliance rates since new international container-weighing regulations came into force on 1 July, saying customers' efforts and timely transmissions had resulted in the successful implementation of the IMO's amended SOLAS rules.

Container weighing still in the balance. Container Shipping & Trade [Online]. 23 August 2016. Available from: http://www.containerst.com/news/view.container-weighing-still-in-the-balance_44275.htm Now that 1 July has come and gone Peregrine Storrs-Fox, TT Club's risk management director, considers the early lessons and what level of clarity has been achieved for the revised Solas regulation requiring verified gross mass.

Terminals are not mandated to re-verify weighed cargo containers: DGS. By P. Manoj. *Livemint (India)* [Online]. 26 August 2016. Available from: <http://www.livemint.com/Politics/znYh3B473MX8MWpHQARUIJ/Terminals-are-not-mandated-to-reverify-weighed-cargo-contai.html> Some terminals are levying charges for variance in weight declared by shippers even though the weight of containers remain within permissible limits.

SALVAGE

Riskiest Step in Sewol Salvage Completed. Maritime Executive [Online]. 1 August 2016. Available from: <http://maritime-executive.com/article/riskiest-step-in-sewol-salvage-completed> The ferry *Sewol*, which went down in 2014 with the loss of more than 300 lives, came one step closer to returning to the surface on Friday when salvors briefly lifted her bow, the most difficult and risky step in the salvage plan.

NTSB launching mission from Va. Beach to recover cargo ship *El Faro*'s voyage data recorder. By Brock Vergakis. *Virginian-Pilot (US)* [Online]. 31 July 2016. Available from: <http://goo.gl/UvoL4P> A Navy vessel will be loaded today for a mission to recover the sunken cargo ship *El Faro*'s voyage data recorder.

A diver's pain: Living with the ghost of Sewol tragedy. By Steven Borowiec. *Aljazeera* [Online]. 27 July 2016. Available from: <http://www.aljazeera.com/indepth/features/2016/07/diver-pain-living-ghost-sewol-tragedy-160713130446238.html> More than two years after *Sewol* ferry disaster in South Korea, rescue workers are still recovering from the trauma.

MV Benita sinks during tow to Alang. By Mike Schuler. *gCaptain* [Online]. 20 July 2016. Available from: <http://gcaptain.com/mv-benita-sinks-during-tow-to-alang/> International salvage company Five Oceans Salvage reports that the *MV Benita*, which was under tow from Mauritius and to Alang, India, has sunk approximately 93.5 nautical miles from Mauritius.

SEAFARERS

Merchant navy personnel may have to pay taxes on income. By Sachin Dave. *Economic Times (India)* [Online]. 1 August 2016. Available from: <http://economictimes.indiatimes.com/wealth/personal-finance-news/merchant-navy-personnel-may-have-to-pay-taxes-on-income/articleshow/53485898.cms> The income tax department has begun slapping notices on merchant navy personnel, asking them to pay taxes on income earned from working on either Indian or foreign vessels.

Seafarers' Statistics in the EU: Statistical review (2014 data STCW-IS). *European Maritime Safety Agency (EMSA)* [Online]. July 2016. Available from: <http://goo.gl/5i1BYK> 

Crew stuck for months on cargo ship 'under arrest' off Fort Lauderdale. By Ron Hurtibise. *SunSentinel (US)* [Online]. 29 July 2016. Available from: <http://www.sun-sentinel.com/business/fl-ship-under-arrest-anchored-in-ocean-20160728-story.html>  It's not a ghost ship, but that's not a bad guess.

The Mission to Seafarers invited as featured guest charity by SMM Hamburg 2016. *Mission to Seafarers* [Online]. 4 August 2016. Available from: <http://www.missiontoseafarers.org/index.php/media-centre/news/313> Global maritime welfare charity The Mission to Seafarers has been invited by the team at SMM Hamburg 2016 to appear as featured guest charity at the 2016 fair.

Round table looks at professional development of seafarers. *Ship Management International* [Online]. 5 August 2016. Available from: <http://shipmanagementinternational.com/round-table-looks-at-professional-development-of-seafarers/> Captain Antonio M Padrón y Santiago, IMO Maritime Ambassador and Maritime Authority of Tenerife, participated in the Annual Congress of the National Association of Harbour Pilots, presenting a paper at the Round Table on 'The professional development of Seafarers: A national matter'.

New powers to tackle slavery at sea. By Sarah Newton, MP. *UK Government* [Online]. 8 August 2016. Available from: <https://www.gov.uk/government/news/new-powers-to-tackle-slavery-at-sea> Safeguarding Minister Sarah Newton announces the commencement of new powers in the Modern Slavery Act.

STCW, 50 Carnival Italian sailors grounded. By Alberto Quarati. *MediTelegraph (Italy)*

[Online]. 5 August 2016. Available from:

<http://www.themeditelegraph.com/en/shipping/shipowners/2016/08/05/stcw-carnival-italian-sailors-grounded-HDqUDv6N1p81jTQTgNX2jO/index.html>

The delay with which the Ministry of Transport issued its decrees on the continuing education of sailors for the STCW Convention, means that tens of thousands of people have to rush through a procedure, which the international regulations described as a three-year process, in only a few months.

Vatican shines spotlight on maritime trafficking and slavery at sea.

