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.

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WHAT’S NEW

Connecting ships, ports and people: World Maritime Day 2017 theme launched by IMO Secretary-General

The importance of coherent and connected development across all maritime sectors will feature strongly in IMO’s work this year, as the Organization focuses on its World Maritime Day theme “Connecting ships, ports and people”.

The theme for 2017 was launched by IMO Secretary-General Lim during a visit to Felixstowe, the busiest container port in the United Kingdom. “Throughout the year, we will highlight the importance of ‘joined-up’ maritime development across all sectors, both from a policy and a practical perspective. The benefits of a free and efficient flow of goods and trade extend far beyond the ships and ports themselves,” Mr. Lim said.

“As a UN agency, IMO has a strong commitment to helping achieve the aims of the Sustainable Development Goals. Shipping and ports can play a significant role in helping to create conditions for increased employment, prosperity and stability through promoting maritime trade. The port and maritime sectors can be wealth creators, both on land and at sea,” Mr. Lim said. Full Story: Briefing 7 - 18/01/2017 View video here, photos here.

IMO MEETINGS FOR 2017

Sub-Committee on Human Element, Training and Watchkeeping (HTW)
4th session, 30 January – 3 February 2017

Sub-Committee on Pollution Prevention and Response (PPR),
4th session, 16 – 20 January 2017

IMO PRESS BRIEFINGS

IMO welcomes entry into force of financial security for seafarers
Briefing: 06, January 18, 2017

Successful cooperation for safe sea transport of oil told in new exhibition
Briefing: 05, January 17, 2017

Regional maritime piracy agreement broadened to cover other illicit maritime activity
Briefing: 04, January 13, 2017

IMO Secretary-General speaks out against regional emission trading system
Briefing: 03, January 09, 2017

Milestone for polar protection as comprehensive new ship regulations come into force
Briefing: 02, January 01, 2017

Safety for gas-fuelled ships – new mandatory code enters into force
Briefing: 01, January 01, 2017
RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Sub-Committee on Human Element, Training and Watchkeeping (HTW)
4th session, 30 January – 3 February 2017 (Opening remarks)

 International Conference on Maritime Energy Management (MARENER 2017), World Maritime University, Malmö, Sweden 24 January 2017

Sub-Committee on Pollution Prevention and Response (PPR)
4th session, 16 – 20 January (Opening remarks)

6th IMarEST Ballast Water Technology Conference 12 January 2017
UNITED NATIONS NEWS

Secretary-General António Guterres cites multilateralism, teamwork as critical to achieving UN goals. UN News Centre [Online]. 3 January 2017. Available from: http://www.un.org/apps/news/story.asp?NewsID=55902 🔗 On his first day in office, United Nations Secretary-General António Guterres called for teamwork, telling staff at the world body's New York Headquarters that it is not enough to the "do the right thing, we need to earn the right to do the right thing."

Climate change will lead to annual coral bleaching, UN-supported study predicts. UN News Centre [Online]. 5 January 2017. Available from: http://www.un.org/apps/news/story.asp?NewsID=55913 🔗 If current trends continue and the world fails to reduce greenhouse gas emissions, nearly all of the world's coral reefs will suffer severe bleaching – the gravest threat to one of the Earth's most important ecosystems – on annual basis, the United Nations environment agency today reported.


CASUALTIES

The fatal Zahro Express ferry accident in the Jakarta Bay has forced the government to revisit safety standards of sea transportation as preliminary indications have suggested that the ill-fated boat had design flaws even though it had passed safety tests.


Collision of Container Vessels WAN HAI 301 and APL DENVER. Maritime and Port Authority of Singapore (MPA) [Online]. 4 January 2017. Available from: http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/aba4760d-8e0e-430d-b632-8b05054ec797 At about 2350 hrs on 3rd January 2017, the Maritime and Port Authority of Singapore (MPA) was notified by the Johor Port Authority (JPA) of a collision between Singapore-registered container vessel WAN HAI 301 and a Gibraltar-registered container vessel APL DENVER off Pasir Gudang Port, Johor Malaysia.

UPDATE at 1700 hrs: Collision of Container Vessels WAN HAI 301 and APL DENVER. Maritime and Port Authority of Singapore (MPA) [Online]. 5 January 2017. Available from: http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/408c2e02-bb89-430a-a3d5-047007650ec5 The Maritime and Port Authority of Singapore (MPA) continues to coordinate the containment and clean-up efforts of the oil spillage in Singapore’s waters following the collision of container vessels WAN HAI 301 and APL DENVER

UPDATE 4: Collision of Container Vessels WAN HAI 301 and APL DENVER. Maritime and Port Authority of Singapore (MPA) [Online]. 6 January 2017. Available from: http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/06e03f09-b990-40f9-9f0f-f19792d3e11a The Maritime and Port Authority of Singapore (MPA) continues to coordinate the clean-up efforts of the oil spillage in Singapore’s waters following the collision of container vessels WAN HAI 301 and APL DENVER


7 fishermen hurt as ship rams boat off Kochi. The Hindu (India) [Online]. 9 January 2017. Available from: http://www.thehindu.com/todays-paper/tp-national/7-fishermen-hurt-as-ship-rams-boat-off-Kochi/article17010696.ece A major tragedy was averted as another fishing boat anchored nearby rescued the fishermen before their boat capsized.

Uni-Asia bulk carrier collides with fishing boat, two dead. By Lee Hong Liang.  

Uni-Asia Holdings has informed that one of its bulk carriers had collided with a fishing boat in South Korean waters on 11 January, leading to the capsize of the fishing boat and death of the two boat crew.

Pirates attack fishing boat in Philippine south, eight killed - coast guard.  

Armed men killed eight fishermen in what appeared to be an attack by pirates in dangerous waters in the southern Philippines, a coast guard spokesman said on Tuesday.

First attempt to tow tanker grounded off Cape Breton ends in failure.  

