



NAVIGATION

Newsletter of the Australian Institute of Navigation Inc
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A Merry Xmas and a happy New Year to you all from the AIN Council!

There was a bit of a hiatus in the Australian Institute of Navigation over the mid-2014 period, but the AIN under the new Council is steadily moving ahead again – perhaps at full military power rather than full afterburner – but still good progress! Of note, the Council is planning (and significantly funding!!) activities for 2015 that will demonstrate that the AIN has much to offer as a professional institute. We do need to work hard to maintain our credentials as a long-established professional organisation.

Also, much effort has gone into re-establishing contacts with the military and civilian schools that are training the next generation of navigators. We hope to leverage this connection to gain increased membership in coming years. The Council expects that a representative of AIN will attend every Intermediate and Long Navigation Course graduation at HMAS Watson, and every ACO Course graduation at East Sale. Additionally, we hope to have an AIN representative present awards and ‘mentor’ the relevant course members at the Australian Maritime College in Launceston.

All in all, 2015 is shaping up to be a promising year for the AIN (our 66th)...but we do need the support of members to make this transition work for the AIN. So note the events for 2015, and do your best to participate in one or more of them!

AIN Council, December 2014

Notice of Technical/General

Meeting Number 591 –

Wednesday, 11 February 2015

– 6PM for 6:30PM

First meeting for the year! It will be a combined lecture event with the members of the Company of Master Mariners and the Nautical Institute.

The guest speaker is planned to be CAPT Will Martin, RAN - Officer Commanding HMAS Watson, who will speak on his responsibilities as Training Authority Maritime Warfare, and specifically RAN Navigation warfare training, now and into the future. At the request of the Master Mariners and the Nautical Institute, the location for the lecture will be at the Occidental Hotel, 43 York Lane, Sydney NSW 2000 commencing at 6PM for 6:30PM on 11 February 2015 (close to but not-repete not at Barrack Street!). The Occidental is less than a block from the Barrack Street Services Club

Please let the Secretary know if you can attend (Secretary-Kym Osley-contactable at kym.osley1@gmail.com, or leave a message at 02 6288 0346).

Dinner will be available for those who desire it at the Occidental. The AIN Council will plan to briefly meet after the lecture/dinner is over to check on progress of actions from the last meeting.

New AIN Council Members and Contacts

The new AIN Council was elected in August 2014, and first met in September. The office holders are:

- President – Professor Chris Rizos
- Vice-President – Mr Bob Hall
- Secretary – AVM (retd) Kym Osley
- Treasurer – CAPT Dave Pyett
- Councillors –
 - CAPT Peter Martin
 - Mr Bernie Larkin
 - Mr Tom Davidson
 - CAPT Peter Sturt
 - CAPT Martin Silk
 - CAPT Daryl Smith

The best point of contact for the AIN is via the Secretary, Kym Osley; 2 Niblo Place, Chapman, ACT, 2611. Phone: 02 62880346; Mobile: 0466 253 100; Email: kym.osley1@gmail.com

Recent AIN Events

AIN Dinner Lecture – 27 October 14

Qantas A380 Captain Fred Haes gave a great presentation on operating the A380. He provided an interesting insight into operating the most modern airliner in the world. As one would expect, the navigation and communication systems are leading-edge...and can be interfaced with by the pilot via a lap-top that plugs in at the flight deck. Most communications are via data rather than voice to minimise errors, and the aircraft is in almost constant contact with its home base – to monitor the maintenance health and performance of the aircraft. Of particular interest was Fred's description of the anti-hijacking systems in the aircraft (eg coded doors, etc), given the recent loss of the Malaysian Airlines aircraft off Australia in the Indian Ocean. Whilst engaging with

AIN members, Fred spoke of time in the RAAF as a Mirage and F-18 fighter pilot, and his keen interest in sailing. Prof Chris Rizos warmly thanked Fred on behalf of the members for his great lecture. There were 36 attendees at this dinner/lecture at Barrack Street.

RAN Surface Combatant (Long) Navigation Course Graduation – 20 November 2014

AVM (Retd) Kym Osley, Secretary AIN, represented the AIN at the graduation of the Surface Combatant Navigation Course at HMAS Watson.



The AIN Secretary and Graduates of the RAN Long Navigation Course-Nov 2014

This Course prepares selected officers to become navigators on ANZAC or ADELAIDE Class frigates. Five officers graduated to take their place as navigators in the RAN. The ceremony for the graduates was held at the Watson Wardroom, and was attended by CAPT Will Martin, RAN, Officer Commanding HMAS Watson and CAPT Guy Holthouse, RAN, representing the Fleet Commander.