News.Va Official Vatican Network [Online]. 5 August 2016. Available from:

<http://www.news.va/en/news/vatican-shines-spotlight-on-maritime-trafficking-a>

Here in Rome a meeting organized by the US Embassy to the Holy See in conjunction with the US Conference of Catholic Bishops focused on maritime trafficking and modern slavery at sea.

Interview: Kari Johnstone, Deputy Director, US State Department's Office to Monitor and Combat Trafficking in Persons. *News.Va Official Vatican Network*

[Online]. 5 August 2016.

Available from: <http://media02.radiovaticana.va/audio/audio2/mp3/00542666.mp3> 

Prolonged downturn causes spike in abandoned crews. By Sam Chambers. *Splash 24/7*

[Online]. 10 August 2016. Available from: <http://splash247.com/prolonged-downturn-causes-spike-in-abandoned-crews/>

Charterers should "think twice" about taking ships from owners who have a history of crew neglect, a leading UK shipping charity has told Splash today.

16 Filipino sailors rescued from an abandoned freighter. *Thai PBS (Thailand)*

[Online]. 9 August 2016. Available from: <http://englishnews.thaipbs.or.th/175590-2/>

Sixteen Filipino crew members of an abandoned Liberia-registered freighter which has been anchoring in the Gulf off Si Chang island in Chon Buri for several months were rescued on Tuesday by officials from several agencies.

POEA implements online registration of seafarers. *Government of the Philippines*

[Online]. 8 August 2016. Available from: <http://www.poea.gov.ph/news/2016/08-3.pdf> 

DOLE Secretary Silvestre H. Bello III, the chairperson Governing Board of the Philippine Overseas Employment Administration, said Seafarers Registration Certificates (SRC) will be replaced by an online seafarer registry very soon.

Bid for freedom: rescuing trafficked fishermen as they dock in Cape Town.

By Kyle G. Brown. *The Guardian* [Online]. 11 August 2016. Available from:

<https://www.theguardian.com/global-development/2016/aug/11/rescuing-trafficked-fishermen-cape-town-south-africa-slave-like-conditions>

In the South African port, charity worker Dane Duplessis is part of a team helping migrant fishermen escape from slave-like working conditions.

Keeping the port of Singapore ship-shape. *BBC News* [Online]. 12 August 2016.

Available from: <http://www.bbc.co.uk/news/business-37023282>  Daknash Ganasen tells the BBC why being a port master in Singapore is his dream job.

Cargo ship crew 'abandoned' off central Queensland coast. *ABC (Australia)*

[Online]. 16 August 2016. Available from: <http://www.abc.net.au/news/2016-08-16/crew-stuck-on-abandoned-ship/7748084>

 The owners of a China-bound cargo ship have abandoned their crew off the central Queensland coast, the International Transport Workers' Federation (ITF) says.

Captain Birger J. Vorland is ready to make history. By Wendy Laursen. *Maritime Executive* [Online]. 15 August 2016. Available from: <http://www.maritime-executive.com/features/captain-birger-j-vorland-is-ready-to-make-history> Beginning August 16, *Crystal Serenity* will be the largest luxury cruise ship to ever navigate the Northwest Passage, maneuvering through 900 miles of majestic waterways lined with spectacular glaciers, towering fjords and vast unspoiled landscapes away from mainstream civilization and tourism, north of mainland Canada.

Slaves at sea. By Michael Grey. *Seatrade Maritime News* [Online]. 15 August 2016. Available from: <http://www.seatrade-maritime.com/news/americas/slaves-at-sea.html> Sometimes it is difficult to believe that we are living in the 21st century and not the beginning of the 19th, when life was cheap and a good deal more brutal.

Not hijacked: Crew of MT Vier Harmoni sailed vessel away due to dispute with employer. By Faisal Asyraf. *New Straits Times Online (Malaysia)* [Online]. 17 August 2016. Available from: <http://www.nst.com.my/news/2016/08/166221/not-hijacked-crew-mt-vier-harmoni-sailed-vessel-away-due-dispute-employer> Clarifying the matter this evening, Malaysian Maritime Enforcement Agency (MMEA) chief Datuk Ahmad Puzi Abdul Kahar said preliminary investigations suggest that the drama rose following a disagreement between their crew and their employer, the ship's owner.

Taiwan owner ditches crew in Vietnam. By Sam Chambers. *Splash 24/7* [Online]. 17 August 2016. Available from: <http://splash247.com/taiwan-owner-ditches-crew-vietnam/> Kaohsiung-headquartered Jumbo Sino Development of Taiwan is the latest shipowner to be publically shamed for abandoning its crews amid the protracted downturn.

'The abandonment of seafarers is abhorrent': HKSOA's Bowring. By Sam Chambers. *Splash 24/7* [Online]. 18 August 2016. Available from: <http://splash247.com/abandonment-seafarers-abhorrent-hksoas-bowring/> The Hong Kong-registered capesize bulk carrier is presently under detention by the Australian Maritime Safety Authority (AMSA) off the port of Gladstone for breaches of the Maritime Labour Convention relating to lack of provisions and unpaid wages.

Owner of coal ship stranded off Gladstone coast pays for supplies to get vessel home. By Amy Mitchell-Whittington. *Brisbane Times (Australia)* [Online]. 17 August 2016. Available from: <http://www.brisbanetimes.com.au/queensland/owner-of-coal-ship-stranded-off-gladstone-coast-pays-for-supplies-to-get-vessel-home-20160817-qquvwr.html> 🗿 The owners of a coal vessel stranded off the coast of Gladstone have paid for supplies to get the ship home, however the crew's wage issue is still up in the air, Australian Maritime Safety Authority say.

