



NAVY LEAGUE OF AUSTRALIA  
WESTERN AUSTRALIA DIVISION

October 2018  
Volume 2, Issue 10

# DOWN THE VOICEPIPE

*do you here there!*



Congratulations HMAS Ballarat on returning from a successful Southern Ocean rescue mission



Subscriptions now due

## COMING UP

- Executive meeting Monday 01st. December 1700
- HMAS Perth (I) Memorial Foundation Meeting Saturday 06th. October 1100
- Federal AGM 26th.-27th October Canberra

## Divisional News

We welcome aboard five new members to the Western Australia Division

CMDR Bob Mummery OAM RAN RTD

Mr Terry Brown

CMDR Geoff Hurren ANC

CPO Greg Williams RAN

Mr Brody Newbery

HMAS PERTH (I) Memorial Facility

During the heavy rains recently endured storms part of the galley ceiling gave way and now that the insurers have assessed the damage work will take place to repair the ceiling .

The boat shed recently was damaged due to a defence contractor rubbish truck backing into the structure damaging the main supports. The boat shed was assessed by the defence contractor's insurer and new uprights and other damaged areas have now been repaired.

The two world war (1) naval field guns on loan to TS ANZAC will be relocated to the HMAS Perth (I) Memorial Facility to go on permanent display on the maindeck within the historical memorabilia display.

Negotiations are on going with Western Australia Maritime Museum to obtain on long term loan a twin 40/60 Bofors Mounting. EX HMAS Sydney (III)

TS Perth unit committee have carried out some electrical repairs and repaired the Port and Starboard light on the Memorabilia bulkhead and also installed new security and bulkhead lights to the seaward side of the building. The league is most grateful to the unit and committee.

The next major project is to repaint the maindeck to bring it back up to spec. Interested volunteers would be most welcome.

Now that the HMAS Perth (I) Memorial Foundation has been formed we are going through the process of having the foundation incorporated. Once this is completed we can then formally go to next stage in the process.





Australian Navy Cadets from TS ANZAC recently provided a guard of honour at the Opening of The Cruising Yacht Club Season in Rockingham.



HMAS Perth (III) fires her 5 inch gun, in company with warships USS Preble and HMNZS Te Kaha as they conduct an anti-aircraft firing serial against a towed target off the Northern Territory coast during Exercise Talisman Sabre 2015.

# Naval Today

## Australian frigate returns to port with rescued yachtsman



2018 Golden Globe Race competitor, Gregor McGuckin, is reunited with partner Barbara O'Kelly onboard HMAS Ballarat, at Fleet Base East, Western Australia. Photo: Royal Australian Navy

**Royal Australian Navy frigate HMAS Ballarat has returned to port with a rescued solo round-the-world yachtsman.**

Ballarat's MH-60R 'Romeo' Seahawk helicopter recovered Irish national, Gregor McGuckin, from a French scientific research station on Amsterdam Island after he was transported there by French fishing vessel Osiris.

The second sailor, Indian Navy Commander Abhilash Tomy, who suffered a back injury, is being picked up by Indian Navy frigate INS Satpura for return to India.

Chief of Navy, Vice Admiral Mike Noonan, RAN, praised the quick response of Ballarat's Ship's Company.

"With Ballarat about to deploy to the Middle East, the crew had been on their first day of pre-deployment leave," Vice Admiral Noonan said.

"As sailors, when called upon to assist someone in distress at sea, we never hesitate. We are very pleased that both yachtsmen are now safe."

McGuckin accepted Australia's offer to transfer him to Western Australia where he was met by family and friends who had flown at short notice to Perth.

The sailors were taking part in the Golden Globe solo round-the-world yacht race when they were de-masted by mountainous seas in the southern Indian Ocean, around 1,900 nautical miles south-west of Perth.

Ballarat's ship's company will now resume their pre-deployment leave to ensure all personnel are well rested prior to their Middle East Region deployment.

## Steel cut for first Offshore Patrol Vessel



Steel has been cut for the first Lürssen designed OPV to be built in Adelaide and Henderson (Source Lürssen)

03 October 2018

By: Stephen Kuper

Prime Minister Scott Morrison and Defence Minister Christopher Pyne have welcomed a major milestone for the first of Australia's 12 Offshore Patrol Vessels, with steel cut today at Civmec's facility in Western Australia.

Australian steel is being used for all 12 OPVs and after being prepared and processed in WA, it will be delivered to South Australia. Two ships are being built at Osborne in SA by ASC Shipbuilding before construction for the other 10 moves to Civmec in WA in 2020.

The first bolt has also been locked down on the steelwork at the country's largest ship assembly hall at Civmec's massive new \$85 million Henderson facility. The facility will also include a blast and paint workshop, undercover storage, offices and car-parks.

The facility project will create around 140 jobs and Civmec estimates it will provide positions for up to 1,000 West Australians, including 100 new apprentices and trainees, when it's up and running.

Minister Pyne said, "This is a major milestone in the Coalition government's national shipbuilding plan, which is delivering the capability our military needs, using Australian workers and Australian steel."

SEA 1180 Phase 1 OPVs will replace and improve upon the capability delivered by the 13 Armidale Class Patrol Boats by acquiring the 12 new vessels. The primary role of the OPV will be to undertake constabulary missions and the OPV will be the primary ADF asset for maritime patrol and response duties.

A competitive evaluation process (CEP) commenced in late 2015 and concluded with the signing of a contract with Lürssen Australia on 31 January 2018.