An attempt to tow a vessel grounded off Cape Breton ended in failure Tuesday evening when the salvage contractor couldn't remove enough ballast water from the ship, according to the Canadian Coast Guard.


On Tuesday 10 January at 02.43 AM local time, our container vessel *Gustav Maersk* grounded in the Messina Strait, while en route from Rijeka, Croatia, to Gioia Tauro, Italy.

Minister demands Danish report on Maersk shipwreck. By Niklas Krigslund.  

France's Minister of Environment and former presidential candidate Ségolène Royal is now entering the case regarding the two Maersk vessels which sank off the coast of France just before Christmas.

Grounded tanker freed from Cape Breton shore. By David Burke.  

The grounded bunkering tanker *Arca 1* has been freed from the coast of Little Pond, N.S., and is now tied to a dock in the Sydney harbour after being stranded for a week.

1 survives, 10 missing as ship sinks near Corregidor. By Betheena Kae Unite.  

A cargo vessel caught fire and sank off Caballo Island at the mouth of Manila Bay between Corregidor Island and Cavite early Tuesday, January 17, the Philippine Coast Guard reported.

The *MSC NAPOLI* - ten years on.  

Ten years ago today, the *MSC Napoli*, a 275 metre (900ft) long container ship was on passage in the English Channel when she got caught in stormy weather and suffered catastrophic hull damage.
Ten years to the day *MSC Napoli* beached in Devon. By Daniel Clark.  
*Torquay Herald Express* [Online]. 18 January 2017. Available from:  
It is ten years to the day when the container ship *MSC Napoli*, measuring 275 metres long, was caught in stormy weather in the English channel.

All passengers safely evacuated after ferry fire this morning - Isle of Wight.  
*UK Maritime & Coastguard Agency* [Online]. 19 January 2017. Available from:  
[http://hmcoastguard.blogspot.co.uk/2017/01/all-passengers-safely-evacuated-after.html](http://hmcoastguard.blogspot.co.uk/2017/01/all-passengers-safely-evacuated-after.html)  
At about 9.30 today the St Faith Wight Link car ferry contacted the UK Coastguard reporting a fire on their bridge wing port side.

A convoy of four vessels, two bulk carriers and two icebreakers, is trapped by ice off the coast of Chukotka Peninsula, according to Russian Emergencies Ministry's Directorate for the Chukotka Autonomous Area.

A person has died in what has been described as an "explosion" on board a ship at the Port of Felixstowe.

Twelve people are confirmed dead and about 25 missing after a boat believed to be carrying Indonesian illegal immigrants capsized in rough seas off Malaysia, an official said in an update on Tuesday (Jan 24).

The Sunken Lighthouse is TradeWinds' podcast exploring the sinking of the containership/ro-ro *El Faro*, a TOTE Maritime-controlled ship whose loss killed all 33 people onboard.

Captain, crew arrested over deadly Sabah boat capsize. *Malay Mail Online* [Online]. 30 January 2017. Available from:  
Police have arrested a boat skipper and crew member for gross negligence over a catamaran accident off Kota Kinabalu that killed at least three people.

Ship collision spills 1 tonne oil, turns up dead turtles, fish. By Abdullah Nurullah.  
*Times of India* [Online]. 30 January 2017. Available from:  
Dead turtles and fish floated on the sea at Ernavur, near Ennore, a day after the fuel tank of an oil tanker ship burst following a collision with an LPG carrying vessel.
ENVIRONMENT


Arctic – Antarctic – With more and more ships navigating in polar waters, the International Maritime Organization (IMO) has moved to address international concern about the protection of the polar environment and the safety of seafarers and passengers with the introduction of new regulations that all ships operating in these harsh and challenging waters must comply with.


The Blue Economy. WWF [Online]. 17 January 2017. Available from: http://d2ouvy59p0dq6k.cloudfront.net/downloads/thecircle0416_1.pdf The Blue Economy concept provides us with a useful lens to understand the importance and value of the marine economy and how industrial activities, transportation, livelihoods, food security, recreational activities and ecosystems are linked.

$2.5-trillion-ocean-economy-20170121  World Economic Forum (WEF) has announced a
partnership to help improve the health of the world's oceans and maritime resources.

Western Indian Ocean valued at US$333.8 billion but at a crossroads. *WWF* [Online].
24 January 2017. Available from: http://wwf.panda.org/wwf_news/?290410/Western-Indian-
Ocean-valued-at-US3338-billion-but-at-a-crossroads  A groundbreaking new report finds
the ocean assets of the Western Indian Ocean region are valued conservatively at US$333.8
billion but foreshadows significant challenges for the region's ocean-based economies and food
supplies in the absence of stronger conservation actions.

Reviewing the Western Indian Ocean Economy: Summary  Full Report

Available from: http://www.thearcticinstitute.org/arctic-hot-not/  Environmental changes in the
Arctic are making the region more accessible which many believe will lead to competition and
conflict over its resources.

Arctic Commitment Signatories Demand Arctic Shipping Clean Up. *Clean Arctic Alliance*
commitment/  A world-leading expedition cruise ship operator today joined international
environmental organisations to spearhead the protection of Arctic communities and ecosystems
from risks posed by the use of marine heavy fuel oil (HFO) to power ships, at the Arctic Frontiers
conference in Tromsø, Norway.

New incentive for cargo and cruise vessels intended to quiet waters around the Port of
The Vancouver Fraser Port Authority has launched an industry-leading incentive program for
marine vessels operating in the Port of Vancouver, aimed at addressing concerns about
underwater vessel noise affecting at-risk marine life.  The effects of vessel underwater noise
on whales and what mariners can do about it -- Infographic

Ten companies slowed ships in Santa Barbara Channel region 2016 program to protect
Available from: https://www.ajot.com/news/ten-companies-slowed-ships-in-santa-barbara-
channel-region-2016-program-to  The partners in an initiative to cut air pollution and protect
whales announced results from the 2016 voluntary incentive program and publicly recognized
the ten shipping companies who participated, reducing speeds in the Santa Barbara Channel
region to 12 knots or less.