Seafarers urged to renew international STCW certificates. *Australian Maritime Safety Authority (AMSA)* [Online]. 17 August 2016. Available from: https://www.amsa.gov.au/media/documents/17082016_AMSA_Seafarer_Cert_Expiry.pdf 📄 The Australian Maritime Safety Authority is urging seafarers with international qualifications to check the validity of their STCW certificates.

Italian ship under arrest in Harbour since April, crew in limbo. By Carmela Fragomeni. *Hamilton Spectator (Canada)* [Online]. 18 August 2016. Available from: <http://www.thespec.com/news-story/6813536-italian-ship-under-arrest-in-harbour-since-april-crew-in-limbo/> The ship arrived in Hamilton on April 24 according to Larissa Fenn, a spokesperson for the Hamilton Port Authority, and has been detained since, over a legal dispute that does not involve the port authority.

Women at Sea: Zimasa Mabela and Jasmin Labarda. By Kim Chakanetsa.

BBC World Service [Online]. 22 August 2016. Available from:

<http://www.bbc.co.uk/programmes/p044pwwq> Kim Chakanetsa finds out what it's like to run a ship in South Africa and the Philippines.

Seafarers online: Is internet onboard a good thing? *Splash 24/7* [Online]. 24 August 2016.

Available from: <http://splash247.com/seafarers-online-internet-onboard-good-thing/> Edward Ion from Navigate Response on the thorny issue of web use among crew.

Coast Guard participates with AK Command in major Arctic rescue operation exercise.

US Coast Guard Newsroom [Online]. 23 August 2016. Available from:

<http://www.uscgnews.com/go/doc/4007/2877050/> The U.S. Coast Guard will participate with Alaskan Command in a major exercise focused on multinational search and rescue readiness to respond to a mass rescue operation near and in the Arctic beginning Tuesday and ending Friday.

Why aren't more women serving at sea? By Jason Jiang. *Splash 24/7* [Online].

26 August 2016. Available from: <http://splash247.com/mind-gender-gap/> Shipping has historically been a male-dominated industry and that tradition runs long and deep, especially for those jobs at sea.

Why you should want your seafarers to be active on social media. By Dustin Eno,

Navigate Response. *Seatrade Maritime News* [Online]. 25 August 2016. Available from:

<http://www.seatrade-maritime.com/news/americas/why-you-should-want-your-seafarers-to-be-active-on-social-media.html> Most shipping companies try to tightly control all communications and to restrict all social media use, but if you're interested in protecting your company's reputation then this might be exactly the wrong thing to do.

SEARCH AND RESCUE

MOAS Responder Rescues 994 People in One Day in the Central Mediterranean.

Migrant Offshore Aid Station (MOAS) [Online]. 1 August 2016. Available from:

<https://www.moas.eu/moas-responder-rescues-994-people-one-day-central-mediterranean/>

The Responder, one of the search-and-rescue vessels run by MOAS (Migrant Offshore Aid Station), a humanitarian organisation, will arrive in Catania tomorrow morning at 08:00am to disembark 414 people rescued Sunday in the Central Mediterranean.

Italy: Red Cross launches search and rescue operations in the Mediterranean.

International Federation of Red Cross and Red Crescent Societies (IFRC) [Online].

8 August 2016. Available from: <http://goo.gl/xx9j24> Red Cross is launching its first search and rescue ship in a bid to save the lives of people crossing the Mediterranean in search of refuge and safety in Europe.

Private ships play big role in Europe's migrant crisis. *The Local (Italy)* [Online].

6 August 2016. Available from: <http://www.thelocal.it/20160806/small-aid-ships-play-big-role-in-europes-migrant-crisis> Today, there are a dozen such aid ships engaged in over 20 percent of the life-saving missions.

An international response to a global crisis: MOAS and the Italian Red Cross strengthen their partnership to save lives at sea. *Migrant Offshore Aid Station (MOAS)* [Online]. 5 August 2016. Available from: <https://www.moas.eu/international-response-global-crisis-moas-italian-red-cross-strengthen-partnership-save-lives-sea/> 🌐 As the humanitarian migration crisis continues to intensify to worryingly critical levels, the Italian Red Cross (CRI) and the Migrant Offshore Aid Station (MOAS) have agreed to further strengthen their joint mission to save lives on the world's most dangerous migration route, the Mediterranean Sea.

Life-saving mission begins in the Mediterranean as Red Cross launches rescue boat. **By Nichola Jones.** *International Federation of Red Cross and Red Crescent Societies (IFRC)* [Online]. 9 August 2016. Available from: <http://goo.gl/iqnhTv> 🌐 The Red Cross has launched its first search and rescue ship in a bid to save the lives of people crossing the Mediterranean seeking refuge and safety in Europe.

Japan rescues six Chinese boat crew near disputed isles. *Straits Times* [Online]. 12 August 2016. Available from: <http://www.straitstimes.com/asia/east-asia/japan-rescues-six-chinese-boat-crew-near-disputed-isles> Japan is searching for eight Chinese crew members who went missing when their fishing boat sank after colliding with a Greek cargo vessel near disputed East China Sea islands.

