

The Melbourne Branch of the Royal Aeronautical Society

Newsletter

October 2010



From the Editor

Last month's event with Dr. Allan Paull attracted strong interest and was a very successful event.

This month, we continue with the theme of Australian-grown aeronautical developments, this time with Mr John Willis OAM from GippsAero (formerly Gippsland Aeronautics). This is especially a timely update with a number of developments in the company, including new shareholders, and the company taking over the design of the Nomad aircraft.

Also this month, *The Transponder* talks with Karen Trezise, the editor for this newsletter for several years until this year.

Also, keep an eye out for special information about this year's Hargrave event. We're finalising details of this event as you read, and will be sending them out shortly!

We look forward to seeing you at an event very soon.

Best Regards,
Luke Webb

October Event—GippsAero

Presented by:

John Willis O.A.M
GippsAero Pty Ltd

Date:

Monday 11th October 2010

Time:

6pm for 6.30pm start

Where:

Engineers Australia Auditorium,
21 Bedford St, North Melbourne

RSVP:

Not required. All welcome to this free event

Overview

In a timely update, John Willis OAM from GippsAero (formerly Gippsland Aeronautics) will provide an overview of the company, its projects and future developments. This also includes an overview of the re-development of the Nomad aircraft.



Australia's role in space: picking up the ball

RMIT University is hosting a Space Policy research seminar, presented by Brett Biddington from Biddington Research Pty Ltd.

2009 represented a tipping point in Australia's involvement with and commitment to space. The Australian Government announced plans to acquire a Synthetic Aperture Radar satellite in the Defence White Paper in order to contribute more effectively to the US alliance. The White Paper also announced an intention by Defence to develop a cadre of space experts and it further stated that Space Situational Awareness (SSA), understanding where objects are in space, was a 'priority' for Australia.

The talk discusses these developments and provides suggestions about what an Australian national space policy, might, should and must contain.

Date: Friday 15 October 2010

Time: 3.30pm - 4.30pm

Venue: RMIT University, Access Grid Room, 8.9.64-66 (visit www.rmit.edu.au to find campus maps)

\$3,600,000,000,000
(US\$3.6 trillion)

The estimated value (USD) of the 30,900 new commercial aircraft Boeing believes will be needed between now and 2029

(Boeing Current Market Outlook 2010-2029)

The Melbourne Branch of the Royal Aeronautical Society presents

An overview of GippsAero, its projects and future developments

Presented by

John Willis O.A.M
GippsAero Pty Ltd

Overview

In a timely update, John Willis OAM from GippsAero (formerly Gippsland Aeronautics) will provide an overview of the company, its projects and future developments. His presentation will cover the breadth of the organisation's operations, from light aircraft maintenance, through to modification, design, certification and manufacturing activities. He will discuss recent developments including the development of the GA8 and the construction of the prototype NM5 (A five seat piston engined utility aircraft designed by the National Aerospace Laboratories of India). He will also discuss plans for the future, including the development of the GA10 (A 10 seat entry level utility turbo prop aircraft based on the GA8), and development of the GA18 – A twin turbo prop multi role aircraft based on the GAF N24A (Nomad).



Monday 11th October 2010

6.00pm for 6.30pm Start

**Engineers Australia Auditorium,
21 Bedford St, North Melbourne**

All welcome to this free event



Aeronautical News Brief

Virgin system crash may spark multi-million-dollar payout

ACCENTURE subsidiary Navitaire could face a compensation bill in the millions of dollars for its role in the Virgin Blue check-in meltdown on September 26, industry experts say. The latest crash is the second for the system since Virgin's \$10 million New Skies upgrade three months ago. This resulted in more than 100 cancelled flights, affecting 100,000-odd passengers. Virgin Blue said its service agreement with Navitaire required any mission-critical system outages to be remedied in a short time but "this did not happen in this instance".

Boeing projects 920 new planes in Oceania in 20 years

Boeing has forecast that over the next 20 years, airlines in Australia, New Zealand and the South Pacific Islands will require 920 new airplanes valued at US\$120 billion. Globally, airlines will need 30,900 new airplanes through to 2029, valued at US\$3.6 trillion.

Gels, liquids may be allowed back onto planes by 2012

Airline passengers may once again be allowed to board flights with creams, gels and liquids that were banned over security concerns, according to the International Civil Aviation Organization. New equipment capable of detecting explosives in water bottles, makeup kits or toothpaste tubes, for example, would be installed at most airport security checkpoints by 2012.

