



**ANNUAL GENERAL MEETING
HELD
10 March 2016
at Level 1, Occidental Hotel, York Street, Sydney**

Item 1. **Opening:**
The Chairman opened the meeting at 1700 hrs

Item 2. **Attendance:**
Fellows and Members present:
Prof Chris Rizos – President
Mr Bob Hall – Vice-President
AVM (retd) Kym Osley – Executive Secretary
CAPT Dave Pyett – Treasurer (and Public Officer)
CAPT Peter Sturt - Councillor
Mr Bernie Larkin - Councillor
CAPT Martin Silk - Councillor
Mr Tom Davidson - Councillor
CAPT Peter Martin – Councillor
Mr Joe Doyle
CAPT Ian Watkins
Mr Simon McEvoy
LEUT James Goold, RANR

Others:
Mrs Debbie Osley - AIN ADMINO
Mrs Ruth Doyle

Apologies:
CAPT Daryl Smith – Councillor
LEUT Ben Scott
Ron Houghton
Bob Fozzard
Reg Chasney
Mark Shannon
Colin Jones
John Colwell
Brian O’Keefe
RADM Ken Doolan
Ken Duncan
WGCDR Dave Riddell

VADM Tim Barrett
VADM Ray Griggs

Item 3. **Confirmation of the last AGM and Council Minutes (27 Aug 14 and 30 March 2015 respectively).**

The Secretary noted that the Minutes of the AGM from 27 Aug 14 had been distributed by mail and email soon after the meeting, and that he had placed copies around the room for reference. The Secretary noted that at the time of the AGM there was an expectation that the AIN might cease operations, and so there were no actions arising from the Minutes. Since the AGM there had been three further AIN Council Meetings and all the actions were either complete or in progress.

Proposed by PROF Chris Rizos and seconded by Kym Osley that the Minutes be accepted. Agreed by all.

Item 4. **Open Actions from the Minutes of the Previous AGM: Nil**

Item 5. **Secretary's Report – see Attachment 1.**

The Secretary noted that three Council meetings had been held, and arising from these the AIN had organised and held a major Seminar on Civil and Military Operations in a GNSS Degraded Environment in conjunction with Defence in May 2015. This was followed by participation in a very successful IGNSS Symposium in Queensland in July 2015. More recently, the AIN had organised for a submission on an Australian SBAS to be progressed to the Australian Aviation Policy Group, and as a result a review of the 2009 SBAS study will be conducted later in 2016 to determine the latest 'pros and cons' for an Australian SBAS.

AIN Membership had increased from 120 to 148 in the past 18 months, despite 42 members who resigned, passed away or became uncontactable. The average age of AIN members had reduced by about 12 years in the past 18 months, and the number contactable by email had increased from about 20% to about 65% (and increasing).

Proposed by PROF Chris Rizos and seconded by Kym Osley that the Minutes be accepted. Agreed by all.

Item 6: **Treasurer's Report – See Attachment 2.**

The Treasurer explained that there was some delay (12 months) in his gaining access to the AIN account, which was covered by the Executive Secretary providing funding (including for the May 2015 Seminar and the \$3000 sponsorship for the IGNSS) and then getting reimbursed. This accounted for the large reimbursement to the Secretary once access to the account had been achieved.

The Secretary noted that at the last AGM the accounts were \$17, 216.07. The Treasurer stated that in his view, and noting that a \$3000 sponsorship had been provided to the IGNSS Symposium in 2015 and additional AIN banners and a stock of AIN plaques had been procured, that the financial situation of the AIN was still very healthy with a balance of about \$12,000. The key expected outgoings for 2016/17 were website expenses, support to symposiums, newsletter/postage for the members

without email addresses, and AIN book prizes. This was expected to be more than offset by normal subscriptions.

Item 7. President's Annual Address

Prof Rizos welcomed the members and thanked all for their support over the past 18 months. He outlined the key activities since the last AGM, and in particular the very successful IGNSS Conference in July 2015 which the AIN was a key sponsor. PROF Rizos stated that the AIN sponsorship was used to get PROF Todd Humphreys, from the Austin Radionavigation lab at the University of Texas, to Australia for the IGNSS conference. His research into GPS vulnerability has made him one of the world's leading experts on GPS technology and the security concerns that arise from its ubiquitous use. In 2008 he co-founded Coherent Navigation, a startup dedicated to creating more secure GPS systems. He has testified to Congress about the risks inherent in overreliance on GPS and its vulnerability to 'spoofing'.