Tensions set aside for East China Sea rescue. *Maritime Executive* [Online]. 11 August 2016. Available from: <http://maritime-executive.com/article/tensions-set-aside-for-east-china-sea-rescue> On Thursday, the Greek-flagged bulk carrier *Anangel Courage* collided with a Chinese fishing vessel off the disputed Senkaku Islands, sinking the smaller ship.

"We waited every day to die." Why we're launching a ship. *Save the Children* [Online]. 24 August 2016. Available from: <http://blogs.savethechildren.org.uk/2016/08/waiting-every-day-die-launching-rescue-ship/> More than 3,000 people are thought to have drowned in the Mediterranean so far this year.

Saving lives at sea: how a rescue works. *International Federation of Red Cross and Red Crescent Societies (IFRC)* [Online]. 23 August 2016. Available from: <http://goo.gl/wlEp5H> The Italian Red Cross and Migrant Offshore Aid Station (MOAS) joined forces this month to launch a search and rescue operation aboard the *Responder* in the Mediterranean Sea.

NOAA Plays Critical Role in Record-breaking Rescue. *US National Oceanic and Atmospheric Administration (NOAA)* [Online]. 24 August 2016. Available from: http://www.nesdis.noaa.gov/news_archives/noaa_satellites_fisheries_manager_play_critical_role_in_record_breaking_rescue.html 🌐 When the fishing vessel *Alaska Juris* began taking on water July 26 in the Bering Sea, the closest help was too far away for the 46 crew members, whose lives hung in the balance.

SHIPBUILDING AND SHIPREPAIR

World's heaviest vessel sets sail for sea trials. *Maritime Executive* [Online]. 8 August 2016. Available from: <http://maritime-executive.com/article/worlds-heaviest-vessel-sails-on-sea-trials> 🌐 On Saturday, the world's largest vessel by displacement sailed from Rotterdam on sea trials.

Miti unveils incentives for shipbuilders. *Star Online (Malaysia)* [Online]. 10 August 2016. Available from: <http://www.thestar.com.my/business/business-news/2016/08/10/miti-unveils-incentives-for-shipbuilders/> Existing and upcoming shipbuilding and ship repair companies in the country are expected to enjoy huge incentives in the form of a new tax exemption introduced by the International Trade and Industry Ministry (Miti).

Ship profile: ethane carrier *Navigator Aurora* hits the water. By Karen Thomas.

LNG World Shipping [Online]. 23 August 2016. Available from:

http://www.lngworldshipping.com/news/view,ship-profile-ethane-carrier-inavigator-aurorai-hits-the-water_44262.htm Shanghai-based Jiangnan Shipyard delivered *Navigator Aurora*, the first of four Navigator Gas ethane/ethylene midsize vessels, just three weeks ago.

Hurtigruten CEO calls for size limit on Arctic cruise vessels. By Thomas Nilsen.

Independent Barents Observer (Norway) [Online]. 22 August 2016. Available from:

<http://thebarentsobserver.com/2016/08/hurtigruten-ceo-encourages-limit-size-arctic-cruise-vessels> Arctic sea ice melts away and Daniel Skjeldam predicts a big growth in voyages to northern waters.

RasGas delivers first LNG to Italy's Toscana floating regasification terminal.

By Kent Gray. *Seatrade Maritime News* [Online]. 25 August 2016. Available from:

<http://www.seatrade-maritime.com/news/rasgas-delivers-first-lng-to-italys-toscana-floating-regasification-terminal.html> Qatar's RasGas has delivered its first cargo of liquefied natural gas (LNG) to Italy's Toscana Floating Storage Regasification Unit (FSRU) for Swiss multi-energy trading company DufEnergy Trading SA (DufEnergy).

Fednav welcomes new ship featuring innovative ballast system at port of Indiana.

FEDNAV [Online]. 23 August 2016. Available from: <http://www.fednav.com/en/media/fednav-welcomes-new-ship-featuring-innovative-ballast-system-port-indiana>

Fednav Limited, the largest international bulk shipowner in Canada, today welcomes to the Port of Indiana - Burns Harbor, the *Federal Caribou*, one of seven new oceangoing lakers equipped with a ballast water treatment system-a first for the Great Lakes.

SHIPPING

MSBM hosts symposium on Jamaica as logistics gateway. By Balford Henry.

Jamaica Observer [Online]. 2 August 2016. Available from:

<http://www.jamaicaobserver.com/news/MSBM-hosts-symposium-on-Jamaica-as-logistics-gateway> More than 200 Jamaicans, including members of the Diaspora, benefitted from a one-day logistics symposium held on Saturday at the University of the West Indies (UWI), Mona.

Report: Safety & Sustainability of Shipping and Offshore Activities in the Arctic.

Institute of Marine Engineering, Science and Technology (IMarEST) [Online]. 2 August 2016.

Available from: <http://www.imarest.org/events-courses/round-tables/shipping-in-the-arctic>

Global warming is particularly evident in the Arctic and the steady reduction of the Arctic sea ice has been well documented, with the Intergovernmental Panel on Climate Change (IPCC) reporting that Arctic sea ice has thinned, that extent has decreased by 2.9% per decade over the 1978-1996 period and that there are now more melt days per summer.

IBIA Africa Forum to Focus on Importance of "Good Bunkering Hub" in Cape Town.