AVM Osley presented the Dux Award to LEUT Mike Gordon, RAN...who scooped the pool of prizes on the course. Well done Mike! LEUT Gordon has also submitted his application for membership,

and so hopefully we will see him at a future meeting or event.



AVM (retd) Osley presents the Dux Award to LEUT Mike Gordon, RAN

The AIN extends congratulations to all the graduates of the RAN Long Navigation Course, and welcomes them to the 'professional Navigation community'.

The Secretary represented AIN at this graduation and others at Watson/East Sale as the President was absent in Europe attending two navigation-related Conferences – the Ninth Meeting of the International Committee on Global Navigation Satellite Systems (ICG), held in Prague, 10 - 14 November 2014 and the 11th International Symposium on Location-based services held in Vienna 26-28 November 2014.

RAN Intermediate Navigation Course Graduation – 28 November 2014

Vice President AIN, Mr Bob Hall, as well as AVM (retd) Kym Osley, CMDR Peter Martin, and CAPT Peter Sturt were present for the graduation of the Intermediate Navigation Course at HMAS Watson on 28 November. The Intermediate Course is of 9 weeks duration and aims to prepare students for visual harbour and river pilotage in company with a group of dissimilar ships. The officers who graduated will become

the navigating officers of patrol boats, hydrographic ships, mine hunters, tall ships and submarines.



The Secretary AIN, AVM (retd) Kym Osley, presents LCDR Nick Townley with his AIN Dux Award at HMAS Watson

The AIN Award for Dux of the Course went to LCDR Nick Townley, who will be both the Captain and the navigator on a RAN hydrographic ship. Nick has indicated in an email he sent to the AIN Secretary that he is looking forward to taking up membership of the AIN.



LCDR Iain McCall, OIC School of Navigation Warfare (2nd from right) showing AIN Vice-President, Mr Bob Hall, and AVM (retd) Kym Osley over the Bridge simulators at the School on 28 November.

25th Air Combat Officer Graduation – 11 December 2014

The AIN Secretary, AVM (retd) Kym Osley and his wife Debbie travelled to East Sale

on 11 December for the 25 Air Combat Officer graduation ceremony. No 32 Squadron kindly provided an aircraft to transport down the Chief of Navy as the Reviewing Officer for the parade, and Kym and Debbie were able to 'jump a ride' – a nice quick way to travel!



Secretary AIN, AVM (ret'd) Kym Osley and the winner of the AIN ACO Navigation Excellence Award, PLTOFF James Rae

The Chief of Navy, VADM Tim Barrett, himself a Naval Helicopter Observer by trade, presented all the awards on the day, including the AIN award for 'navigational excellence' which is awarded to the student who displays the best achievements during the early flying phase of the Course where navigation skills are predominantly taught. The 25 ACO Course winner was PLTOFF James Rae, who is posted to Williamstown to fly on Wedgetail AEW aircraft. AVM Osley took the opportunity to tour through the School of Air Warfare facility with the Commanding Officer, Wing Commander Craig Stallard and Chief of Navy, and see the latest simulators being used to train Air Combat Officers.

AIN Council Meeting and Christmas Function – 12 December 2014

The final Council meeting for the year was well attended, with apologies from CAPT

Pyett and CAPT Daryl Smith. It was great to see CMDR Peter Martin attend from Hobart. The proposed key AIN events for 2015 were discussed....most notably the IGNS 2015 Conference (July) and the joint Defence-AIN Seminar (May). Good progress has been made on many fronts to reengage with navigation training organisations and to re-establish the credentials of the AIN as a professional organisation. However, the Council is aware that there is still much to do, and has a plan for tackling that in 2015.

The AIN Xmas function at the 'Barrack on Barrack' restaurant was well attended, and enjoyed by all. It was good to catch up with some members who normally are unable to attend the regular meetings and events. A toast was made to the President and the AIN.



The AIN Xmas Lunch at Barrack Street – raising a glass to the AIN!

Other Upcoming Key AIN Events in 2015

'Navigators' RAN/AIN Reception at HMAS Watson-Sydney

Up until a few years ago, HMAS Watson hosted an annual reception for 'navigators and Master Mariners'. The Officer in Charge of the School of Navigation Warfare at HMAS Watson, LCDR Iain

McCall has kindly agreed to arrange for a 'Navigators Reception' to be held at the School in the first half of 2015 (looking at around April 2015 at this time). It would be a great opportunity for AIN and other invited guests to interact with the current RAN navigation professionals at the School in a social setting; and also give visitors the chance to see the simulators and instructional spaces at first hand.