People around the world are helping the US save its climate data. By Carolyn Beeler.
https://www.pri.org/stories/2017-01-26/people-around-world-are-helping-us-save-its-climate-data

Michelle Murphy is a professor in Canada, but her research on the Great Lakes depends on
water quality data collected by her neighbours to the south.

Sounding the alarm on underwater noise. By Chris Lo. *Ship-Technology.Com* [Online],
the-alarm-on-underwater-noise-5725953/  Comprehensive data on the potential damage caused
by underwater shipping noise is lacking, but larger-scale studies have begun to emerge.

**ENVIRONMENTAL POLLUTION**


Cape Breton fishermen concerned about possible oil spill from stranded oil tanker. *CTV News (Canada)* [Online]. 9 January 2017. Available from: [http://atlantic.ctvnews.ca/cape-breton-fishermen-concerned-about-possible-oil-spill-from-stranded-oil-tanker-1.3234357](http://atlantic.ctvnews.ca/cape-breton-fishermen-concerned-about-possible-oil-spill-from-stranded-oil-tanker-1.3234357)  While the Transportation Safety Board is investigating how and why an oil tanker ran aground off Cape Breton on the weekend, concern is growing among local fishermen worried about a possible oil spill when the vessel is moved.


Oil bottles lead to AMSA investigation. Tangaroa Blue Foundation (Australia) [Online]. 20 January 2017. Available from: http://www.tangaroablue.org/amdi/amdl-program/wa/721. During the Western Australian Beach Clean-up event in October 2016, two bunker oil bottles were discovered in the Leeuwin Naturaliste National Park by volunteers.


44 invading species 'loose' in North Atlantic, study shows. By Alan Williams. Plymouth University (UK) [Online]. 27 January 2017. Available from: https://www.plymouth.ac.uk/news/44-invading-species-loose-in-the-north-atlantic-study-shows. Accidental introductions of non-native species has been of increasing concern since the 1980s when human-mediated transportation, mainly related to ships' ballast water, was recognised as a major route by which species are transported and spread.

HEALTH


HEALTH AND SAFETY

Taking the livestock campaign to the IMO. By Sam Chambers. Splash 24/7 [Online]. 23 December 2016. Available from: http://splash247.com/taking-livestock-campaign-imo/. Given Lynn's superb reportage on the horrors that crews face when working on these livestock carriers.

MARTHA fatigue report is launched at the IMO. *InterManager* [Online]. 31 January 2017. Available from: [https://www.intermanager.org/2017/01/martha-fatigue-report-is-launched-at-the-imo/](https://www.intermanager.org/2017/01/martha-fatigue-report-is-launched-at-the-imo/) InterManager, the trade association for in-house and third party ship managers, together with The Warsash Maritime Academy, has presented the findings of its fatigue study, Project MARTHA, to The International Maritime Organization (IMO). [Project MARTHA Final Report](https://www.intermanager.org/2017/01/martha-fatigue-report-is-launched-at-the-imo/)

**IMO**


By complaining to Europe, is IMO boss aligning himself with shipping's climate laggards? - NGOs reaction. *Clean Shipping Coalition (CSC)* [Online]. 11 January 2017. Available from: [http://www.cleanshipping.org/complaining-europeIMO-boss-aligning-shippings-climate-laggardsNGOs-reaction/](http://www.cleanshipping.org/complaining-europe IMO-boss-aligning-shippings-climate-laggardsNGOs-reaction/) The Clean Shipping Coalition (CSC), a group of NGOs with observer status at the UN's International Maritime Organisation (IMO), have heavily criticised comments by the head of the IMO warning the EU against taking action to address increasing GHG emissions from ships.


"IMO has our full support in the mitigation of global GHG emissions from ships". International Association of Dry Cargo Shipowners (INTERCARGO) [Online]. 12 January 2017. Available from: http://www.intercargo.org/en/?option=com_attachments&task=download&id=367

INTERCARGO expresses its full support and total alignment with IMO Secretary-General Kitack Lim's concerns that including shipping in the European Union's Emission Trading System (EU-ETS) could undermine efforts to reduce greenhouse gas (GHG) emissions from ships on a global basis.


The University of Trinidad and Tobago (UTT) has been selected by the International Maritime Organization (IMO) to host the regional Maritime Technology Cooperation Centre (MTCC) for the Caribbean.


The International Maritime Organization should focus on regulating shipping's greenhouse gas emissions rather than raise complaints, was the European Commission's response to the organisation's grief over the EU's revised emissions trading system.


On December 27, IMO (International Maritime Organization) announced that SMU will host the MTCC (Maritime Technology Cooperation Centre) for the Asia region under the Global MTTC Network (GMN) project.


The International Marine Contractors Association (IMCA) believes that the roadmap adopted by the Marine Environment Protection of IMO (MEPC 70) to develop a comprehensive strategy to reduce greenhouse gases (GHG) emissions globally from shipping provides the right framework for moving forward on this vital issue.


The International Maritime Organization's (IMO's) Secretary-General Kitack Lim, Thursday said more efficient shipping will be a key factor in ensuring global stability.


A dispute has flared up again between the EU and the IMO, over which entity is responsible for taking action to reduce carbon emissions from the shipping sector.
Federal Transport Authority submits results of mandatory check conducted by IMO.  

IMO plans for sulphur cap are ’a mess’ says UAE ship manager.  
By James Henderson.  
A high-ranking member of the UAE’s shipping community has hit out at the IMO decision to implement a low sulphur cap on marine fuels by 2020.

**LAW AND POLICY**

Mudit Singh: Increasing bunker disputes.  
By Mudit Singh.  
The Club has recently experienced an increase in the number of bunker quality dispute claims arising from the delivery of allegedly off-specification or contaminated bunkers.

Ministry fires Muara Angke port master after fatal boat incident.  
By Safrin La Batu.  
The Transportation Ministry has fired Muara Angke port master Deddy Junaedi after the Zahro Express boat that was leaving the port for Thousand Islands on Sunday exploded, killing 23 passengers.