Ship & Bunker [Online]. 1 August 2016. Available from:

<http://shipandbunker.com/news/emea/674016-ibia-africa-forum-to-focus-on-importance-of-good-bunkering-hub-in-cape-town> IBIA Africa (IBIA) says it will be hosting its second regional forum in Cape Town from September 14 to 16, which will be focused on highlighting the importance of "establishing a good bunkering hub."

Princely passage: 253-metre cruise ship to embark on 32-day crossing of Northwest

Passage. By David Rudin and Dean Tweed. *National Post (Canada)* [Online]. 1 August 2016.

Available from: <http://news.nationalpost.com/news/graphics/princely-passage-253-metre-cruise-ship-to-embark-on-32-day-crossing-of-northwest-passage>

Shipping wakes up to the new digital age. By Martyn Wingrove. *Marine Electronics and Communications* [Online]. 1 August 2016. Available from:

http://www.marinemec.com/news/view,shipping-wakes-up-to-the-new-digital-age_43993.htm

Big data will become the 'oil of 21st century' for the maritime industry.

Shell announces Fort Sumter discovery in Gulf of Mexico. *Shell* [Online]. 28 July 2016.

Available from: <http://www.shell.com/media/news-and-media-releases/2016/shell-announces-fort-sumter-discovery-in-gulf-of-mexico.html> Shell today announced a new exploration discovery in the deep water U.S. Gulf of Mexico. The initial estimated recoverable resources for the Fort Sumter well are more than 125 million barrels of oil equivalent (boe).

New rule to weigh containers seeks to reduce accidents at sea (Interview with Lee Adamson, IMO). *United Nations Radio* [Online]. 30 July 2016. Available from:

<http://www.unmultimedia.org/radio/english/2016/07/new-rule-to-weigh-containers-seeks-to-reduce-accidents-at-sea/> 📢

A new rule has come into force this month aimed at reducing the number of accidents at sea caused by shipping containers.

Still waters: U.S. to crack down on ocean noise that harms fish. By Ian Simpson. *Reuters*

[Online]. 30 July 2016. Available from: <http://www.reuters.com/article/us-usa-environment-noise-idUSKCN10A0CN> The ocean has gotten noisier for decades, with man-made racket from oil drilling, shipping and construction linked to signs of stress in marine life that include beached whales and baby crabs with scrambled navigational signals.

Wallem drawn into sex discrimination row. By Sam Chambers. *Splash 24/7* [Online].

4 August 2016. Available from: <http://splash247.com/wallem-drawn-into-sex-discrimination-row/>

A poorly-worded email has landed Wallem Ship Management into a very public sexist row covered by the world's most read newspaper, the UK's Daily Mail.

Female shipping officer told to 'try cruise industry instead' on job application.

Blackpool Gazette (UK) [Online]. 3 August 2016. Available from: <http://goo.gl/QwYGb5>

A former student at Fleetwood Nautical Campus claims she was the victim of sex discrimination after a shipping firm refused her an interview saying she would be better off working on a cruise ship.

At the Crossroads. By Malcolm Latache. *ShipInsight* [Online]. 3 August 2016.

Available from: <https://www.shipinsight.com/at-the-crossroads/> Exhibitions, and SMM in particular because of its sheer size and extent, always inspire with the quality and quantity of engineering expertise and innovation on display.

Wallem responds to sex discrimination allegations. By Sam Chambers. *Splash 24/7*

[Online]. 5 August 2016. Available from: <http://splash247.com/wallem-responds-to-sex-discrimination-allegations/> Hong Kong's Wallem Group has responded to a sex discrimination row that erupted Thursday morning in the UK's Daily Mail, the world's most read newspaper.

What does an expanded Panama Canal actually mean for global trade? By Kris Kosmala.

Splash 24/7 [Online]. 5 August 2016. Available from: <http://splash247.com/what-does-an-expanded-panama-canal-actually-mean-for-global-trade/> Every time I think about the Panama Canal, I cannot resist wondering what the international shipping would look like if there was no physical way of sending the ships through the canal so conveniently placed between the large land masses of continental Americas.

Korean Register boosts operational efficiency with containership conversion.

Korean Register [Online]. 4 August 2016. Available from:

http://www.krs.co.kr/sub/eng_board_read.aspx?no=7187&s_code=0502070000&b_code=006037000 The Korean Register (KR), an IACS member classification society has announced that it has successfully completed a feasibility study for the conversion of an 8,600 teu containership into a 10,000 teu vessel.

Independent fuel availability study suggests "Extreme Difficulty" in meeting demand for 0.50% sulfur cap in 2020.

Ship & Bunker [Online]. 8 August 2016. Available from:

<http://shipandbunker.com/news/world/758201-independent-fuel-availability-study-suggests-extreme-difficulty-in-meeting-demand-for-050-sulfur-cap-in-2020> An independent fuel availability analysis for the upcoming global bunker sulfur cap of 0.5 percent has found that if it comes into effect in 2020, refiners could have "extreme difficulty" in meeting demand for low sulfur fuels, IHS Fairplay reports.

Of the Maritime Day and related matters. By Lekan Fatodu.

This Day (Nigeria) [Online]. 5 August 2016. Available from:

<http://www.thisdaylive.com/index.php/2016/08/05/of-the-maritime-day-and-related-matters/> It is no surprise that some agencies of governments, turning away from the easy-money-generating, unproductivity inspiring and corruption-replete oil activities, are beginning to search for solutions to the underdevelopment that has come to define their sectors.