Prof Rizos stated that the AIN had several options for further engagement with IGNSS going forward, including potentially taking on the overall coordinating role of the IGNSS Society (& its website, and past symposium papers). This opportunity was coming up from 2017 as a result of the original organisers of the IGNSS Symposium and the IGNSS Society retiring.

He also noted that there were ongoing opportunities for supporting other navigation-related seminars and conferences along similar lines to the May 2015 seminar.

Prof Rizos also stated that there was scope for greater interaction with the other international Institutes of Navigation. Mr Tom Davidson did offer a note of caution about the potential for the International Association of Institutes of Navigation (ION) to seek to apply an additional levy against members (Secretary noted this and all agreed that all details would be confirmed before any sort of partnership arrangement with the ION was brokered).

Item 8. Election of New Office Bearers

The President declared all positions vacant, and noted that the current four office bearers (President/Vice President/Secretary and Treasurer) were all only one year into their appointments and so could be re-elected.

The President, Secretary and Treasurer all accepted their renominations for their positions. In the absence of any other nominations, these were put to the vote. Nominated by Mr Bernard Larkin and seconded by Mr Tom Davidson. Elected by all.

The Vice-President, Mr Bob Hall, stated that he would prefer to hand over to another member.

Mr Martin Silk was nominated by Kym Osley, and seconded by Mr Peter Sturt. He was elected Vice-President by all.

All current Councillors were re-elected to their positions – eg all the office bearers, plus Mr Tom Davidson, Capt. Peter Sturt, Mr Bob Hall, Capt. Daryl Smith, and Capt. Peter Martin.

In addition, Capt. Simon McEvoy nominated Leut. James Goold, RANR to the position of 10th Councillor, which was seconded by Mr Martin Silk and agreed by all.

The President and Secretary congratulated and thanked the new appointees to the Vice President position and Council and thanked Mr Bob Hall for his great work as Vice President.

Item 9. Other Business:

1. **Review of the Constitution.** Capt. Pyett noted that the AIN Constitution requires some minor updating to reflect the realities of how business is conducted. He volunteered to take the good work that Capt. Sturt did in reviewing it in 2014, and come to the next Council meeting with some suggested changes.

Action 1/16: Review of AIN Constitution. Capt. Peter Sturt has completed a draft review of the Constitution in 2014 and provided a summary of the recommended changes in written format to the Council at the time. This list was approved, but more changes may be required. Capt. Pyett will review these recommendations in the light of how the AIN is likely to operate into the future, and bring an updated list of recommended changes to the Constitution to the next Council meeting.

Action 2/16: Secretary to produce copies of the new Constitution and pass copies to all Council members and post one on the website. Action open.

2. **Role of AIN in future of IGNS Symposiums.** Prof Rizos outlined several options for how the AIN might 'partner' with the future IGNS Symposium convenors. These ranged from actively assisting in organising it through to being less directly involved. The key issue was to ensure that the AIN was not financially linked to the IGNS (except for the option where IGNS members may become AIN members). One option is to set up a GNSS division or chapter within AIN that would take on the operations of the IGNS Society. The intention was for the IGNS Symposium to be run by a small committee of interested people drawn from the Local Organising Committee. It is as yet unclear what the financial entity will be.

Action 3/16: The President will develop and bring options for how the AIN might engage with the IGNS Conference into the future and brief these at a future Council meeting.

3. **New AIN Webpage.** The new AIN webpage was noted as an improvement on the old one. The Secretary noted that he had a webpage manager who made sure it operated correctly and was up to date (Mr Daniel Vigliotta). All members

were invited to send documents, articles or photos to be published on the website to the Secretary.

4. **Review of Fees.** It was noted that the subscription fees appeared adequate and so no change for 2016/17.

1. **Signatories to the AIN Account.** The previous decision by the Council was ratified concerning signatories to the accounts. The President and Public Officer, and the Council assembled at the AGM meeting, hereby authorised that the following Council Members shall be the signatories to the Institute's bank account, and may sign cheques, "any two to sign", and they hereby authorised the Commonwealth Bank to make any changes to the list of signatories which the Treasurer, the Public Officer or the President shall from time to time authorise. These members are:

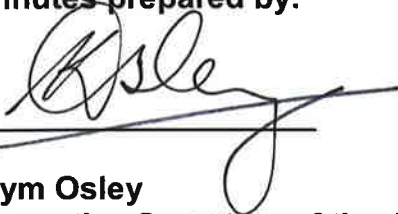
- o Capt. Peter Sturt, Councillor and previous Public Officer,
- o Capt. David Pyett, Treasurer and Public Officer,
- o Prof Chris Rizos, President,
- o Mr. Kym Osley, Secretary, and
- o Mr Tom Davidson, Councillor.
 - It was noted that Tom Davidson was already a signatory from his previous period on the AIN Council.