"The new OPVs will have significant improvements over the Armidale Class Patrol Boats, including in range and endurance, to allow the Navy to undertake more border patrols covering greater distances in more complex maritime environments," Minister Pyne explained.

ASC serves Australia's naval defence capabilities, with more than 2,500 employees across three facilities in SA and WA. ASC has evolved into Australia's largest specialised defence shipbuilding organisation, with naval design and engineering resources unparalleled within Australia's defence industry.

Lürssen is a global leader in designing and building ships of the highest quality for demanding customers all over the world. Lürssen beat out bids from Dutch company Damen, which was also partnered with ASC and Civmec, as well as German company Fassmer, which was in a joint venture with Austal for the SEA 1180 project.

Henderson-based Civmec is a multi-disciplinary heavy engineering constructor to the oil and gas, metals and minerals, infrastructure and defence sectors.

## Regional security in focus for Exercise Bersama Lima '18



The ADF will participate in Exercise Bersama Lima '18  
key enablers | 03 October 2018 | Stephen Kuper

A multinational response to a regional security threat is the focus of the latest military exercise to involve all three services of the Australian Defence Force.

This year, 750 ADF personnel will participate in Bersama Lima 18 conducted in Malaysia, Singapore and over the South China Sea from 2 to 19 October 2018. The exercise involves member nations of the Five Power Defence Arrangements (FPDA): Australia, Singapore, Malaysia, New Zealand and the UK.

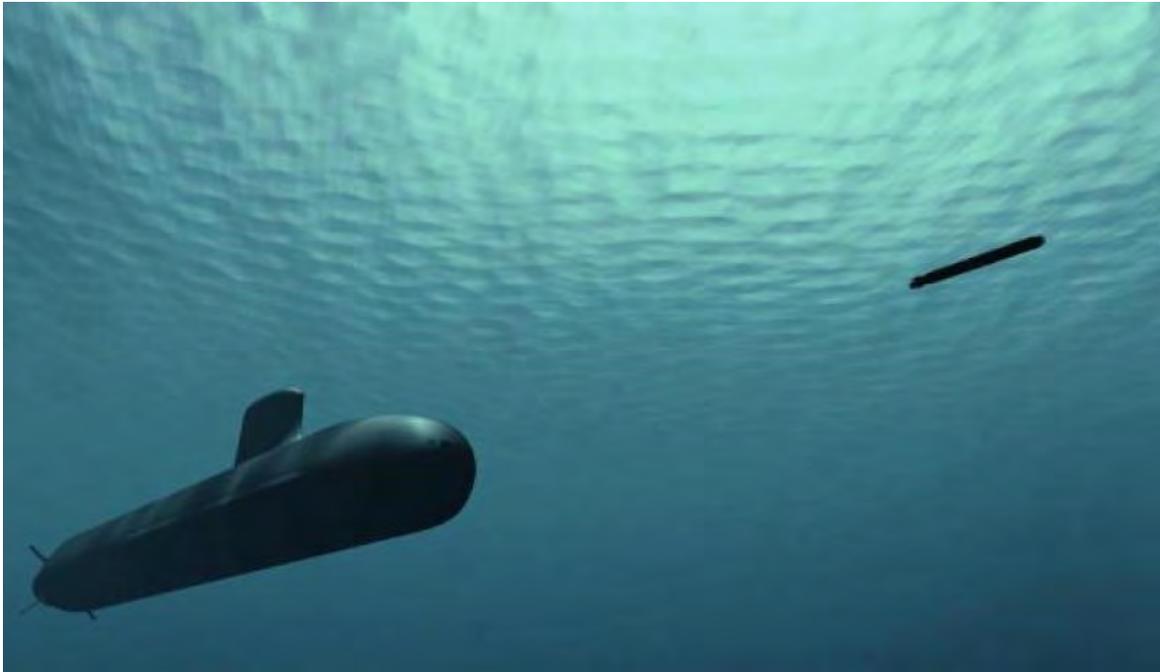
Chief of Joint Operations, Air Marshal Mel Hupfeld, said the FPDA was one of the ADF's most enduring regional relationships, and exercises such as Bersama Lima contributed directly to regional security and stability.

The ADF commitment to Bersama Lima is significant and includes nine Royal Australian Air Force Hornet fighters, a P-8 Maritime Patrol Aircraft, a KC-30 refuelling tanker, an E-7A Wedgetail and a B-350 Kingair aircraft, HMA Ships Stuart and Sirius, as well as a platoon of Australian Army soldiers from Rifle Company Butterworth.

Commander of the Australian Contingent, Group Captain Nicholas Pratt, said Bersama Lima would again prove invaluable in terms of building both interoperability with regional militaries and the realistic training scenarios involved.

"This exercise will include a field training element, live fire serials as well as a command post exercise that will test the operability of Australian maritime, land and air elements," GPCAPT Pratt said.

## Joint venture secures SEA 1000 supply chain



Maritime and Undersea Warfare | 02 October 2018 | Reporter

A joint venture signed between Australia-based HI Fraser Group and Naval Group supplier Issartel will secure the domestic supply chain to support the \$80 billion SEA 1000 Future Submarine program.

Managing director of HI Fraser Group Chris Williams was excited to announce the joint venture, officially signed at the recent Australia-France Defence Industry Symposium, saying, "This joint venture maximises Australian industry content (AIC), which is a key driving force behind the Naval Shipbuilding Plan. What we see is Issartel's expertise and understanding of Naval Group's exacting standards and HI Fraser's ability to manufacture locally, securing and de-risking the local supply chain."