Marina maximizes efforts for PH to be compliant with STCW Convention and Code.  
By Rebecca Strating.  
The government of Timor-Leste has officially notified Australia of its wish to terminate the 2006 Treaty on Certain Maritime Arrangements in the Timor Sea (CMATS).

The Government of Timor-Leste has notified Australia on January 10, 2017 of its intention to terminate the Treaty on Certain Maritime Arrangements in the Timor Sea, signed in 2006.


Fishermen’s union Matsya Thozhilali Aikya Vedi has demanded the arrest of the captain of the ship that was involved in an accident in the early hours of Sunday off the coast of Kayamkulam.


The fishing community has demanded stringent laws and an enhanced monitoring system to tackle errant ships in the wake of the ‘hit and run’ case in which a fishing boat sank after it was hit by a container ship off Alappuzha on Sunday.


The United States and Cuba signed a bilateral agreement to prepare for and respond to oil spills and hazardous substance pollution in the Gulf of Mexico and the Straits of Florida on January 9, 2017.


China said it had the right to act in its own territory in the disputed South China Sea, pushing back after President-elect Donald Trump’s nominee for secretary of state said Beijing must be denied access to reclaimed reefs.


Under the terms of the MoU, DIAC and EMAC will cooperate to host and lead workshops, seminars, conferences, presentations and educational activities focusing on arbitration, conciliation, mediation and dispute resolution in general.


Two Greek shipping companies were sentenced yesterday to pay corporate penalties totalling $2.7 million after being convicted for obstructing justice, violating the Act to Prevent Pollution from Ships (APPS), tampering with witnesses and conspiracy.


The Solomon Islands Government is encouraged to comply with the International Maritime Organisation Conventions by investing in its shipping industry.
Supreme Administrative Court upholds decision to nullify Red Sea islands agreement.


In this letter CAN Europe, Seas At Risk, Transport & Environment, Carbon Market Watch and the Aviation Environment Federation urge the European Commission to ensure the aviation and maritime sectors reduce emissions in line with the temperature goals of the Paris Agreement.


**Environment and Natural Resources Division Announces 2016 One of its Most Successful Years in History.** *US Department of Justice* [Online]. 13 January 2017. Available from: https://www.justice.gov/opa/pr/environment-and-natural-resources-division-announces-2016-one-its-most-successful-years The Department of Justice’s Environment and Natural Resources Division announced today the publication of its accomplishments in 2016, documenting one of the most successful years in its history of over a century, including the highest recoveries in environmental enforcement, record-setting recoveries in natural resource damages, and the highest criminal penalties handed down in individual vessel pollution and Lacey Act trafficking cases.

**Migration: How to stop the rising tide of death in Mediterranean.** By Jens Pagotto, Head of Médecins Sans Frontière. *Médecins Sans Frontières (MSF)* [Online]. 18 January 2017. Available from: http://www.msf.org/en/article/migration-how-stop-rising-tide-death-mediterranean The number of people who have died trying to reach Europe by crossing the Mediterranean has reached an all-time high and is becoming comparable to what Médecins Sans Frontières (MSF) is used to seeing in war zones.

Spanish tuna fleet urges EU to include other policies to achieve true ocean governance. Undercurrent News [Online]. 20 January 2017. Available from: https://www.undercurrentnews.com/2017/01/20/spanish-tuna-fleet-urges-eu-to-include-other-policies-to-achieve-true-ocean-governance/ The Spanish tuna fleet has stressed the importance of coordinating the common fisheries policy (CFP) with other European policies.

Our opportunity to halt the ocean’s decline. By Peter Thomson. World Economic Forum [Online]. 19 January 2017. Available from: https://www.weforum.org/agenda/2017/01/our-opportunity-to-halt-the-ocean-s-decline The ocean is in trouble. Its bill of health does not make for happy reading, and there is clear conclusion that human-based activities are the cause of the ocean’s decline.


The Ocean Challenges Before Us Require All Hands on Deck. By Fanny Douvere, Coordinator, Marine Programme, UNESCO World Heritage Centre. National Geographic [Online]. 25 January 2017. Available from: http://voices.nationalgeographic.com/2017/01/25/the-ocean-challenges-before-us-require-all-hands-on-deck/ Last year was one of extremes for the world’s ocean. We celebrated the protection of vast swaths of ocean, along with some important advances in marine protected area management.
Australia, East Timor aim to agree maritime border by Sept. By Colin Packham. *Reuters* [Online]. 24 January 2017. Available from: [http://uk.reuters.com/article/australia-timor-idUKL4N1FE09S](http://uk.reuters.com/article/australia-timor-idUKL4N1FE09S). Jan 24 Australia and East Timor said on Tuesday they aim to reach an agreement on a maritime border by the end of September, which would end a decade-old row between the two nations that has stalled a $40 billion offshore gas project.


**After the oil: Norway seeks new fortunes at sea. By Martin Breum. *EU Observer* [Online]. 27 January 2017. Available from: [https://euobserver.com/nordic/136678](https://euobserver.com/nordic/136678). Some 2,000 officials, scientists and business leaders gathered at the annual Arctic Frontiers conference in the northern city of Tromsoe this week to hear how a new Norwegian oceans strategy, to be launched later this year, will pave the way.


### MARINE TECHNOLOGY

**Cleaning up: is enough being done to progress oil spill technologies? *Offshore Technology* [Online]. 3 January 2017. Available from: [http://www.goo.gl/XC0PUX](http://www.goo.gl/XC0PUX). Six years on the damage caused by the BP Deepwater Horizon spill to the nearby shoreline has been revealed in a new study conducted by the US Geological Survey and NASA.