Item 10. **Meeting Closure and Next Meeting**

Next Counsel Meeting, June 2015. The Council will meet again in three months. In between there will be the normal Technical meetings/Dinners.

Meeting closure. The President declared the meeting closed at 1800 hrs.

Minutes prepared by:



Kym Osley
Executive Secretary of the AIN
14 March 2016

Minutes Endorsed by:



Prof Chris Rizos
President AIN
14 March 2016

Minutes Endorsed by:



Capt. Dave Pyett
AIN Public Officer/Treasurer

14 March 2016

Secretary's Report – AIN AGM 9 March 2016

• **Meetings**

- Previous AGM was 27 August 2014
- Three additional Council Meetings were held – 16 Sep 14, 12 Dec 14, and 30 Mar 15

• **Major activities since the last AGM:**

- AIN-Defence 'Civil/Military Operations in a GNSS Degraded Environment'
 - May 2015
 - Excellent attendance (about 100)
 - Very useful outcomes
 - Very good speakers
- IGNSS Conference – Gold Coast – July 2015
- Nominations sought for the Thurlow Award by Commander Peter Martin, RAN on behalf of RAN and AIN.
- Seeking Government Support for an Australian SBAS
 - Submitted SBAS position paper to the December 2015 Aviation Policy Group
 - There is agreement that a study will be done in 2016
 - Secretary AIN met with Infrastructure on 4 March 2016
- Regular Technical/Dinner meetings held most months in conjunction with HCMM and NI.
- AIN Xmas Event held at HMAS Watson in December 2015 – a great success.
- Had the AIN Emblem included on a plaque on the Memorial to Mariners in Tasmania in January 2016 (CAPT Daryl Smith represented the AIN at the dedication)
- Have presented prizes (AIN Plaques – which were manufactured by D. Osley) to members of the ACO Course and the RAN Navigation Courses.
- Secretary AIN represented the AIN at the change of name of the School of Air Warfare at East Sale.
- Established a new AIN website in 2015.

• **Other Organisations**

- Have sought and now receive a complimentary copy of the RIN Newsletter (and the French one as well)
- Have worked closely with NI and HCMM
- Worked closely with RAN and RAAF

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- **Additional Assets:**

- The AIN has paid for 4 x vertical display banners that have the AIN logo on them for use at conferences, etc.
- The AIN has paid for a small number of AIN plaques to be manufactured as prizes for the various navigation-related courses/graduations.

- **Membership:**

- Had approximately 120 members on the books in August 2014, and 24 were contactable by email. Few were financial as subscription fees were not being collected.
- 42 members have resigned, died or become uncontactable from that original list.
- In March 2016 there are 148 individual members that the Secretary is in contact with, and 16 Corporate/business members. Over 85 are contacted by email.
- Average age of members has reduced by about 11 years (currently the average age of the 148 members is 64.4 years).
- Unsure of number of financial members (Treasurer has that information as members now only can pay their subscription by direct bank deposit).

Kym Osley AM, CSC, FAIN
Executive Secretary, AIN
9th March 2016

The Australian Institute of Navigation Incorporated

ABN 16 875 718 961

Registered Address:

c/- Capt. David Pyett (Public Officer and Treasurer)

357 Maroubra Road, Maroubra

NSW 2035.

FINANCIAL STATEMENT AS AT 9TH MARCH 2016.

Notes:

After some months of disturbance, the Institute settled down again in 2015, and I managed to organise the bank accounts at the Commonwealth Bank, so that the previous office holders were relieved of the responsibility, and the incoming officers were duly logged onto the account.

As of now, the signatories to the AIN account are myself, the Treasurer and also our President Chris Rozos and Secretary Kym Osley. We have made it "any one to sign" so that things will proceed if I or any other the other two are away.

The first bank statement which was received under the new system was that of 25th August to 24th September 2015. The opening balance was \$20,093.06 credit.

The first cheque was number 000719, for \$8,399.19 to Kym Osley, for a large number of items which Kym and Debbie had paid on behalf of AIN during those difficult times, and I have receipts for all those expenses.

That left a credit balance of \$11,693.87 at 24 September 2015.