HI Fraser and Issartel are leading the way for Australia-France defence industry collaboration with a view to supporting Australia's Future Submarine Program. The joint venture supports future jobs and will grow the skills intellectual property transfer to supporting our national shipbuilding endeavour.

"Issartel are a trusted and existing supplier in the Naval Group chain. HI Fraser currently provides components for the Collins Class submarines, this means that together we will bring proven quality and capability at a low risk for Naval Group's work on SEA 1000," Williams said.

Based in Australia, HI Fraser was founded on a fundamental passion for fixing both complex and simple gas and liquid problems, and has operated for over 60 years, with the current ownership beginning in 1989.

Created in 1961, ISSARTEL industry is specialised in the management of mechanical, hydraulic and pneumatic industrial business.

The Defence Secretary has revealed he is protecting HMS Bulwark and HMS Albion from the threat of being sold or scrapped.

Speaking at the Conservative Party Conference in Birmingham, Gavin Williamson put to bed any speculation about the future of amphibious assault ships being withdrawn from service early.

He said: "To deliver what seems impossible, the Royal Marines need to be able to bring the fight from the sea to the land.

"As such, I am happy to announce today that I am protecting their vital landing platforms HMS Albion and HMS Bulwark."

Throughout their time in service, the ships have conducted a range of vital missions including securing Iraqi oil platforms, tackling terror and piracy in the Horn of Africa, playing a key role in migrant search and rescue operations and evacuating British citizens from war zones in Libya and the Ivory Coast.

HMS Albion is currently supporting peace and security in the Asia-Pacific, promoting UK interests across the world as the nation's flagship.



Defence Secretary Gavin Williamson MP speaks to Forces News after the Conservative Party Conference.

Gavin Williamson also announced at the Conference that one of Britain's new cutting-edge Type 26 frigates will be called HMS Birmingham, becoming the fourth Royal Navy ship to bear that name. He said:

"Three of our nation's ships have proudly borne the name Birmingham. Those ships won five battle honours. Today, in honour of this great city, we will be naming one of our eight Type 26 global combat ships HMS Birmingham."

HMS Birmingham is the fourth of the UK's eventual eight Type 26 frigates to be named, with HMS Glasgow, HMS Belfast and HMS Cardiff the first three to be built.

All the ships are being constructed by BAE Systems on the Clyde in Scotland.

HMS Birmingham will be part of the second batch of ships to be ordered in the early 2020's, and the frigates will begin to enter service in the new decade.



F-35 Lightning jets land on HMS Queen Elizabeth for the first time



September 28, 2018 – Fast fighter jets are once again flying from a Royal Navy aircraft carrier as the first F-35s have landed on the flight deck of HMS Queen Elizabeth. Commander Nathan Gray RN and S/L Andy Edgell RAF were the first pilots to make history by landing their F-35 Lightning stealth jets on the flight deck of Britain's newest carrier. Shortly afterwards, Commander Gray became the first pilot to take off using the ship's ski ramp. The flying operations mark the start of more than 500 take-offs and landings set to take place from the warship over the next 11 weeks. Speaking shortly after the first landing on Tuesday 25 September 2018, Commander Gray said, "No words can explain how it felt to turn the corner at 500mph and see HMS Queen Elizabeth awaiting the arrival of her first F-35 jets. I feel incredibly privileged." For a naval aviator it is always a special moment when you spot the carrier in the distance, hidden within a grey expanse of ocean. HMS Queen Elizabeth is a floating city, home to hundreds of fellow sailors and Royal Marines, and it's been a particularly poignant day. "Able to embark up to 24 of the supersonic jets, HMS Queen Elizabeth provides the Royal Navy with a capability possessed by few others. Squadron Leader Edgell added: "It has taken an indescribable level of dogged determination and perseverance to achieve this incredible moment. We have written a little piece of history today, but look beyond this and are focusing now on what will be an extensive period of F-35 testing at sea." The jets will be put through their paces over the coming weeks in a range of sea and weather conditions. Having then completed the trials, which are taking place off the east coast of the United States, the giant aircraft carrier is expected to visit New York. The Commanding Officer of HMS Queen Elizabeth, Captain Jerry Kyd, said: "I am quite emotional to be here in HMS Queen Elizabeth seeing the return of fixed-wing aviation, having been the captain of the aircraft carrier which launched the last Harrier at sea nearly eight years ago. "The regeneration of big deck carriers able to operate globally, as we are proving here on this deployment, is a major step forward for the United Kingdom's defence and our ability to match the increasing pace of our adversaries. The first touch-downs of these impressive stealth jets shows how the United Kingdom will continue to be world leaders at sea for generations to come." HMS Queen Elizabeth left her home port of Portsmouth in August, crossing the Atlantic to conduct the flying trials as well as training with the US Navy. The deployment has also provided an opportunity for the UK's Carrier Strike Group headquarters team to sharpen their skills in a task group, having been joined on the deployment by Type 23 frigate HMS Monmouth, and a US Arleigh Burke-class destroyer the USS Lassen. More than 1,400 sailors, flight crew and Royal Marines have been working on board the carrier during her deployment. Commodore Andrew Betton, the commander of the UK's Carrier Strike Group, said: "The Queen Elizabeth-class carriers have been specifically designed and built to operate the F-35, offering an immensely flexible and potent combination to deliver military effect around the world." "Conducting these trials is a critical and exciting step on this journey and I applaud the many thousands of civilian and military personnel who have played a part in bringing the strategic ambition to reality." The Royal Navy's two new aircraft carriers, HMS Queen Elizabeth and HMS Prince of Wales, will project British military power across the globe for the next half a century. Construction work continues at a pace on board HMS Prince of Wales, the second aircraft carrier in the class, which nears completion at the Rosyth shipbuilding yard. They will be used to provide humanitarian assistance and disaster relief, strengthen defense relationships with our nation's allies, and support British armed forces deployed around the world. In recent operations, US aircraft carriers including the USS George HW Bush and USS Harry S Truman have played a central role in the Gulf and Mediterranean, conducting strikes against Daesh in Iraq and Syria. HMS Queen Elizabeth is on track to deploy on global operations from 2021. Meanwhile, the UK has now taken delivery of 16 out of a planned 138 F-35 jets as part of its world-leading fleet of military aircraft for use by the Royal Navy and Royal Air Force.