Japanese SOx Scrubber System for Ships Acquires First Certification from Country of Ship Registration - PerformanceVerified in Testing on "DRIVE GREEN HIGHWAY".
*Mitsubishi Heavy Industries, Ltd.* [Online]. 12 January 2017. Available from: [https://www.mhi-global.com/news/story/170112.html](https://www.mhi-global.com/news/story/170112.html) For almost a year Kawasaki Kisen Kaisha, Ltd. ("K" Line), Mitsubishi Heavy Industries, Ltd. (MHI) and Mitsubishi Kakoki Kaisha, Ltd. (M KK) have been undertaking test operations aboard an actual ship of a newly-developed "Hybrid SOx Scrubber System" for removing sulfur oxides (SOx) from the exhaust gas emitted by marine diesel engines.


HKUST Professor Wins State Science Award for Discovery that Could Remap Marine Ecosystem and Boosts Efficiency for Shipping Industry. *Hong Kong University of Science and Technology (HKUST)* [Online]. 24 January 2017. Available from: [http://www.goo.gl/5t4ZLN](http://www.goo.gl/5t4ZLN) Researchers at The Hong Kong University of Science and Technology (HKUST) has uncovered a century-old mystery on marine benthos organisms, which not only leads to the finding of a non-toxic anti-fouling coating that could help the shipping industry saves fuel consumption, but also opens the gateway for future studies that could remap the marine ecosystem.

Do not delay installing BWMSs urge industry bosses. By Rebecca Moore. *Passenger Ship Technology* [Online]. 23 January 2017. Available from: [http://www.passengership.info/news/view,do-not-delay-installing-bwms-urge-industry-bosses_46200.htm](http://www.passengership.info/news/view,do-not-delay-installing-bwms-urge-industry-bosses_46200.htm) IMO is not making a decision about the implementation deadline for ballast water management systems (BWMSs) until July this year – and this has slowed down the ordering of these systems as shipowners wait for a decision, says Christopher Todd, executive director at Calgon Carbon UV Technologies and Hyde Marine.


**Understanding the opportunities for the wider use of LNG as a marine fuel and tackling commercial barriers is crucial**. *SeaLNG* [Online]. 26 January 2017. Available from: [http://sea-lng.org/sealing-understanding-the-opportunities-for-the-wider-use-of-lng-as-a-marine-fuel-and-tackling-commercial-barriers-is-crucial/](http://sea-lng.org/sealing-understanding-the-opportunities-for-the-wider-use-of-lng-as-a-marine-fuel-and-tackling-commercial-barriers-is-crucial/) SEALNG, the multi-sector industry coalition aiming to accelerate the widespread adoption of liquefied natural gas (LNG) as a marine fuel, today stated that a collaborative approach to understanding the opportunities and then tackling the associated commercial barriers to LNG is crucial to encourage its use as an alternative to traditional bunker fuels.
Australia and Japan develop safety standards for shipping liquid hydrogen.

Danish quality shipping promoted by inspection campaigns abroad.

Domestic ferry safety: Adopting a safety management system. By Brenda V. Pimentel.


Viking’s new LifeCraft reveals strong integration benefits. By Rebecca Moore.

MARITIME SECURITY

Government to set up an academy to train police on combating sea crime.  

Stowaways: the hidden problem at sea.  

Boxship attacked off Mindanao.  
By Sam Chambers.  *Splash 24/7* [Online]. 4 January 2017.  Available from:  

IMB report: Sea kidnappings rise in 2016 despite plummeting global piracy.  

Key anti-piracy personnel in Asia and Africa attend inaugural meeting and workshop to foster closer ties and information sharing.  
*Maritime and Port Authority of Singapore (MPA)* [Online]. 11 January 2017.  Available from:  
[http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/a9744116-9d48-4f64-a807-b45db2df092b](http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/a9744116-9d48-4f64-a807-b45db2df092b) The inaugural Meeting of Anti-Piracy Contact Points and Workshop on Piracy and Armed Robbery against Ships involving participants from Africa, Asia and Europe was held in Singapore today.

Saudi Arabia calls for tougher policies to prevent maritime crimes.  
[https://www.zawya.com/mena/en/story/Saudi_Arabia_calls_for_tougher_policies_to_prevent_maritime_crimes-ZAWYA20170111032638](https://www.zawya.com/mena/en/story/Saudi_Arabia_calls_for_tougher_policies_to_prevent_maritime_crimes-ZAWYA20170111032638) Saudi Arabia's efforts to promote regional and international cooperation to achieve security and maritime safety are the focus of a conference taking place here.

Global Cybersecurity Threats to the Maritime Sector.  
By Norman M. Krayem.  *Holland & Knight LLP* [Online]. 10 January 2017.  Available from:  
[https://www.hklaw.com/Publications/Global-Cybersecurity-Threats-to-the-Maritime-Sector-01-10-2017](https://www.hklaw.com/Publications/Global-Cybersecurity-Threats-to-the-Maritime-Sector-01-10-2017) As cybersecurity risks to the nation's critical infrastructure – including those parts in the transportation and maritime sectors – continue to grow, the incoming Trump Administration has made it clear that cybersecurity is one of its top priorities.

Danish plane to monitor EU's external borders in the Mediterranean.  
*Government of Denmark* [Online]. 10 January 2017.  Available from:  

**Australia and Mauritius collaborate on Maritime Safety and Security.**


**MARITIME TRAINING**

**Inspection of Certification for Seafarers under STCW after 1 January 2017.**

Available from: http://www.fijitimes.com/story.aspx?id=385058 Fiji seafarers and other stakeholders need to understand new requirements they need to meet to revalidate their certification so Fiji adheres to international standards.

U.S. Merchant Marine Academy Reinstates Sea Year... Sort Of. By Mike Schuler. gCaptain [Online]. 11 January 2017. Available from: http://gcaptain.com/u-s-merchant-marine-academy-reinstates-sea-year-sort/ The U.S. Department of Transportation has announced its plan to restore Sea Year training as part of the curriculum for Midshipmen at the United States Merchant Marine Academy (USMMA), but details of when and how it will be reinstated remain somewhat sketchy.