Vancouver Maritime Museum joining largest ship to sail Northwest Passage.

By Liam Britten. *Canadian Broadcasting Corporation (CBC)* [Online]. 5 August 2016.

Available from: <http://www.cbc.ca/news/canada/british-columbia/vancouver-maritime-museum-northwest-passage-1.3709993> The largest cruise ship to ever sail the Northwest Passage will begin its journey from Anchorage, Alaska to New York on Saturday and the Vancouver Maritime Museum will be along for the ride.

Carnival Corporation issues 2015 Sustainability Report, continues strong commitment to environment and safety.

Carnival Corporation & Plc [Online]. 4 August 2016. Available from:

<http://www.carnivalcorp.com/phoenix.zhtml?c=200767&p=irol-newsArticle&ID=2192984> Carnival Corporation & plc (NYSE/LSE: CCL; NYSE: CUK), the world's largest leisure travel company, today released its 2015 sustainability report detailing the progress made in 2015 against its 2020 sustainability performance goals. [Infographic](#); [2015 Corporate Sustainability Report](#) 

GSF annual report highlights key industry issues.

Global Shippers' Forum [Online]. 9 August 2016. Available from:

<https://globalshippersforum.com/media/gsf-annual-report-highlights-key-industry-issues/> The challenges of new container weighing rules, formulating plans for reducing maritime emissions and extending influence over key UN agencies were all in a year's work for the Global Shippers' Forum (GSF), as outlined in the group's 2016 annual report.

EU plan to clean up road transport is ambitious, but ships and planes ignored.

Transport & Environment [Online]. 9 August 2016. Available from:

<https://www.transportenvironment.org/news/eu-plan-clean-road-transport-ambitious-ships-and-planes-ignored> New CO2 standards for cars, vans and, for the first time in Europe, trucks were announced last month by the European Commission in its long awaited Strategy for Low-Emission Mobility.

Wrap-up: Amsterdam Conference Week 2016. By Keith Henderson. *MarineLink.Com* [Online]. 8 August 2016. Available from: <http://www.marinelink.com/news/conference-amsterdam413634.aspx> Amsterdam hosted four different maritime conferences during week June 21-23, with two common exhibitions – all in the same RAI Conference & Exhibition Complex.

CLIA releases Environmental Sustainability Report. *Cruise Lines International Association (CLIA)* [Online]. 10 August 2016. Available from: <http://www.cruising.org/about-the-industry/press-room/press-releases/pr/clia-releases-environmental-sustainability-report> Cruise Lines International Association (CLIA) today released its 2016 Environment Sustainability Report, detailing the state of the industry's environmental initiatives and its ongoing commitment to sustainable cruising. [Environment Sustainability Report 2016](#) 

A new trade route for natural gas opens in Panama. By Alex Nussbaum and Naureen Malik. *Bloomberg* [Online]. 10 August 2016. Available from: <http://www.bloomberg.com/news/articles/2016-08-09/a-new-trade-route-for-natural-gas-opens-in-panama> No one is happier than the U.S. shale industry, which now has its sights set on Asia.

China Cosco Shipping acquires majority stake in Greek port to boost economy. *Xinhuanet (China)* [Online]. 11 August 2016. Available from: http://news.xinhuanet.com/english/2016-08/11/c_135584087.htm Marking a milestone agreement for Sino-Greek collaboration, China Cosco Shipping on Wednesday acquired a majority stake in Piraeus Port Authority (PPA) through the Athens Stock Exchange, it was reported Wednesday.

How do cruise ships stack up in environmental impact? By Mary Pols. *Portland Press Herald (Maine, US)* [Online]. 14 August 2016. Available from: <http://www.pressherald.com/2016/08/14/how-do-cruise-ships-stack-up-in-environmental-impact/> Portland is set to see its biggest cruise ship ever this month.

In it for the long-haul...and the short-haul too. *Clarkson Research Services Limited (CRSL)* [Online]. 12 August 2016. Available from: <https://clarksonresearch.wordpress.com/2016/08/12/in-it-for-the-long-haul-and-the-short-haul-too/> In the world of seaborne trade, distance forms a crucial element in terms of determining how much demand for vessel capacity is created by trade volumes.

Why aren't ships using wind-power to cut their climate footprint? By Tom Levitt. *The Guardian* [Online]. 16 August 2016. Available from: <https://www.theguardian.com/sustainable-business/2016/aug/16/shipping-emissions-low-carbon-wind-power-climate-change> Industry claims to have no control over its rising emissions, blaming the growth in global trade, but low-carbon alternatives such as wind power do exist.

No real growth for maritime sector if women are excluded – Peterside. *Today (Nigeria)* [Online]. 12 August 2016. Available from: <https://www.today.ng/news/national/166452/real-growth-maritime-sector-women-excluded-peterside> The Director General, Nigerian Maritime Administration and Safety Agency (NIMASA), Dr Dakuku Peterside, has said that there can be no real growth for the maritime sector if the women are excluded.

Methanol is promising alternative to bunker fuel: Stena. By Lee Hong Liang. *Seatrade Maritime News* [Online]. 17 August 2016. Available from: <http://www.seatrade-maritime.com/news/americas/methanol-is-promising-alternative-to-bunker-fuel-stena.html> The use of methanol to propel ships is a serious alternative to the present industry norm of burning high-sulphur bunker fuel, according to Erik Lewenhaupt, head of sustainability at Stena Line Group.