## ASW appointment strengthens links between Australia and Canada



BAE Systems Australia's Nigel Stewart (centre), meeting with Bernard Mills and Scott Peak from Ultra Electronics prior to a recent Australian Naval Institute event at ADFA (Source supplied)

As the Canadian Surface Combatant competition heats up between designs from BAE Systems, Damen Group and Navantia, key personnel from the successful BAE bid for Australia's \$35 billion SEA 5000 project are bringing experience and capability knowledge to Canada and supporting strong links between the two nations.

In the case of Ultra Electronics, an appointment from their Australian operations to lead their Maritime Systems business unit in Canada further links the paths being pursued by both nations in anti-submarine warfare (ASW). Bernard Mills, currently regional director Australia and New Zealand, has been appointed president of Ultra Electronics' Halifax-based Maritime Systems business. Aside from being a primary provider of ASW capability to the Royal Canadian Navy, Ultra Electronics Maritime Systems also provides ASW capabilities to numerous NATO and other allied nations, including elements of Ultra's Integrated Sonar System on Australia's Hobart class DDGs as well as the torpedo defence arrays that will be delivered on the Hunter Class frigates and to the Royal New Zealand Navy.

"It's very humbling to be appointed to lead a business with over 70 years of history, which is not only a jewel in Ultra's portfolio but indeed one of the leading centres of ASW capability in the world," Mills said.

Focusing on Australian implications, he added, "Ultra is dedicated to delivering our systems in a way in which creates enduring sovereign capability and a skilled in-country workforce. Our Australian business is in a major growth phase and, as programs evolve and systems come into service, I will continue to support my colleagues, and our partners and suppliers across Australian industry, by ensuring that the necessary level of skills transfer is provided."

Notably, Ultra's approach both in Australia and Canada has been to strongly support shipbuilder and combat system partners in major campaigns, focusing on collaboration as well as capability delivery.

Ultra provides the hull mounted sonar and torpedo defence system on Australia's recently-selected Hunter Class frigate. Nigel Stewart, BAE Systems Australia's Hunter Class managing director, reflected on the relationship.

"Defence is a truly global business and it is key that companies like Ultra ensure learning can be leveraged across markets. Ultra are a partner with BAE Systems and Lockheed Martin (Canada's Combat Ship Team) for the CSC procurement. Bernard led the Ultra team supporting us in winning the Hunter Class program in Australia, so I'm confident that this will be a great move for him, Ultra and the broader Type 26 bid into Canada," he said.

The Canadian Surface Combatant, formerly the Single Class Surface Combatant Project will replace the Iroquois and Halifax Class warships with up to 15 new ships beginning in the early 2020s as part of the National Shipbuilding Procurement Strategy.

# NAVY DAILY

Published on 01 October 2018 SBLT Max Logan (author), LEUT ANC Jane Reptik (photographer)

Location(s): HMAS Coonawarra

Topic(s): Australian Navy Cadets, HMAS Coonawarra, HMAS Ararat (P89)



Cadets from TS Darwin with Commanding Officer HMAS Ararat, Lieutenant Commander Khan Beaumont and Commanding Officer TS Darwin, Lieutenant ANC Jane Reptik during a ship tour of HMAS Ararat.

A group of Australian Navy Cadets has enjoyed a surprise tour of a working patrol boat during a visit to Top End naval establishment HMAS Coonawarra.

The 18 cadets from Training Ship (TS) Darwin attended Coonawarra to conduct their annual swim test when their Commanding Officer, Lieutenant Jane Reptik announced that they had been invited to tour HMAS Ararat. HMAS Ararat is a RAN Armidale Class patrol boat designed for an array of functions patrolling Australia's maritime zones including fisheries protection, illegal immigration prevention, customs and drug law enforcement. Commanding Officer HMAS Ararat, Lieutenant Commander Khan Beaumont and Sea Training Group Operations Officer, Lieutenant Julia Griffin conducted a tour of the boat and briefed the cadets on the role of the Australian Patrol Boat Group.

Commander Beaumont said it was a valuable opportunity.

"The cadets were given a tour of the accommodation spaces, recreation spaces, bridge and upper decks of HMAS Ararat.

"In addition to the tour they briefly got to speak and interact with the duty watch, gain an insight into some of the jobs onboard and learn what life at sea is like on a patrol boat.

"I think the kids were overawed by the visit," Commander Beaumont said.

On completion, the cadets and their families attended Coonawarra's Arrow Club for a BBQ lunch and patrol boat capability brief by patrol boat class Lifecycle Engineering Officer, Commander Mark Fullick.

The cadets are looking forward to further Navy interactions during a planned sea ride onboard an RAN vessel later in the year.