"Lifeboat management, more training needed". By Alberto Ghiara. MediTelegraph (Italy) [Online]. 13 January 2017. Available from: http://www.themeditelegraph.com/en/shipping/2017/01/13/lifeboat-management-more-training-needed-TDKJ7NvL0b2xJt0yLLx3M/index.html The management of lifeboats is one of the most delicate tasks in the management of safety on board a ship.


An Urgent Call To Let 'Sea Year' Help Maritime Security And American Labor.

By Captain R J Klein, Immediate Past President, Council of American Master Mariners.


With the nomination of Elaine Chao to be secretary of transportation, policymakers have an opportunity to resolve a little-known controversy that has major implications for the U.S.-flagged commercial fleet and our national security.

Danish shipping firm to boost Kenya's marine cadets' capacity. By Cynthia Ilako.


The state department for Maritime and Shipping Affairs is counting on a training partnership with Danish shipping company- Det Forenede Dampskibs-Selskab to boost local marine cadets' capacity.

Technology transforming seafarer training demands, Nautilus warns.


Radical change is required in the way that seafarers are trained if the shipping industry is to avoid the risk of crew competencies falling way behind, Nautilus has warned.

MIGRANTS


Latest Mediterranean tragedy pushes number of people perishing in 2016 beyond 5,000 – UN. UN News Centre [Online]. 23 December 2016. Available from: http://www.un.org/apps/news/story.asp?NewsID=55868 📊 Highlighting that the number of casualties in the Mediterranean Sea this year has crossed 5,000 with the latest reports of about 100 people feared to have drowned, the United Nations refugee agency has called on countries to increase pathways for admission of refugees.


**Questions & Answers: Migration on the Central Mediterranean route**

**NAVIGATION AND COMMUNICATIONS**


Northern Norway and South Korea join efforts about the Northern Sea Route.


A leading role for the Philippines. By Jaime J Yambo, Secretary-General, Philippine Ambassadors Foundation, Inc. *Manila Times* [Online]. 21 January 2017. Available from: http://www.manilatimes.net/leading-role-philippines/308025/ Since the beginning of SCS conflict situation there has been no disruption in the regional seaborne traffic in the South China Sea which is among the busiest in the world.


**PIRACY**


Pirates attacking bigger ships off Philippines for ransom money. *Straits Times* [Online]. 13 January 2017. Available from: http://www.straitstimes.com/asia/se-asia/pirates-attacking-bigger-ships-off-philippines-for-ransom-money Asian pirates are focusing more of their attacks on larger merchant ships near the Philippines, hoping for bigger ransom payments from kidnapping their crew, the head of a regional anti-piracy body said on Friday (Jan 13).

Oceans Beyond Piracy: freeing the hostages and intensifying the dialog.
PORT STATE CONTROL


PORTS AND HARBOURS


Drewry: New Alliances to Have Limited Effect on Ports. World Maritime News [Online]. 9 January 2017. Available from: http://worldmaritimcnwes.com/archives/210032/drewry-new-alliances-to-have-limited-effect-on-ports/ The seemingly never ending move towards reduced service frequency may be coming to an end for North European ports, even with the formation of the bigger alliances in April, according to shipping consultancy Drewry.
OECD: Port of Gothenburg in need of investments. By Tomas Kristiansen. ShippingWatch [Online]. 11 January 2017. Available from: http://shippingwatch.com/secure/Ports/article9283581.ece Scandinavia's by-far most important container port, the Port of Gothenburg, will soon have to decide on massive investments totalling hundreds of millions of dollars if the port wants to maintain its leading position going forward.


ESPO: Ports will fight for funding this year. By Mette Mandrup. ShippingWatch [Online]. 18 January 2017. Available from: http://shippingwatch.com/secure/Ports/article9300413.ece Common European legislation was in the works for 15 years and was settled last month.


The first legislative Act of the "EU Maritime year" creates more expectations for an enabling framework for private investments in ports. FEPORT (Federation of European Private Port Operators and Terminals) [Online]. 24 January 2017. Available from: http://www.goo.gl/a9DJg6 Yesterday, the European Agriculture Council has concluded the procedure, at first reading concerning the Ports Regulation, by formally adopting the text.


**RECYCLING OF SHIPS**


Indian breakers’ yards able to adopt responsible recycling methods, says GMS chief. By Inderpreet Walia. Lloyd’s List [Online]. 6 January 2017. Available from: https://www.lloydslist.com/l/II/sector/regulation/article546674.ece Amid ongoing safety and environmental concerns linked to the ship recycling industry, some breaking yards in India as well as Bangladesh have made laudable efforts to adopt green practices and standards, said GMS founder, president and chief executive Anil Sharma.
At least five killed in fire at Gadani ship-breaking yard; ship owner arrested. *GEO TV (Pakistan)* [Online]. 9 January 2017. Available from: [https://www.geo.tv/latest/126630-Fire-erupts-again-in-ship-at-Gadani-ship-breaking-yard](https://www.geo.tv/latest/126630-Fire-erupts-again-in-ship-at-Gadani-ship-breaking-yard) At least five workers were killed and several were reported to be missing after a ship caught fire at Gadani ship-breaking yard on Monday for the second time in less than a month, rescue sources said.


**ECSA sees one upside to the EU’s scrapping regulations.** By Louise Vogdrup-Schmidt. *ShippingWatch* [Online]. 23 January 2017. Available from: [http://shippingwatch.com/carriers/article9311307.ece](http://shippingwatch.com/carriers/article9311307.ece) The European Community Shipowners’ Associations, ECSA, has voiced fierce criticism toward the EU’s list of approved ship recycling facilities.


**Class NK has approved more Alang shipbreakers.** By Niklas Krigslund. *ShippingWatch* [Online]. 30 January 2017. Available from: [http://shippingwatch.com/secure/suppliers/article9327224.ece](http://shippingwatch.com/secure/suppliers/article9327224.ece) Three new scrapyards in Alang have now been certified as being in compliance with the Hong Kong convention.
REGULATIONS

Looking back at the last couple of years, the maritime sector has witnessed some definite changes concerning certain types of ship emissions.