Lloyd's Register strengthens vessel and rig inspection service through the Offshore Vessel Inspection Database (OVID) ... *Lloyd's Register* [Online]. 17 August 2016.

Available from: <http://goo.gl/7W2vg8> Initiative will help optimise inspection regimes and provide added value to Class and offshore operators.

Carnival Cruise Line's newest ship, Carnival Vista, recognized by Lloyd's Register for 'Green' Ship Environmental Design, By Jennifer de la Cruz. *Carnival Corporation & Plc* [Online]. 16 August 2016. Available from: <http://phx.corporate-ir.net/phoenix.zhtml?c=140690&p=RssLanding&cat=news&id=2195760> First Carnival Cruise Line ship to be granted LR's coveted 'ECO Notation' for exceeding environmental regulatory standards.

Asian economics of success. By Craig Eason. *Lloyd's List* [Online]. 16 August 2016.

Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article533725.ece>

Judging of this year's Lloyd's List Asia Awards has now taken place, ahead of a celebration of the best in Singapore on October 20.

First Conference of the Women in Maritime Association, Caribbean to be held in the Cayman Islands. *Radio Cayman Islands* [Online]. 19 August 2016. Available from:

<http://www.radiocayman.gov.ky/first-conference-of-the-women-in-maritime-association-caribbean-to-be-held-in-the-cayman-islands> Maritime Authority of the Cayman Islands (MACI) is pleased to be hosting the 1st Conference of the Women in Maritime Association, Caribbean (WiMAC) entitled WiMAC -- Charting the Course for Generations of Women at the Grand Cayman Marriott Beach Resort, from September 5 to 9, 2016.

SOS to solve maritime industry woes in Tanzania. By Faustine Kapama. *Daily News*

(Tanzania) [Online]. 21 August 2016. Available from: <http://dailynews.co.tz/index.php/home-news/52860> The Minister for Constitutional and Legal Affairs, Dr Harrison Mwakyembe, yesterday called for joint efforts to address challenges facing the maritime sector in Tanzania, considering its significant role in the country's economy.

The voyage of the *Crystal Serenity* and the risks of Arctic shipping. By Bryan Comer and Naya Olmer. *International Council on Clean Transportation (ICCT)* [Online]. 17 August 2016.

Available from: <http://www.theicct.org/blogs/staff/voyage-of-crystal-serenity-and-arctic-shipping-risks> Yesterday, the luxury cruise ship *Crystal Serenity* left port with 1,725 passengers and crew on board for a 32-day voyage through the Northwest Passage.

Local chapter of Women in Maritime Association launched. *The Gleaner (Jamaica)*

[Online]. 23 August 2016. Available from: <http://jamaica-gleaner.com/article/shipping/20160823/local-chapter-women-maritime-association-launched> Women from across the local maritime sector gathered in the Air Jamaica building on Harbour Street, Kingston recently for the first meeting of the national Chapter of the Women in Maritime Association, Caribbean (WiMAC).

Cruising: Bad for the World? By Philip Dodd. *BBC World Service* [Online]. 23 August 2016.

Available from: <http://www.bbc.co.uk/programmes/p044trlb>  Philip Dodd looks at the impact that mass tourism on cruise liners can have.

Cruising - New Destinations. By Philip Dodd. *BBC World Service* [Online]. 21 August 2016.

Available from: <http://www.bbc.co.uk/programmes/p0442fnp>  Philip Dodd cruises across the South China Sea to find out how the Chinese have taken to life on board ship.

Maritime and Port Authority of Singapore encourages SGX-listed maritime companies to adopt Sustainability / Integrated Reporting. *Maritime and Port Authority of Singapore (MPA)* [Online]. 22 August 2016. Available from: <http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/39b7655e-b9d2-422d-ad28-fa2b2fe50a3e> In June this year, the Singapore Exchange (SGX) introduced sustainability reporting on a 'comply or explain' basis.

Government crackdown urged following more North Sea job losses. By Kent Gray. *Seatrade Maritime News* [Online]. 21 August 2016. Available from: <http://www.seatrade-maritime.com/news/government-crackdown-urged-following-more-north-sea-job-losses.html> Theresa May's UK Government has been urged to crack down on "flag of convenience ships" operating in the North Sea with "exploited" foreign crews following news that Maersk Supply Service is to cut 400 seafarers' jobs.

Arctic shipping operation goes very wrong. By Atle Staalesen. *Independent Barents Observer (Norway)* [Online]. 24 August 2016. Available from: <http://thebarentsobserver.com/arctic/2016/08/watch-arctic-shipping-operation-goes-very-wrong> On its way from Arkhangelsk to Sabetta, the *Valery Vasiliev* loses all its cargo into sea.

What do we need to do to meet tomorrow's marine fuels challenges? By Bruce Abbott, President and COO, Genoil Inc. *Hellenic Shipping News* [Online]. 25 August 2016. Available from: <http://www.hellenicshippingnews.com/what-do-we-need-to-do-to-meet-tomorrows-marine-fuels-challenges/> Marine emissions legislation such as the current IMO's Marpol Annex VI regulation, which governs the amount of sulphur that can be used in fuel oils, have been major drivers for change in the shipping industry in recent years.

e-Navigation Underway (North America) 2016. By Eric Haun. *MarineLink.Com* [Online]. 24 August 2016. Available from: <http://www.marinelink.com/news/enavigation-underway414391.aspx> e-Navigation and the Gulf Area: meeting information needs where blue water, brown water and port facilities interact.