22 May 2015 – AIN and Defence Co-Hosted Seminar on 'Military/Civil Operations in a Space-denied Environment'-Canberra

Mark your diaries! The AIN is hosting and running a one-day seminar on 'Military/Civil Operations in a Space-denied Environment' at ADFA in Canberra. More details will be provided in the new year, but the seminar is planned for 0830-1700 hrs on 22 May 2015 at the Military Theatre at the Australian Defence Force Academy. There is not expected to be any cost for military or AIN members.

The aim behind the seminar is to explore the 'what if' of GPS and space-based communications being denied to the Australian military and civil operators. While this has been explored previously when considering particular platforms, the reversion to non-space-based navigation and communications systems has been less well explored when considering how civil-military operations will continue at a national/theatre level. The seminar will include a working lunch and networking/refreshments afterwards.

14-16 July 2015 – International Global Navigation Satellite Systems Society (IGNSS) 2015- Gold Coast

The IGNSS 2015 conference is being held at the Outrigger Hotel, Gold Coast, Queensland, on 14-16 July 2015. The

conference will include keynote speakers, panel sessions and a trade exhibition. The subjects being addressed at the conference include; alternatives to GNSS; GNSS system providers and issues; and UAV navigation.

AIN is participating in the conference through the involvement of the President of AIN, Prof Chris Rizos, on the IGNS Society Advisory Committee, and through the AIN sponsorship of the travel/accommodation costs of one of the US Keynote Speakers. The sponsorship of this international navigation-related event is a first for the AIN, which could potentially be a part of the organising committee in the future.

Other Navigation-Related News

Governor-General Agrees to be Patron of AIN

On 20th November , The Governor-General, Sir Peter Cosgrove, advised the Institute that he was pleased to accept the role as Patron of the Australian Institute of Navigation. His letter stated that '...he sees the work of the Institute as complementary to his responsibilities as Governor-General, and to themes of personal interest to him...'.

The Secretary worked for General Cosgrove a few years ago in the military, and has fond memories of his personable and 'hands-on' style of leadership. Hopefully, the AIN will be able to benefit further from his Patronage.

Offer by RIN for RIN journals and Newsletters

The Royal Institute of Navigation from the UK has indicated to the AIN Secretary that they would be willing to offer a discounted rate to AIN members for the delivery of

RIN journals and newsletters. The rate is 80 pounds per annual, a savings of about 50 pounds over the normal RIN membership. If you are interested in this option please contact the Secretary.

Re-establishing Connection with the Australian Maritime College, Launceston

The AIN Secretary, AVM (retd) Kym Osley, recently visited the Australian Maritime College in Launceston and met with Dr Elizabeth Vagg. Dr Vagg stated that she thought that the AIN could assist the learning experience of the commercial merchant seamen under training at the College by providing a mentoring role. She felt that while academic studies were being well delivered; the students would benefit from occasionally having an AIN guest speaker talk about the practicalities and challenges as a senior commercial mariner. The AIN has enlisted the aid of AIN Councillor CAPT Peter Martin (who is a graduate of the AMC, and is both a Master Mariner/pilot in the commercial world and a Commander in the Navy Reserve) to provide the mentoring support, and also to present awards to high performing students. We are looking forward to this initiative getting underway early in 2015.

AIN Facebook Site

The AIN is in the process of setting up and initially populating a Facebook page. This will go live shortly, and details will be advised to members on how to access it. The Secretary is looking for an AIN member to be the 'custodian' of the AIN Facebook page; a not very difficult task for a 'Facebook-savvy' AIN member! Please let the Secretary know if you are willing to takeover the rollout and monitoring of the AIN Facebook page.

AIN Webpage

The Secretary recently updated the AIN Webpage with details of the latest AIN Council and revised contact details. However, there are still a 'few issues' with some of the pages, which the Secretary is tackling at this time – so please excuse the website for any faults while he works on it. The website is at www.ain.org.au

It is anticipated that the web-Page will continue to be maintained with at least contact details and details of upcoming events to support those members who do not want to access the AIN Facebook page.

At the moment, the Secretary is the only member with editor rights for the AIN webpage. He would be happy to share that responsibility with any other member who would be able to assist with occasionally updating the webpage.

AIN Subscription fees 'holiday'

As you are aware, the AIN Council decided to not charge any subscription fees to any member/ organisation during the recent period of change and renewal. However, all good things must come to an end and so the one-year 'holiday from AIN subscription fees will end on 30 June 2015. Subscription notices will be sent out in about March/April 2015 for the period 1 July 2015 to 30 June 2016.

Welcome to Our Newest Members!
(complimentary 1 year membership)

- LEUT Thomas Geraghty, RAN
- Mr Timothy Cox
- LEUT Michael Gordon, RAN
- LCDR Nick Townley, RAN
- PLTOFF James Rae, RAAF