# NAVY DAILY

HMAS Hobart celebrates first birthday

Published on 03 October 2018 CMDR Anthony Miskelly (author), Department of Defence (author)

Topic(s): HMAS Hobart (D39)



Commanding Officer, Captain

John Stavridis (centre) along with the crew's youngest member, Seaman Thomas Norris-Elliott (left) and the crew's most experienced member, Chief Petty Officer Ric Macchetta, cut the cake.

The ship's company of the Royal Australian Navy's first Aegis Guided Missile Destroyer, HMAS Hobart, have celebrated their first birthday while enroute to the west coast of the USA.

Commanding Officer, Captain John Stavridis, along with the crew's youngest member, Seaman Thomas Norris-Elliott and the crew's most experienced member, Chief Petty Officer Ric Macchetta, cut the cake during a morning muster to mark this special occasion. The Ghost Riders took a moment to enjoy the scenery and a piece of cake on the flight deck.



HMAS Hobart's birthday cake.

Built in Osborne, South Australia, HMAS Hobart was commissioned into service on 23 September 2017 and continues a proud and distinguished history of the Hobart name in the Royal Australian Navy. Affectionately known as the Green Ghost, Hobart has been busy since commissioning with Category 5 weapons firings, first of class trials (including flight trials with the MH60R helicopter), Co-operative Engagement Capability testing with NUSHIP Brisbane, deployment readiness workup and a visit to her namesake city as flagship for the Royal Hobart Regatta.

Hobart is currently deployed to the west coast of the USA where her combat and missile systems will undergo rigorous testing and evaluation prior to returning to home port prior to Christmas.

## Naval Today Indonesian Navy fast missile boat sinks off Sorong



Indonesian Navy file photo

**Indonesian Navy's fast missile boat KRI Rencong (622) sank on Tuesday after catching fire off Sorong, West Papua.**

The incident occurred while the vessel was patrolling in the waters some 20 miles from the Naval Command III in Sorong, The Jakarta Post reported. KRI Rencong was completely engulfed in flames. As the vessel could not have been saved, all 37 crew members were evacuated and brought to the naval base. An investigation into the causes of the fire has been launched. KRI Rencong belonged to the navy's Mandau-class of small military ships. Built in South Korea in 1979, the ship was named after the country's traditional weapon.

## Naval Today Grounded Philippine Navy frigate refloated in South China Sea



Photo taken by PAF Nomad C-87 on August 30, 2018.

**The Philippine Navy's (PN) frigate, which ran aground last week in the South China Sea, has been successfully refloated.**

BRP Gregorio Del Pilar (FF-15) was towed from Half Moon Shoal in the evening hours of September 3, an official of the Armed Forces of the Philippines was cited by the Philippine News Agency as saying.

An assessment carried out by the country's coast guard and navy showed that there were no hull punctures but the starboard propeller was detached from the shaft.

As informed, the ship will now undergo inspection before heading to Subic for repairs.

The 3,250-ton frigate grounded some 65 nautical miles off Balabac, Palawan, on August 29. No injuries to the ship's crew were reported.

BRP Gregorio del Pilar is one of the former US Coast Guard Hamilton-class cutters which had been transferred to the Philippines in 2011.

## Future Frigate contract announced



Maritime and Undersea Warfare | 04 October 2018 | Stephen Kuper

In a major development for Australia's \$35 billion Hunter Class frigate program, an interim contract has been struck between the Commonwealth and BAE Systems Australia.

Minister for Defence Christopher Pyne today announced Defence and BAE Systems Australia have entered into an Advanced Work Arrangement (AWA).

The AWA will cover ongoing work on the \$35 billion program, ahead of agreeing the head contract.

Minister Pyne said the AWA is an important first step in the process of transitioning ASC Shipbuilding into BAE Systems in preparation for the nation's biggest shipbuilding program.

"The AWA is an interim contract which enables BAE Systems to continue to mobilise its workforce and progress the critical work required to ensure the project remains on track to start production in 2020," he said.

Work continues on negotiating the head contract for the program, with signature expected later in the year after the ASC Shipbuilding transition is completed.

Defence will execute the head contract with ASC Shipbuilding – as a wholly owned subsidiary of BAE Systems – for the delivery of the Navy's nine Hunter Class frigates and associated support system components.

"The process of transitioning ASC Shipbuilding into BAE Systems is well underway, and ASC Shipbuilding, BAE Systems and the Department of Finance are making good progress in negotiations," Minister Pyne said.

The AWA signed will allow BAE Systems to continue to mobilise the program, including maturing design and engineering plans, establishing a skilled workforce and setting up the required infrastructure necessary to commence prototyping in 2020.

BAE Systems' Managing Director for the Hunter Class Frigate Program, Nigel Stewart said, "This is a very important and early milestone in the development of an enduring world-class naval shipbuilding industry in Australia. The AWA demonstrates a commitment by both BAE Systems and the Australian government to ensure timely progress on this critical defence program."

BAE Systems continues to progress negotiations with the Australian government for the head contract for the Hunter Class Frigate Program and the acquisition of ASC Shipbuilding.

This announcement comes following the selection of [BAE Systems and the Type 26 Global Combat Ship](#) earlier in the year, at which time then prime minister Malcolm Turnbull said the vessels would deliver, "the highest levels of lethality and deterrence our major surface combatants need in periods of global uncertainty".

The Hunter Class would have the capability to conduct a variety of missions independently, or as part of a task group, with sufficient range and endurance to operate effectively throughout the region, according to Turnbull.

