



**ROYAL
AERONAUTICAL
SOCIETY**
AUSTRALIAN DIVISION

SYDNEY BRANCH Inc

**FEBRUARY
2015**

Vol 2015-1 ABN 75 134 058 731

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NEWSLETTER



**Captain Eric Moody (Retired)
Captain of the 1982 British Airways Flight 9
incident discussing
'Gliding the Boeing 747'**

The story of BA flight 009 and the words every passenger dreads ...

Date: Wednesday, 18th February 2015

Time: 18:00 for 18:30 hours

**Venue: Rupert Myers Theatre,
University of New South Wales, Kensington**

Attendance will attract 1 CPD hour

Synopsis: With unbelievable restraint, Captain Eric Moody addressed British Airways flight 009 as his Boeing 747 drifted inexorably down towards the Indian Ocean. Displaying the stiff-upper-lip spirit that built an empire, he uttered the words that are every air passenger's worst nightmare: 'Ladies and gentlemen, this is your captain speaking. We have a small problem. All four engines have stopped. We are doing our damndest to get it under control. I trust you are not in too much distress.' Minutes before, while cruising at ten kilometers above the sea, Captain Moody had instructed his first officer to send a Mayday call to ground control in nearby Indonesia.

The date was June 24, 1982, and this extraordinary flight has since gone down in aviation history. Incredibly, passengers and crew reacted to the captain's cataclysmic announcement not with screams and hysteria, but with an extraordinary calm as the realisation that they were almost certainly sinking to their deaths hit home. Looking out of the aircraft windows, they could see that their plane was coated in an eerie white light and that the engines were on fire, with great jets of flame trailing into the sky. The cabin was now filled with a thick, sulphuric smoke, and the mighty jet bucked up and down as if it were a piece of flotsam adrift on stormy seas.

**This is an unique opportunity for all to join Capt Moody
as he discusses this event.**



**SFO Roger Greaves, Cpt Eric
Moody and SEO Barry
Townley- Freeman**

RSVP: Whilst attendance is free - registration for the evening **is required**. Please register by clicking on/copying and pasting into your URL this link: <https://raesfeb15.eventbrite.com.au> Your registration will be confirmed by email with an attached ticket. **Please print the ticket and present the ticket at the door. Please note:** Non members should enter the code **NM** if requested to enter a RAeS membership number.

Dinner: After the presentation Eric and his wife will join us for dinner as guests of the committee. Members and visitors are invited to attend the dinner to be held at Giovanna Italian Restaurant, 285 Anzac Parade, Kingsford. (approx \$35 pp including soft drink wine.)

Parking: Limited parking is available in surrounding streets with paid parking within the University of NSW car park tower, entry from Barker Street. Please observe parking restrictions and allow time to drive to the University of NSW, park and walk to the venue. (Refer map).



Public Transport: Regular buses (391, 392, 393, 394, 396, 397, 399, M10) leave from outside Museum train station in Liverpool Street, and the 395 and M50 in Elizabeth St, opposite Central Station. Please allow time to travel by public transport, including waiting time, and time to walk to the venue from the UNSW bus stops. There are a number of other buses such as the 400 and 370 that travel to and from suburbs on the outskirts of the CBD and stop at the UNSW. Please refer for further details: <http://www.sydneybuses.info/routes/timetables-route-maps>

Avalon Airshow 2015 - Aerospace Student Profession (ASP) program: A special invitation is extended to "Aerospace Student Professionals" to attend, as Accredited Trade Visitors, for one-day only and at nil cost, on either of the Trade Days: Tuesday 24 February, Wednesday 25 February or Thursday 26 February 2015. An "Aerospace Student Professional" is defined as any Undergraduate and Postgraduate University, or TAFE student undertaking tertiary courses throughout Australia in aerospace engineering, aviation sciences or technology, who shows a keen interest in pursuing a career in the Aerospace, Aviation and Defence industries. Undergraduates who take up this invitation will be formally accredited as an "Aerospace Student Professional". This will include the issue of a distinctive badge to assist Exhibitors to identify them from other Trade Visitors. The process to seek accreditation as an "Aerospace Student Professional" for a nominated Trade Day has been developed by Aerospace Australia Limited and the Royal Aeronautical Society (RAeS), with assistance from Engineers Australia. Full details of this application and accreditation process are available from the Royal Aeronautical Society - Australian Division website: <http://www.raes.org.au/index.php/events/2014-07-29-09-21-11/asp-program-2015> This accreditation process is being managed through the Melbourne Branch of the RAeS. The program is particularly directed at those students who are in their final years of professional study, prior to joining the aviation and aerospace workforce.