As Polar Code takes effect, a mixture of confidence and concern. By Kevin McGwin.  
*Arctic Journal* [Online]. 29 December 2016.  Available from:  
The first thing that almost anyone familiar with the Polar Code, a set of shipping regulations due to come into force on January 1, will tell you is that it is flawed.

Sulphur oil and ballast water treatment will dominate shipping's rules' compliance moving forward.  
*Hellenic Shipping News* [Online]. 5 January 2017.  Available from:  
Shipowners around the world are faced with increasing costs, which could offset any potential rebound of freight rates over the course of the next year or so, as a series of new regulations are bound to necessitate new investments in the existing fleet.

*US Coast Guard Maritime Commons* [Online]. 9 January 2017.  Available from:  
The Code applies to vessels which operate in polar waters, as defined in the applicable sections of MARPOL.

Polar Code heralds a new era of safer navigation in Arctic waters. By Lawson Brigham.  
*Alaska Dispatch News* [Online]. 10 January 2017.  Available from:  
A historic milestone was reached on New Year's Day 2017 when the International Maritime Organization's Polar Code for Ships Operating in Polar Waters came into force.

Seeking member views: Draft UK Regulation implementing EU Regulation on the monitoring, reporting and verification of CO2 emissions from maritime transport.  
*Institute of Marine Engineering, Science and Technology (IMarEST)* [Online]. 11 January 2017.  Available from:  
The EU Regulation No 2015/757 establishes rules for monitoring, reporting and verifying CO2 emissions from ships above 5,000 gross tonnage which make voyages that start or finish in a port in an EU Member State.

Subsea Industries Pushes for Regs to Prevent Biofouling on Ship Hulls.  
The International Maritime Organization's (IMO's) Ballast Water Management (BWM) Convention, which is set to enter into force in September 2017, will not prevent the transfer of invasive aquatic species (IAS) unless there is mandatory legislation in place to prevent biofouling on ships' hulls, says coating and cleaning systems producer Subsea Industries (Subsea).
SAFETY

Pilot transfers – still a risky business. *Gard* [Online]. 3 January 2017. Available from: http://www.gard.no/web/updates/content/22526982/gard-alert-pilot-transfers-still-a-risky-business IMPA’s safety campaign draws attention to shipowners’ responsibility to provide compliant pilot ladder arrangements and to ensure that the transfer process is undertaken in line with SOLAS.

SAVAGE


SEAFARERS

Piracy survivors in Sri Lanka. *International Seafarers’ Welfare and Assistance Network (ISWAN)* [Online]. 3 January 2017. Available from: http://seafarerswelfare.org/news-media/latest-news/piracy-survivors-in-sri-lanka Sri Lanka has about 70 seafarers who have been held hostage by Somali pirates since 2009, and some of these have been supported by Chirag Bahri.

Over 40 Indian sailors stranded in UAE in 'leaking ships', send SOS: Reports. *Indian Express* [Online]. 6 January 2017. Available from: http://indianexpress.com/article/india/over-40-indian-sailors-stranded-in-uae-in-leaking-ships-reports-4461350/ As many as 41 Indian sailors in four merchant ships are stranded in UAE’s Ajman anchorage after their owner seized their passports and was untraceable, reports Times of India.


**Philippine Islamist militants free Korean and Filipino from cargo ship.** *Reuters* [Online]. 14 January 2017. Available from: [http://www.reuters.com/article/us-philippines-militants-kidnapping-idUSKBN14Y07K](http://www.reuters.com/article/us-philippines-militants-kidnapping-idUSKBN14Y07K) Islamic militants in the Philippines allied with Islamic State freed on Saturday a South Korean cargo ship captain and a Filipino member of his crew held captive for more than three months on a southern island, an army spokesman said.


Indian sailors stranded in Norfolk port by ‘modern-day slavery’. By Mark Townsend.  
A routine inspection of the offshore supply vessel Malaviya Twenty at Great Yarmouth last June found what unions describe as “modern-day slavery” – 15 Indian crew had not been paid for months while working in the oilfields of the North Sea.

Sailors’ Society launches Crisis Response Network Asia as kidnappings treble.  
Southampton charity Sailors’ Society is launching a crisis response network to help victims of trauma at sea in Asia, as kidnappings at sea reach their highest levels in 10 years.

http://www.bbc.co.uk/programmes/b08bynr9  
More seafarers were kidnapped at sea last year than over the past decade.

SEARCH AND RESCUE

Dubai Police’s Maritime Rescue Department handled 289 sea missions and responded to 73 accidents in 2016, some of which were drowning cases, an official has said.

Danish merchant ships rescuing fewer refugees in the Mediterranean.  
Hellenic Shipping News [Online]. 29 December 2016. Available from:  
Danish commercial vessels, such as Maersk Line containerships, have played an important role in rescue operations in the Mediterranean in recent years, but their assistance has become less needed this year.

IOM has carried out first aid training courses in Libya with rescuers involved in migrant lifesaving operations in the Mediterranean Sea.

Japanese coast guard rescues 26 North Koreans from sinking ship.  
South China Morning Post [Online]. 12 January 2017. Available from:  
Japan rescued 26 North Koreans after they abandoned their sinking cargo vessel in the East China Sea, the coast guard said on Thursday.

Tourist rescued by ship after being washed six kilometres out to sea on surfboard. By Angela Thompson.  
Sydney Morning Herald (Australia) [Online]. 13 January 2017. Available from:  
A surfer has survived a night at sea after he was swept six kilometres off the coast from a beach near Wollongong, with only his board to keep him afloat.


**SHIPBUILDING AND SHIPREPAIR**


265 new ships represent the real challenge facing the tanker industry. By Tomas Kristiansen. *ShippingWatch* [Online]. 26 January 2017. Available from: [http://shippingwatch.com/secure/carriers/Tanker/article9320237.ece](http://shippingwatch.com/secure/carriers/Tanker/article9320237.ece) Although the delivery of new tankers in 2016 was actually much lower than many market observers had expected, these ships still represent the single greatest challenge for the segment.