The ships will include the incorporation of the leading-edge Australian-developed CEA phased array radar and the US Navy's powerful Aegis combat management system. With an Australian interface developed by Saab Australia, the Hunter Class will be one of the most capable multi-role warships in the world.

As a responsible regional actor, Australia's future frigates will also have the flexibility to support non-warfare roles such as humanitarian assistance and disaster relief.

Bringing the ships together will be the joint BAE/ASC workforce at the Adelaide-based shipyards responsible for delivering the Hobart Class Air Warfare Destroyers and the Collins Class submarines. In order to maximise the efficacy of the workforce and to ensure that the key defence project is delivered on time and on budget, BAE will be bringing the concept of a '[digital shipyard](#)' to Australia for the first time.

The 'digital shipyard' concept will see BAE facilitate the transfer of intellectual property and technical data, including the digital ship design that has been optimised for the production of the new Hunter Class, combined with all the naval shipbuilding processes tailored to the specific requirements of the ASC shipyard in South Australia.

This [\\$35 billion program will create 4,000 jobs](#) throughout Australia and deliver unprecedented local and global opportunities for businesses large and small and is a key part of enhancing the government's [\\$89 billion sovereign shipbuilding capability](#). The first Australian vessel will now be the fourth of class. The first ship for the Royal Navy cut steel last year in Glasgow and is due to hit the water in 2020. The nine Hunter Class frigates will begin entering service in the late 2020s, replacing the eight Anzac Class frigates, which have been in service since 1996. BAE Systems Australia employs 3,500 people across the country, including around 1,000 in South Australia. The company has been supporting the men and women of the Australian Defence Force for 65 years. BAE Systems Australia delivers engineering, program management and sustainment solutions to ensure that defence and security customers have the capabilities they need.

## END OF AN ERA



## AUSTRALIAN NAVY CADETS TS PERTH



CDTAB Matt Brunet De Rochebrone handing over a cheque for \$1500 to Cathy Parker Co-ordinator of the Royal Flying Doctor Western Operations Base Kalgoorlie



TS PERTH conduct an annual charity bike ride to Kalgoorlie each year to raise funds and awareness of the Royal Flying Doctor Service. The bike ride is organised by LEUT Brad Barrett ANC Commanding Officer of TS Perth and his staff and support crew along the way.

October 4 2018 - 9:30AM

## Naval Cadets TS Perth call into the Northam RSL

Danna and Mick Prytulak handing over cheques to Naval Cadets TS Perth. Photo supplied.



Naval Cadets TS Perth called into the Northam RSL Sub Branch last Saturday to grab a bite to eat, have a look around then head off to Kalgoorlie on their annual bike ride to raise money for the Royal Flying Doctor Service.

The trip is also a team building exercise for the new Cadets which all involved enjoy.

For the past five years this group of young people that parade in East Fremantle once a week take to task to ride from Northam to Kalgoorlie.

Their first stop is Merredin RSL and then it's off to Kalgoorlie to do some site seeing.

Each year brings new faces and it gives the Northam RSL a chance to give the cadets an insight to the Sub Branch's history.

The Sub Branch Auxiliary provides the cadets with lunch and a few goodies to have over the week.

It is also a chance for the Northam Branch to hand over cheques for the Royal Flying Doctor Service as well as TS Perth.

The Northam RSL has welcomed the group over the years since they first attended a Remembrance Day Service and has continued to support the Sub Branch.

The group is looking forward to attending this year Remembrance Day Service and family fun day which will be held at Bernard Park.

***Donna Prytulak is the RSLWA State Vice President.***



Australian Navy Cadets from around Australia took part in a one week national training camp at Royal Australian Navy establishment, HMAS Cerberus, in Victoria, from 1-5 October 2018.

Activities included adventure training, survival at sea, small boats familiarisation and living alongside Royal Australian Navy recruits.

The Australian Navy Cadets is a leading provider of youth development experiences, sponsored by the Royal Australian Navy and aims to build teamwork and leadership skills in young people through exciting and rewarding adventure and maritime activities and quality learning opportunities.



# 3-IN-1 CAPABILITY WITH NEW HYDROGRAPHIC DIVE SHIP

By Andrew Bonallack

The big-hearted name of MANAWANUI will feature again across New Zealand and the Pacific on the Navy's newly-purchased Dive and Hydrographic vessel.

**O**n 22 August the Minister of Defence announced the purchase of the 85-metre EDDA FONN, a 15-year-old survey and light construction vessel from Norwegian firm Østensjø Rederi AS, as the replacement for decommissioned vessels HMNZS MANAWANUI and HMNZS RESOLUTION.

EDDA FONN is currently in Norway but will be delivered to New Zealand by her former owners in March and renamed as MANAWANUI. She will be the fourth ship to bear the name.

Defence Minister Ron Mark described the vessel as a great addition to the Navy, filling capability gaps in diving and hydrography. "It will be in service three years earlier than a newly-built ship would have been."

The scale of the vessel is a considerable contrast to her predecessors. The EDDA FONN is as long as Offshore Patrol Vessels OTAGO and WELLINGTON, but four metres wider in beam. Her expected full displacement, at over 5000 tonnes, is two-and-a-half times that of an OPV. The bridge deck is nearly 16 metres above the waterline and there are seven decks in all, not counting the weather deck. The helicopter deck, at the bow, is capable of landing a Super Puma helicopter weighing over nine tonnes.

A useful feature is a 7.2m by 7.2m enclosed moon pool, an opening in the ship's hull up to waterline level, allowing diving and use of remote underwater vehicles from inside the ship.



Defence Minister Ron Mark greets HMNZS MANAWANUI's Commanding Officer designate, LTCDR Andy Mahoney.