Boeing Completes Production of 1st Australian 'Rhino'

Boeing announced on 24 September that it had completed production of the first Royal Australian Air Force (RAAF) F/A-18F Super Hornet that has the capability to be converted into an electronic attack aircraft. Boeing is pre-wiring the RAAF's second lot of 12 Super Hornets for potential electronic attack capability conversion during production at the company's facilities in St. Louis.

[Sources: Rogers Digital Media, AFP, Boeing Press release, The Australian, Travel Weekly UK]

Make Your Mark on 2011

With Christmas less than 100 days away, it's time to think about how you can contribute to the aeronautical community in Victoria by getting involved in the Melbourne Branch team for 2011.

This year we've had a number of new energetic and eager faces join the team who are thinking big. However we still need YOU to help out—all the new ideas been discussed for the future requires more enthusiastic people to help organise events, write articles, promote activities, and bounce-around new ideas.

Students—this is a great addition to your CV, and a great way to network. And for those who are 'young at heart', this is your chance to make a contribution to the next generation of aeronautical leaders.

Just fill in, then send in the slip below, or email us with the details, and we'll be in touch.

Vale Thomas James Watson OAM

Tom Watson, the winner of the Australian Division's first Lawrence Hargrave Award and the "father" of aerial agriculture in Australia, and possibly the world, died on 3 September. He was 92.

A service commemorating Tom's life was held on Friday 10th September at the Camellia Chapel at Macquarie Park Crematorium.

2011 Royal Aeronautical Society Melbourne Branch Committee Nomination

Mail To: The Royal Aeronautical Society, Melbourne Branch, Attn: Honorary Secretary, *C/-Engineers Australia, Suite 201, 21 Bedford St, North Melbourne VIC 3051*

Or email: melbournebranch@raes.org.au

Name _____

Membership Grade _____ Membership Number _____

Position Nominating for _____

Contact Number _____

Email Address _____

Branch Committee

Chairman: Domenico Lombardo

Hon. Secretary:

Andrew Harrington

Hon. Treasurer: Anthony Patti

Events Manager: Crystal Forrester

Asst. Events Manager: Cynthia Chen

Webmaster: Stratos Patsikatheodorou

Newsletter Editor: Luke Webb

Membership Secretary:

Sherman Ting

Committee Members:

A/Prof. Cees Bil

Air Cdre Noel Schmidt

Karen Trezise

Contact Details

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Websites:

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

<http://www.aerosociety.com>

Opinions expressed in this newsletter do not necessarily represent those of RAeS, the Melbourne Branch or the Editor. Promotion of external events does not imply endorsement by RAeS. Contributions and feedback are welcomed (however we cannot guarantee publication). Contributions highlighting Australian developments, innovations and ideas in aeronautics are most encouraged.

**Our
address
has
changed!**

The Transponder



Karen Trezise

Aerospace/Avionics Engineer

BAE Systems Australia Defence

How would you describe yourself?

A dedicated and motivated Engineer/Pilot who strives to make a difference

Education & Background

Bachelor of Engineering (Aerospace)/

Bachelor of Applied Science (Avionics)

When did you first know you wanted to work in aeronautics?

When 19, I was lucky enough to be given a Trial Introductory Flight as a birthday gift from my parents who knew I had a fascination with aircraft (we lived near a Moorabbin approach point, so I watched aircraft all day). Not having the funds back then to fund a flying degree, the next best option for me was to become an Aerospace Engineer.

Describe one of the most rewarding projects you have worked on.

Whilst working for Tenix Defence, I was Test Coordinator and Test Engineer for a Sea Hawk Upgrade Project. A part of qualifying for the position as Test Engineer, I had to complete Helicopter Underwater Escape and Sea Survival Training. This project was very satisfying for me as I got to be part of the whole project lifecycle, playing a very hands-on role in the test arena, to finally see the systems integrated and flying.

Favourite aeronautical feat or moment?

My first solo.

Enjoy doing with spare time...

Flying light aircraft (within schedule and budget constraints), home renovation and competitive ballroom dancing

Volunteer Involvement?

RAeS committee member & Avalon Airshow Light Aircraft Marshal.

Favourite Aircraft?

Definitely the Boeing 777.

Favourite quote/nugget of wisdom?

Your Attitude determines your Altitude (in life, and in the air!)

What are your hopes for the future of aeronautics in Australia?

To become more competitive in the global aeronautics field. Academics and knowledge are very important and can take us a long way, but I would like to see the passion of those in our industry translate into desire to be the best at what we do, to lead the industry on a global scale.

If undeliverable return to:

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North Melbourne VIC 3051

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