During the next statement period, 25 Sept. to 24 Oct 2015, two memberships were received. One for \$50 from Colin Jones, and the other for two corporate library memberships from Polyspring in Hong Kong, \$270: Total \$320.

That left a credit balance of \$12,013.87 as at 24 October 2015.

The next statement (and the last one received to date) was from 25 Oct. to 24th January 2016.

During that period there were no credits or debits, and the closing balance on 24th January 2016 was \$12,013.87.

Since then we have paid one cheque, number 000720 to Kym Osley for \$81.95, for stamps, receipt in hand. There were no deposits.

Hence as of today's date, 9th March 2016, the current balance at the Commonwealth Bank is \$11, 931.92 credit.

Membership Income:

The last Financial Report dated 30th June 2014 indicated a credit balance of \$18,443. The first statement which I could obtain showed a credit balance of \$20,093, indicating receipts of about \$1,650. I have no details of any outgoings or incomes between 30th June 2014 and 25th August 2015, but a bare analysis of the membership in current financial status at 25 August 2015 shows the following:

Ordinary members :	19, at \$50 =	\$950
Fellows	13, at \$75 =	\$975
Theoretical membership income:		<u>\$1,925.</u>
<u>Increase in bank balance:</u>		<u>\$1,650</u>
Difference		\$ 275

Now this small difference could be due to expenditure of which I am not aware, or maybe some difference in membership fees actually received. However it is not a large amount and in any case there is nothing which can be done about it now.

Current Financial Membership as at 10th February 2016

Corporate: Polyspring Hong Kong 2 members @ \$135.

Fellows: 14

Members: 20

Given at Sydney, 9th March 2016
David Pyett BSc., F.AIN., Master Mariner.
Treasurer, Public Officer
The Australian Institute of Navigation Inc.

President's Report – AIN Annual General Meeting 9 March 2016

Last AGM was held on 27 August 2014

Items worthy of mention:

- Clarification of AIN membership – many thanks to the Secretary General
- New AIN website
- Sponsorship of the International GNSS Society's biennial IGNSS Symposium 14-16 July 2014, Gold Coast, Queensland
 - Many participants believed this was the best IGNSS symposium ever – new format, “less academic”, with good variety of parallel meetings & workshops
 - PCO who have run the “IGNSS Society” & IGNSS symposia for almost two decades have decided to retire – LOC seeks to continue running IGNSS symposia, but also to look to a long term solution for an alternative to the “IGNSS Society” – possible opportunity for the AIN, see below
- AIN represented at several armed forces navigation course graduations – AIN sponsored the prize(s)
- AIN-Defence jointly organised a successful one-day workshop at ADFA-UNSW, 22 May 2015, on “Civil/Military Operations in a SATNAV/SATCOM Degraded Environment”
 - AIN could assist in organising further workshops, as stand-alone events or as part of IGNSS symposia, e.g. on topics such as SBAS

Items still needing attention or discussion:

- How to respond to opportunity to incorporate IGNSS membership into AIN? How to manage IGNSS symposia planning?
- How to engage with other international Institutes of Navigation?
- How to attract more members who are interested in navigation, but not in the traditional streams of aviation, maritime or military?
- How to relate to other geospatial professional organisations, such as SSSI, etc?

AIN & IGNSS restructure:

- IGNSS membership is “free”... how to attract them to join AIN and pay fee?
- Benefits? Perhaps \$50 (or equivalent annual membership fee) discount to IGNSS symposia?
- What to do about past IGNSS symposia publications currently online (IGNSS Society website)?

- Should AIN form a separate “GNSS Chapter” to accommodate IGNSS (& other) membership? Separate membership fee? Or same as AIN members? What benefit/utility in such a (separate) chapter?
- How can the AIN organise GNSS (& other related) workshops, so that AIN benefits (financially, reputation, etc) from link to rapidly evolving GNSS technology?
- No direct financial risk to be taken on by AIN. Hence what if there’s a profit from IGNSS symposia? Is that linked to “GNSS Chapter”?
- If AIN not going to organise IGNSS symposia, who will? (Several members of IGNSS committee/LOC are prepared to run future IGNSS symposia.)
- Next IGNSS Symposium, under old “branding” is scheduled for 6-7 December 2016, at UNSW campus. This will take place independent of AIN decisions re future of IGNSS Society. (Note: AIN President will be involved.)
- There is no urgency on this matter, but discussions should start ASAP, so that IGNSS Society can wrap-up its operations, and transfer IP, email database, past online publications, etc, to new entity.

C. Rizos

9 March 2016