Her first Commanding Officer will be Lieutenant Commander Andy Mahoney and her home port will be Gisborne, a nod to RESOLUTION's home port before she was decommissioned in 2012.

LTCDR Mahoney said it was "an honour and privilege" to be appointed as Commanding Officer. "Although we don't take delivery of MANAWANUI until next year, the hard work has already started in raising and training the crew who will post to the ship. It's an exciting time for us all."

He said the new ship would have a 3 in 1 capability, something the Navy has not had before. "We'll have a platform for our hydrographic specialists to embark and conduct coastline, lake and harbour surveying. It's a tailor-made ship for our divers to conduct underwater explosive disposal and it will have salvage capability. It will offer plenty to our Navy and government support agencies."

EDDA FONN was chosen as the most suitable option from a list of 150 vessels reviewed. MANAWANUI will undertake final modifications in New Zealand and is expected to be in service by November 2019. The budget for the project is \$103 million. ■



## SPECIFICATIONS:

<b>Purpose</b> Dive and Hydrographic Vessel	<b>Purchased from</b> Østensjø Rederi, AS, Norway	<b>Builder</b> Myklebust Verft AS	<b>Commercial Class</b> Remotely Operated Vehicle (ROV) and survey vessel	<b>Year Built</b> 2003	<b>Propulsion System</b> 4 x diesel electric generators powering 2 x azimuth propulsion systems & 3 x bow thrusters
<b>Positioning System</b> Kongsberg K-POS Dynamic Positioning 2 (DP2) System	<b>Dive Systems</b> IHC Hytech 3 person wet bell and Surface Supply Breathing Apparatus through an enclosed moon pool. Recompression chamber	<b>Hydrographic Systems</b> Kongsberg EM712 Multi Beam Echo Sounder and EA 440 Single Beam Echo Sounder	<b>Remotely Operated Vehicle</b> SAAB Seaeye Cougar Remotely Operated Vehicle	<b>Length</b> 84.7 metres	<b>Beam</b> 18.0 metres
<b>Draught</b> 6.8 metres	<b>Displacement (Full)</b> 5,741 tonnes	<b>Range</b> 7,000 nautical miles	<b>Speed</b> 13 knots	<b>Core Crew</b> 39	<b>Bunks</b> 66

## NEW UNIT BADGE

The Chief of Navy visited Christchurch's Navy Cadet unit TS GODLEY for a triple celebration at its parade night on 7 August.

**R**ear Admiral John Martin presented the unit with the Navy Cadets' national Efficiency Trophy, and also bestowed upon it the new unit badge, recently approved by the RNZN Ships Names and Badges Committee and the Herald of Arms Extraordinary.

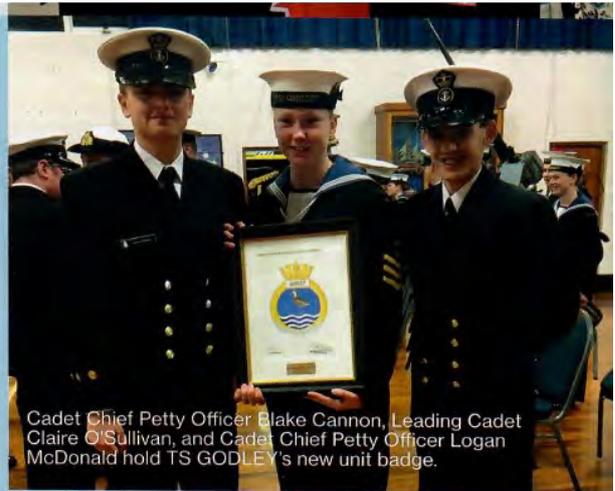
He also took the opportunity to award Petty Officer Chef Amanda Growcott, an advisor at New Zealand Cadet Forces' Burnham-based Southern Area Support Unit, with her Long Service and Good Conduct Medal.

"We're extremely grateful that the Chief of Navy took the time out to come to Christchurch and present both the award and our new unit insignia," said GODLEY's unit commander, Lieutenant Commander Peter Marshall NZCF.

"The Cadets have worked extremely hard for their recognition as the most efficient unit in New Zealand, and having the new unit badge awarded at the same time was a wonderful bonus."

The parade, also attended by NZCF Commandant Lieutenant Colonel Grant Morris, HMNZS PEGASUS Commanding Officer Lieutenant Commander Zoe Brangwin and other senior officers, coincided with a Cadet Forces rebranding under which the Sea Cadets have become the Navy Cadets.

TS GODLEY's new insignia depicts the bar-tailed godwit, which flies 12,000km non-stop from Alaska to Christchurch each year to spend the southern hemisphere



Cadet Chief Petty Officer Blake Cannon, Leading Cadet Claire O'Sullivan, and Cadet Chief Petty Officer Logan McDonald hold TS GODLEY's new unit badge.

summer on Christchurch's estuary. As the estuary is one of the historic Sea Cadet training areas in Christchurch, the godwit has been familiar to generations of cadets.

The godwit was chosen for the unit crest because it represents courage, perseverance, resilience, and endurance – qualities which the unit officers wanted to use to inspire the young people under their command.

TS GODLEY parades weekly at HMNZS PEGASUS and also has a training area and use of the RNZNVR boat shed at Cass Bay on Banks Peninsula. It has a fleet of Crown and Feva yachts and three Wavebreak RHIBs for its on-water activities.