Subject to all accreditation requirements being met, this admission will provide "aerospace student professionals" with a unique self-education opportunity. This also includes access to pre-reading material (via selected website links). Additionally, accredited "aerospace student professionals" will be able to attend, at no charge, some of the conferences, symposiums or forums being conducted at Avalon on the nominated Trade Day, subject to availability as determined by the conference manager. (Don't forget to take advantage of any Jetstar flights to Avalon.)

Friendly Reminder: The 2015 Annual Subscriptions for Australian Division members are now due and must be paid by 31st March, 2015. Where a member's subscription payments is not received by 31st March, 2015, the membership shall lapse and all services shall be suspended including any right to designatory letters and to be registered with the Engineering Council.

Who is being interviewed: Atilla Olgun, our talented and enthusiastic younger member of the 2014 Sydney Branch Committee, representing the UNSW's Aviation Society on the Committee, and who has recently completed the UNSW Aviation Management degree developed an idea to interview and video key aerospace players. His first interview has been completed with Captain Richard de Crespigny FRAeS. The thrust of the interview is Richard discussing the future of the industry and the important role the RAeS plays in the development of careers. In conjunction with this initiative the Australian Division Webmaster has added a "Young RAeS" page to our website which includes the video. To view please click on: <http://www.raes.org.au/index.php/young-raes>

Report on AGM held 9th Dec 2014: Our AGM and Christmas Bash at the upmarket 3 Wise Monkeys pub in George Street was quite a turnout. Following the AGM which was attended by 18 members, was the Christmas Bash. The highlights were a series of short presentations which included Body Shape Matters (blended wing concepts), How Not to Die in a Glider, Digging a Connie Out of the Mud (Qantas retrieval team) and a trivia quiz. It was a formula for success and congratulations must go to David Cox, Brian Greeves and Boris Jovanovis. Attendance was 32. The beer and pizzas were pretty good too.

Aerospace - Value for money Peter Marosszky recently shared the following and I thought it worthwhile passing on. The cost of operating the first B747 was in the order of US\$1.79 per seat per km. The B747SP that was basically developed for Qantas, delivered a unit cost of \$1.21 and the 747-400 when it arrived put in the remarkable performance of 79 cents. If that sounds pretty good consider that today's B777 offers 53 cents. And when you've got that perspective clear in your head top it off with the knowledge that the B787 provides 17.8

cents! No wonder airlines are keen to get their hands on the new generation airliners and to rid themselves of the old. Peter does not have the Airbus numbers to hand but he is sure they will tell a very similar story. Thanks Peter.

2014 Diary: 24-27 Feb: The Australian International Aerospace Congress (AIAC) series is the pre-eminent aerospace forum in the region and is held in conjunction with the Australian International Airshow in Avalon. The 16th in the series, AIAC16 has been organised to provide significant technical and business opportunities for aerospace professionals worldwide, but particularly for those in the Australasian region. AIAC16 will be held over 4 days. The first two days will comprise of “Written Paper Presentations” at the Melbourne Convention Centre from the 23-24 February, 2015; and the second two days will comprise of “Application Technology Presentations” in conjunction with the Australian International Airshow and Aerospace and Defence Exposition from 25-26th Feb at Avalon. The theme for this congress is “Multi-National Aerospace Programs – Benefits and Challenges”. Refer for details: www.aiac16.com./index.php/program/call-for-submissions

24 Feb-1 March: Australian International Airshow and Aerospace & Defence Exposition, Avalon Vic. ‘Call for Volunteers Avalon 2015’ recently made. Refer for further details: <http://www.airshow.com.au/airshow2015/TRADE/index.asp>

10 Mar: Eminent Speaker evening jointly with Engineers Australia. Presentation entitled ‘Gas Turbine Materials – Hot and Highly Stressed’ by Mr Mike Goulette, retired from the role of Director of Engineering Systems and Services, Rolls-Royce in 2010 after a 45 year career.

4-7 May: AUVSI’s Unmanned Systems 2015 Conference being held Georgia World Congress Center, Atlanta USA. Refer: www.auvsishow.org/auvsi2015/public/Content.aspx?ID=1581&sortMenu=104001

8-10 June: 2015 Global Connected Aircraft Summit, Westfield Marriott Washington Dulles. Refer for further details: www.qcasummit.com

Sept 2017: International Astronautical Congress to be held in Adelaide. Thousands of scientists, including some 200 astronauts, will participate in the international space congress. Further details will be advised when available.