Shorter shipping routes through the Arctic are not necessarily more climate friendly. By Haakon-Elizabeth Lindstad. *London School of Economics United States Centre* [Online]. 24 August 2016. Available from: <http://blogs.lse.ac.uk/usappblog/2016/08/24/shorter-shipping-routes-through-the-arctic-are-not-necessarily-more-climate-friendly/> Long inaccessible to ships, as a consequence of global warming, much of the Arctic Ocean is now navigable in the summer months.

Preparing for a new deadline. By Malcolm Latache. *ShipInsight* [Online]. 25 August 2016. Available from: <https://www.shipinsight.com/preparing-for-a-new-deadline/> Recent announcements from engineering firm Harris Pye and shipbuilder and repairer DAMEN indicate that a scrubber bandwagon is beginning to roll.

BCC Research: Global implementation of BWTS drives huge growth. *Green4Sea* [Online]. 25 August 2016. Available from: <http://www.green4sea.com/bcc-research-global-implementation-of-bwts-drives-huge-growth/> BCC Research has revealed in its new report that the global shipping industry is scheduled to implement ballast water treatment systems in its entire vessel inventory between 2017 and 2021, which is spurring huge growth in the ballast water treatment market.

Growing The Maritime Sector: Government-Stakeholder Model. By Ken Kirkbum. *Leadership (Nigeria)* [Online]. 25 August 2016. Available from: <http://leadership.ng/opinions/547690> Globally the maritime sector is passing through challenges but it also provides opportunities for growth especially in developing countries where nobody can talk of excess capacity.

Listen to an expert discussion of Bering Strait Vessel Traffic. By Henry Huntington.

Pew Charitable Trusts [Online]. 25 August 2016. Available from: <http://goo.gl/qWp3nd>
As Arctic sea ice melts, ship traffic through the international waters of the Bering Strait has increased, heightening the risk of oil spills and other accidents. [Webinar](#) 

Launch of BICEPS Rating System to stimulate more sustainable ocean shipping.

Hellenic Shipping News [Online]. 25 August 2016. Available from:
<http://www.hellenicshippingnews.com/launch-of-biceps-rating-system-to-stimulate-more-sustainable-ocean-shipping/> The BICEPS Network, a joint initiative of five global shippers (AB InBev, AkzoNobel, DSM, FrieslandCampina and Huntsman) to leverage forces to stimulate more sustainable shipping,

More fully laden LPG tankers gather off Singapore awaiting buyers. By Seng Li Peng.

Reuters [Online]. 25 August 2016. Available from: <http://www.reuters.com/article/us-lpg-asia-demand-idUSKCN11010X> Tankers full of liquefied petroleum gas (LPG) are gathering off Singapore waiting for buyers as a flood of supply from the U.S. and Saudi Arabia has outpaced demand for the fuel, trade and industry sources said on Thursday.

RESEARCH

A quantitative assessment of Arctic shipping in 2010-2014. By V. M. Eguíluz, J.

Fernández-Gracia et al. *Scientific Reports*. [Online]. (2016). Available from:

<http://dx.doi.org/10.1038/srep30682> Rapid loss of sea ice is opening up the Arctic Ocean to shipping, a practice that is forecasted to increase rapidly by 2050 when many models predict that the Arctic Ocean will largely be free of ice toward the end of summer.

Improving alternative livelihood interventions in marine protected areas: A case study in Tanzania. By R. E. Katikiro. *Marine Policy*. [Online]. (2016). Available from:

<http://www.sciencedirect.com/science/article/pii/S0308597X16302160> Alternative livelihood programmes are often used in multiple-use marine protected areas as incentives, compensation for lost opportunities, or as intervention strategies for poverty alleviation.

Evidence for ship noise impacts on humpback whale foraging behaviour. By H. B. Blair, N. D. Merchant et al. *Biology Letters*. [Online]. (2016). Available from:

<http://rsbl.royalsocietypublishing.org/content/12/8/20160005.abstract> Noise from shipping activity in North Atlantic coastal waters has been steadily increasing and is an area of growing conservation concern, as it has the potential to disrupt the behaviour of marine organisms.

Is the detection of accelerated sea level rise imminent? By J. T. Fasullo, R. S. Nerem et al.

Scientific Reports. [Online]. (2016). Available from: <http://dx.doi.org/10.1038/srep31245>

Global mean sea level rise estimated from satellite altimetry provides a strong constraint on climate variability and change and is expected to accelerate as the rates of both ocean warming and cryospheric mass loss increase over time.

The *Current Awareness Bulletin* (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

Current and previous issues of CAB are archived at:
[Maritime Knowledge Centre](#)

To subscribe or unsubscribe, send an email with your contact details to:
maritimeknowledgecentre@imo.org

About the cover

The CAB Cover is a photograph of the international memorial to the world's seafarers, past, present and future which graces the entrance to IMO Headquarters in London. The memorial, a seven-metre high, ten-tonne bronze representation of the bow of a cargo ship with a lone seafarer on the deck, is the work of internationally renowned British sculptor Michael Sandle.