**SHIPPING**


**Infographic: Top 10 Shipowning Nations.** *World Maritime News* [Online]. 9 January 2017. Available from: http://worldmaritimenews.com/archives/209977/infographic-top-10-shipowning-nations/ The shipping industry sailed through difficult times during 2016, and today we take a look at how these conditions influenced the shipowners through an infographic showing the top 10 shipowning nations by value (USD million), provided by VesselsValue.


**Guide for LNG Bunkering.** *ABS (American Bureau of Shipping)* [Online]. January 2017. Available from: http://www.qoo.gl/SrloZx This Guide has been developed to outline the requirements for the design, construction, and survey of liquefied gas carriers and barges fitted with dedicated LNG transfer arrangements and intended to operate in regular LNG bunkering service.


Maritime and Coastguard Agency appoint new Director of the UK Ship Register. *UK Maritime & Coastguard Agency* [Online]. 16 January 2017. Available from: [http://hmcoastguard.blogspot.co.uk/2017/01/maritime-and-coastguard-agency-appoint.html](http://hmcoastguard.blogspot.co.uk/2017/01/maritime-and-coastguard-agency-appoint.html) Doug Barrow, currently chief executive of Maritime London - where he has been promoting the UK as a centre of maritime excellence for business - says he is honoured to be taking on the role and looking forward to leading the team.


Is 2017 The Apex Of Shipping? By Captain George Livingstone. *gCaptain* [Online]. 17 January 2017. Available from: [http://gcaptain.com/the-future-of-trade/](http://gcaptain.com/the-future-of-trade/) Well 2016 was quite a year for international shipping; the new ultra large locks of Panama Canal opened, the expanded Suez Canal went into high gear, one of the biggest container shipping lines in the world went bankrupt and national elections around the world delivered a distinct message (Brexit, Philippines, USA, Italy, etc.).
Interview: Peter Hinchliffe, Secretary-General, International Chamber of Shipping, ICS. By Lena Göthberg. Shipping Podcast [Online]. 13 January 2017. Available from: https://shippingpodcast.com/peter-hinchliffe-secretary-general-international-chamber-shipping-ics/ In this, the 50th episode of the Shipping Podcast, we meet Peter Hinchliffe, Secretary-General of the ICS. He is a former submarine mariner and joined the ICS 15 years ago and since 2010 he is the Secretary-General.

Panama Canal is redefining LNG shipping. By Hal Brown. Lloyd's List [Online]. 18 January 2017. Available from: https://www.lloydslist.com/ll/sector/tankers/article547479.ece The Panama Canal's impact on liquefied natural gas shipping is definitely being felt, with LNG transits from the US to Asia via the waterway rising to an average of 14 per month from five last July.


Commentary: Shippers can form alliances too. By Chris Dupin, Maritime and Intermodal Editor, American Shipper. American Shipper [Online]. 20 January 2017. Available from: http://www.americanshipper.com/main/news/275f15a2-182a-4320-b925-7c92c4abe7a6.aspx Now that the European Shippers’ Council (ESC) has rejoined the Global Shippers’ Forum, ESC Chairman Denis Choumert is hopeful the Asian Shippers’ Association and other Asian shipper groups will work with the forum to address concerns.


**EU politicians need to realise Greek shipping is a ‘European asset’.** By David Glass. *Seatrade Maritime News* [Online]. 25 January 2017. Available from: [http://www.seatrade-maritime.com/news/europe/eu-politicians-need-to-realise-greek-shipping-is-a-european-asset.html](http://www.seatrade-maritime.com/news/europe/eu-politicians-need-to-realise-greek-shipping-is-a-european-asset.html) European politicians and legislators both in the European Union and in Greece have to realise shipping is a pillar of the European economy and Greek shipping is a pillar of European shipping and is vital to the economic welfare of all of Europe.


Patience and perseverance - characteristics shipping needs in the year of the Rooster.
In Chinese astrology, the rooster is said to have many good characteristics such as being trustworthy, competitive, a wise decision-maker, conservative and patient.


'Huge threat to global shipping': BIMCO warns on growing protection. By Sam Chambers. Splash 24/7 [Online]. 30 January 2017. Available from: http://splash247.com/huge-threat-global-shipping-bimco-warns-growing-protectionism/ Global shipowning body BIMCO has issued a brace of reports in which it warns growing protectionist policies around the world pose a "huge threat" to world shipping, while boxship owners must not be tempted to bring their ships out of layup this year.


As 2020 Approaches, Malta Works to Dispel Notion It's A "Flag of Convenience". Ship & Bunker [Online]. 31 January 2017. Available from: http://shipandbunker.com/news/emea/801800-as-2020-approaches-malta-works-to-dispel-notion-its-a-flag-of-convenience As tighter environmental regulations for shipping come into force, including a 0.50 percent sulfur cap for bunkers in 2020, Transport Malta says it is working to eliminate perceptions that the Maltese registry is a "flag of convenience" through the implementation of local and International Maritime Organization (IMO)-backed legislation, local media reports.
RESEARCH

The 2010 Deepwater Horizon disaster introduced an unprecedented discharge of oil into the deep Gulf of Mexico.

Local-scale projections of coral reef futures and implications of the Paris Agreement. By R. van Hooidonk, J. Maynard et al. Scientific Reports. [Online]. (2016). Available from: http://dx.doi.org/10.1038/srep39666 Increasingly frequent severe coral bleaching is among the greatest threats to coral reefs posed by climate change.

Regional adaptation defines sensitivity to future ocean acidification. By P. Calosi, S. Melatunan et al. Nature Communications. [Online]. (2017). Available from: http://dx.doi.org/10.1038/ncomms13994 Physiological responses to temperature are known to be a major determinant of species distributions and can dictate the sensitivity of populations to global warming.

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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.