

The Melbourne Branch of the Royal Aeronautical Society

Newsletter

February 2010



From the Editor

Welcome to the Melbourne Branch newsletter for 2010. Firstly, a big "thank you" to Karen Trezise for her amazing efforts in producing the newsletter these past three years. In stepping into the role as the new Editor, I have big shoes to fill.

Over the coming months I'm keen to introduce some new segments to the newsletter to make it even more of a resource for the Victorian aeronautical community. As such, I'd be pleased to hear your ideas and receive feedback on what you find most useful.

The Branch's first event for the year is a visit to the Ansett Flight Simulator Centre (now known as *Ansett Aviation Training*). The 2005 site visit was a very memorable and educational experience and I'm sure those who attend this year's visit will be just as impressed. But remember to register early, as places will fill fast!

Remember to also pass this newsletter onto colleagues and friends who may be interested. We'd love to connect them to what's happening in the Victorian aeronautical community.

Best Regards,
Luke Webb

6 November, 1959

A Sidewinder infrared air-to-air missile was test-fired from a RAAF Avon Sabre over Woomera against a Jindivik drone, flying at more than 40,000ft. This followed RAAF Avon Sabres firing several air-to-air rockets, subsequently shooting them down with Sidewinder infrared missiles fired from the same aircraft.



February Event

Ansett Flight Simulator Site Visit

Hosted by: Graeme Smith,
Business Development Manager,
Ansett Aviation Training

Date: Monday 8th February 2010

Time: Please arrive promptly at the facility by 6.15pm for a 6.30pm start

Where: 50 Garden Drive, Tullamarine (off Mickleham Road)

RSVP: Registrations required for this free event (see below)



The site visit to the Ansett Simulator Centre in 2005 was a very popular event and was fully booked out. Make sure that you register early for this unique opportunity to tour the largest aviation training facility in the Southern Hemisphere. See the flyer on page two (and make sure you display a copy in your workplace!).

REGISTRATIONS ARE ESSENTIAL

Places are strictly limited and will be offered on a first-come first-served basis.

Please register as soon as possible by emailing your name to
luke.webb@student.rmit.edu.au

April Event (EA/RAeS Eminent Speakers Program)

Survival of the Fittest: 90 Years of Dutch Aeronautics - RDT&E* in a Globalising Environment

Presented by: Mr Fred Abbink,
General Director, The Netherlands National Aerospace Laboratory

Date: Thursday 8th April 2010

Time: 6.00pm for 6.30pm Start

Where: Engineers Australia VIC Division Auditorium, 21 Bedford St, North Melbourne

Cost: FREE for RAeS & EA Members, \$10 inc GST for Non-Members

RSVP: Ph 02 6270 6548 or register at
www.engineersaustralia.org.au



More details to follow in next newsletter.

* RDT&E: Research, Development, Testing and Evaluation

The Melbourne Branch of the Royal Aeronautical Society presents

Ansett Flight Simulator Site Visit

Hosted by

Graeme Smith

Business Development

Manager,

Ansett Aviation Training



Site Visit Overview

Ansett Aviation Training is located five kilometres from the Tullamarine International Airport in Melbourne, Australia. The aviation training facility is the largest in the Southern Hemisphere, currently housing twelve Full Flight Simulators with associated briefing rooms. Recent expansions to the buildings include new state-of-the-art facility upgrades as well as the addition of new simulators.



REGISTRATIONS ESSENTIAL

Places are strictly limited and will be offered on a first-come first-served basis.

Please register as soon as possible by emailing your name to

luke.webb@student.rmit.edu.au

Please note that the event is free-of-charge.

Monday 8th February 2010

Please arrive promptly at the facility by **6.15pm** for a 6.30pm start

Venue: **50 Garden Drive, Tullamarine**
(off Mickleham Road)



Aeronautical News Brief

Boeing 787 First Flight

USA: Boeing's new twin-aisle aircraft, the Boeing 787, made its first flight on 15 December 2009 from Paine Field, Everett. The first aircraft, registered N787BA, took to the air at approximately 10.27am local time and flew for just over three hours.

First Wedgetail Delivery

Newcastle: The Royal Australian Air Force took "initial delivery" of its first two Boeing Wedgetail AEW&C aircraft on November 26 at RAAF Williamtown. The aircraft will initially be used only for training purposes and will remain on the U.S. civil register until about March.

Airbus A400M First Flight

France: Airbus Military's 141 tonne air lifter, the A400M, took to the skies for the first time on December 11 at 10.15am local time from Seville in Spain. The flight lasted for 3 hours and 47 minutes. France anticipates taking delivery of their first aircraft in 2012.

RAAF Joint Strike Fighter Order

Canberra: Australia has placed its first official order for the Joint Strike Fighter (JSF), ordering 14 copies of the F-35A CTOL (Conventional Take Off & Landing). The deal is estimated to have cost \$3.2 billion AUD. Aircraft are expected to be delivered from 2014 onwards.

New Research Centre

Melbourne: Federal Senator Kim Carr recently opened the new Australian Advanced Manufacturing Research Centre (AusAMRC) which is a partnership between Swinburne University and Boeing. The Centre is aimed at improving Australia's global competitiveness in aerospace manufacturing, and will work closely with the internationally acclaimed Advanced Manufacturing Research Centre (AMRC) in the United Kingdom.