It was formed by the merger of two former Christchurch cadet units, TS CORNWELL and TS STEADFAST, after TS CORNWELL's Monks Bay headquarters was wrecked by the Christchurch earthquakes.

Named after John Robert Godley, one of the founding fathers of the 19th century's Canterbury Settlement, TS GODLEY is therefore the inheritor of an unbroken Sea Cadet tradition in Christchurch which stretches back to 1929. ■

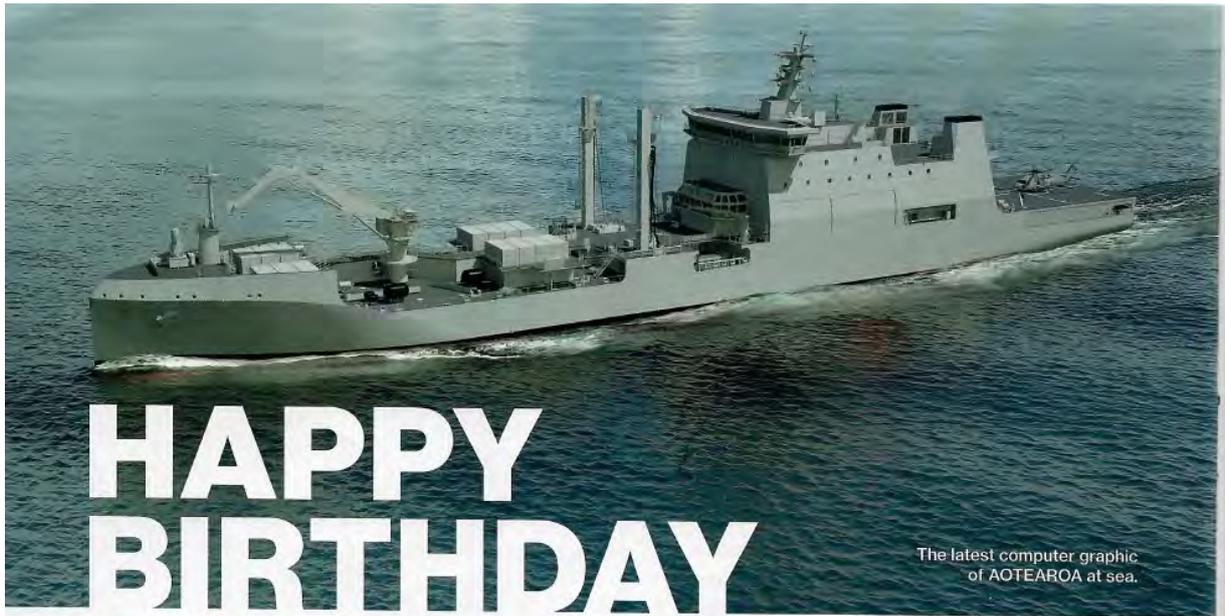


## CURIOUS OBJECT

### LIGHTER WITH A DIFFERENCE

**T**his silver table lighter c1913 inscribed HMS NEW ZEALAND, can be found in the Boyle Room at the Navy Museum. Over a hundred years ago it would have graced the wardroom in HMS NEW ZEALAND, an Indefatigable-class battlecruiser. She saw active service at the three major naval battles of World War One: Heligoland Bight, Dogger Bank and Jutland. Made out of silver, it's in the form of a 19th century grenade. Also known as a cigar lighter, it is weighted, has a removable lid with a hole where a wick would have been threaded. It would have also been filled with some form of accelerant. At a time when smoking was very popular, it is likely the lighter saw heavy use, particularly after a battle! The lighter is one of a number of interesting artefacts related to HMS NEW ZEALAND on display in the museum. ■

Image: National Museum of the Royal New Zealand Navy.



The latest computer graphic of AOTEAROA at sea.

# HAPPY BIRTHDAY AOTEAROA

The official “birthday” of AOTEAROA was celebrated with its formal keel laying ceremony at Hyundai Heavy Industries shipyard on 13 August in Ulsan, Korea.

The keel laying, marking the official “birth day” of the ship, is an important ceremonial occasion, which has traditionally represented the laying of the initial piece of timber that would make up the ship’s backbone.

AOTEAROA’s keel laying consisted of more than 500 tonnes of carefully constructed keel blocks being positioned together in the dry dock, where she will continue to expand upwards and outwards until her launch date early next year.

This is a significant day for the Royal New Zealand Navy, because it represents a tangible milestone in the journey to having a multi-purpose vessel that provides refuelling services, freshwater generation, significant cargo-carrying capability and the ability to conduct air patrols.

While she is constructed over the next 12 months, her Ship’s Company will also be assembled, trained and prepared to operate the largest vessel the RNZN has ever had – more than three times bigger than ENDEAVOUR, the vessel she replaces.

AOTEAROA’s primary purpose is to conduct fuel resupply but she will also be capable of supplying dry goods, water, spare parts or ammunition. Her missions will include humanitarian and disaster relief, support to United Nations security operations, support to a coalition naval task group and Antarctic resupply.

**“This is an exciting time for our Navy.”**

– Chief of Navy Rear Admiral John Martin

She will have an ice-strengthened hull, the ability to carry 12x 20-foot shipping containers, high-capacity freshwater generation plants, self-defence systems, aviation and marine fuel cargo tanks, dual all-electric replenishment-at-sea rigs and will be able to carry a Seasprite or NH90 helicopter. Her Polar Class 6 rating means she will be able to deliver fuel and other goods to support Scott Base and McMurdo Station, during summer months once an icebreaker has cleared a path. ■



The pieces come together for the keel laying ceremony.