AusDiv AGM

ANNUAL GENERAL MEETING

Notice is hereby given that the 2009 Annual General Meeting of the Royal Aeronautical Society Australian Division Inc. will be held –

ON – Saturday, 20th March 2010

AT – 1600hrs

IN – Ground Floor Conference Room,
QANTAS Building QCE (TNT Building),
Bourke Road, Mascot, NSW.

Note: Any member wishing to attend must advise the Honorary Secretary no later than Wednesday 17th March to permit security arrangements to be organised.

AGENDA

1. Apologies.
2. Minutes of the Annual General Meeting held on 21st March 2009.
3. Business Arising from the Minutes.
4. Annual Report and Financial Statement for the year ending 31st December 2009.
5. Appointment of Auditor(s) for 2010.
6. Appointment of President-elect for 2010-2011.
7. Amendments to Constitution and Rules*.
8. Any other business accepted by the Chairman.

*The Constitution and Rules (C&R) were amended as approved at the 2008 AGM and submitted to the Registrar General's office. The Registrar General (RG) required additional changes to the C&R to comply with the Act. The changes required by the RG were incorporated using sections from the "Model Rules" and such changes do not require member approval. The C&R is considered to be the Deed of Association with the Society and therefore changes must be approved by the Society. The Society has accepted the changes, although it has recommended some clarification of wording be introduced at the next amendment.

R.D.Barkla—Honorary Secretary

Events to look out for

Air Pageant 2010

When: 28 February 2010 - Gates open at 9:00am (Flying commences at 1:00pm)

Where: RAAF Museum Point Cook (RAAF Base Williams, Point Cook Road, Point Cook)

A number of historic and iconic aircraft will be present including the Mustang, Kittyhawk, Sabre, Winjeel, Tiger Moth, DC3, Vampire, Sea Fury, Wirraway, Boomerang, Spitfire and many more. Food Outlets, Souvenirs & Ground Displays will also be present.

More information at

<http://www.airforce.gov.au/RAAFMuseum>

Yuri's Night 2010

Described as "The World Space Party", Yuri's Night is a celebration of humanity's achievements in space. Each April 12, people from around the world organise local celebrations to mark the anniversary of Yuri Gagarin's first flight into space (in 1961) and the first launch of the US Space Shuttle (in 1981).

Last year, there was no party organised in Melbourne, so 2010 is the perfect opportunity for perhaps a student member to organise and register an event!

The initiative is was started by the UN's Space Generation Advisory Council in 2001. To register a celebration, or for more information, visit www.yurisnight.net

Branch Committee

Chairman: Domenico Lombardo

Hon. Secretary:

Air Cdre Noel Schmidt

Hon. Treasurer: Shayne Powell

Events Manager: Anthony Patti

Asst. Events Manager: TBA

Webmaster: TBA

Newsletter Editor: Luke Webb

Membership Secretary:

Sherman Ting

Committee Members:

A/Prof. Cees Bil

Karen Trezise

Contact Details

Post:

PO Box 6229

St Kilda Road Central Vic 3004

Email:

melbournebranch@raes.org.au

Website (Aust. Division):

<http://www.raes.org.au>

Global Website:

<http://www.aerosociety.com>

Opinions expressed in this newsletter do not necessarily represent those of RAeS, the Melbourne Branch or the Editor.

Contributions and feedback are welcomed (however we cannot guarantee publication). Contributions highlighting Australian developments, innovations and ideas in aeronautics are most encouraged.

The Duigan Centenary of Flight—Event Update

On July 16, 1910, John Robertson Duigan flew an aircraft (a seven metre hop) at his family's property, 'Spring Plains' at Mia Mia, near Kyneton, Victoria, Australia. This is acknowledged as the first powered, controlled flight of an all Australian designed and built aeroplane and occurred less than seven years after the Wright Brothers' 'Flyer' lifted off at Kittyhawk, North Carolina.



In the five countries where powered flights were achieved, considerable technical resources were available making Duigan's effort all the more remarkable because he accomplished the flight with little outside help other than several aeronautical reference

texts, the magazine *Aero* and the engineering skills of his younger brother Reginald Charles.

A number of events are being organised to help celebrate the centenary of this unique achievement. They include a weekend of activities at Mia Mia on July 16-18, 2010. These include:

- ➔ The unveiling of a Permanent History Board at the Duigan Monument, adjoining the site of the historic flight (including a fly-over by the Roulettes at 3pm)
- ➔ On Saturday, a day of flying activities at the Mia Mia Oval (including Helicopter joy rides, Hot Air Balloon rides, a paper plane competition, and a display of the replica of the original Duigan Biplane)
- ➔ A black tie dinner on the Saturday evening
- ➔ On the Sunday, an Ecumenical Church Service at the Mia Mia Church at which a RAAF chaplain will preside.

Further details, and updates about the Duigan Biplane replica project are available by visiting www.duigancentenaryofflight.org.au

If undeliverable return to:

**ROYAL AERONAUTICAL SOCIETY
MELBOURNE BRANCH**

P.O. Box 6229

St. Kilda Road Central. Vic 3004

Print Post Approved

PP381691/00015



SURFACE
MAIL

POSTAGE
PAID
AUSTRALIA