



**ROYAL  
AERONAUTICAL  
SOCIETY**

## **AERONEWS**

**Newsletter of the Canberra Branch of RAeS, Australian Division Inc.**

**- September 2011 -**

### **Introduction**

The next Branch lecture will be on 13 September. Unfortunately we were not able to finalize the planned presentation on RAAF's new Multi Role Tanker Transport. Instead, at short notice WGCDR Chris Dunstan, Chief of Staff, Directorate of Defence Aviation and Air Force Safety has agreed to speak about Aviation Safety Management in the ADF.

Details of WGCDR Dunstan's presentation are below. As usual it is open to all, so please circulate the Newsletter widely and urge colleagues to attend.

Although you need not be a member of the Society to attend lectures, we encourage everyone interested in aviation to join. There are appropriate grades for all levels of involvement and membership includes subscription to the excellent Aerospace International magazine. Information and forms are at <http://www.raes.org.au> or call me on 6255 2347 to discuss.

If you do not get your own copy of this Newsletter and want it, just ask. If you are one of the few who still get it by mail and can change to the electronic version, please tell me. It saves time, trees and money. Or conversely, if you are no longer interested in Branch activities, ask and I'll delete you from distribution.

Martin Aubury,

Newsletter Editor

[ozaubury@homemail.com.au](mailto:ozaubury@homemail.com.au)

### **September Lecture**

**Tuesday 13 September**

6.00 pm at Military Lecture Theatre, ADFA

Wing Commander Chris Dunstan psc(j), BSc, MA (Strategy and Management) on **"ADF Aviation Safety Management 1991-2011 - how far have we come?"**

WGCDR Dunstan's presentation will examine the journey taken by Australian Defence Force aviation safety since the watershed year of 1991. It will highlight significant improvements in safety

management made along the way, but also setbacks and significant events.

The presentation will also identify current efforts at safety management system integration and the development of a state safety program for Defence.

Chris Dunstan graduated from ADFA with a BSc. in 1988. He then completed pilot training and was posted to 37 Squadron to fly the C130E Hercules, a tour which included active service in Somalia in 1993. Promoted to Flight Lieutenant, he was posted to Defence Recruiting in Melbourne before returning to flying in 1995 on the HS748 in the Navigator training role at 32 Squadron, East Sale. Two years later he was selected to fly the B200 King Air and in 1999 was promoted to Squadron Leader and posted to the Aircraft Research and Development Unit as Flight Test Safety Officer, flying the B200 King Air.

In 2000 Chris Dunstan left the Permanent Air Force to fly for Kendell, but following the collapse of Ansett Group returned to RAAF and after a year in recruiting was posted to Headquarters Air Command as the Command Aviation Safety Officer. He was next posted to 34 Squadron flying the Challenger 604 business jet in the VIP air transport role and later undertook a six-month deployment with the United Nations Mission in Sudan as the Mission Aviation Safety Officer.

WGCDR Dunstan completed Australian Command and Staff Course in 2008, and was then posted to the Directorate of Defence Aviation and Air Force Safety as Deputy Director – Safety Education and Training on promotion to his current rank of Wing Commander. He completed a Master of Arts in Strategy and Management through UNSW and in January 2011 assumed his current role of Chief of Staff, Directorate of Defence Aviation and Air Force Safety.

Before the lecture meet colleagues for refreshments in the Officers Mess and afterwards you are welcome to join Committee and speaker for dinner.

### **Report on August Meeting**

Prior to the August lecture, Vice-Chair of Canberra Branch Eugene Holzapfel presented RAeS

Fellowship Certificate to Dr Warren Mundy, Deputy Chairman of Airservices Australia and Membership Certificate to Neil Hyland, Head of Aviation at University of SA. Congratulations.

Then Mr Jim Coyne of the Civil Aviation Safety Authority reviewed "**Unmanned Aircraft Systems Developments in Civil Airspace**", and especially the role therein of the International Civil Aviation Organisation (ICAO), CASA and other National Aviation Authorities.

Mr Coyne emphasised that the commercial success of civil UAS depended on their proper regulation, and on their "safe, secure and efficient integration into non-segregated airspace and aerodromes". In turn UAS safety depends on proper integration of a remotely piloted aircraft (RPA), "remote pilot", pilot station and command/control communication links; noting that the latter imposes onerous requirements for spectrum bandwidth and security.

ICAO's UAS Study Group has established that UAS operations impact all 18 ICAO Annexes, sometimes in obscure ways. For instance the fact that some UAS can already fly for several days means that their flight data (accident) recorders must run for longer than ever envisaged for conventional aircraft.

ICAO intends regulating the entire UAS system including the pilot station; RPAs are to have certificates of airworthiness appropriate to their usage and likewise the "remote pilot" must be licensed. And although UAS have potential for autonomous operations there must always be a person in command.

The Study Group has published guidance material in Circular 328 that next year will lead to a mature draft of Standards and Recommended Practices for the civil use of UAS.

Mr Coyne explained that Australia has a leading role in setting international standards for UAS because CASA was the first Authority to develop local ones. There are 13 holders of Operational Certificates for the commercial use of UAS in such tasks as aerial photography, survey, pollution monitoring, power line inspections and law enforcement. All are line of sight operations and none are over populated areas.

## Safeskies 2011

As mentioned more extensively in the last Newsletter, the 10<sup>th</sup> biennial Safeskies Conference will be held on Wednesday 26 and Thursday 27 October at the Hyatt Hotel in Canberra. Its theme for 2011 is **Future Growth: Future Challenges**.

Preceding the Conference, on Tuesday evening at a Parliament House dinner, Australian astronaut Dr Andy Thomas and his wife, fellow astronaut Dr Shannon Walker will jointly present the Sir Reginald Ansett Memorial Lecture.

For more information: [www.safeskiesaustralia.org](http://www.safeskiesaustralia.org)

## AWM Big Things in Store

On Sunday 18 September, 10 am – 3 pm Australian War Memorial will open its Treloar Conservation and Storage Annex at 8 Callan Street, Mitchell. It's an annual opportunity for the public to see a range of objects that are not normally on display; including a recently acquired Sabre fighter that has been assembled especially for this event.

## Weird Wide Web

Many of my generation first became interested in aviation through childhood aero modelling. The days of balsa wood gliders and Keil Kraft kits are long gone except on specialist "replikit" sites like <http://www.greenairdesigns.eu.com>

To see what adult aero modelers are achieving with precision technology (and a background in dentistry) look at the detail workmanship by Young Park in his metal cutaway models of the F-4U-D Corsair and P-51 Mustang at <http://www.craftsmanshipmuseum.com/park.htm>

Truly, truly amazing!

## Dates for the Diary

**Tuesday 13 September** **Branch Lecture**

WGCDR Dunstan on "**ADF Aviation Safety Management 1991-2011 - how far have we come?**"

**Tuesday 11 October** **Branch Lecture**

Mr Ian McLeod of AirServices Australia on "**Monitoring and Control of Aircraft Noise**."

**Tuesday 8 November** **Branch AGM**

**Canberra Branch of the Royal Aeronautical Society, Australian Division Inc.**

**GPO Box 1056, Canberra, ACT 2601**

**Committee 2011**

**Chairman:** Jon Pike

**Vice Chair:** Eugene Holzapfel

**Secretary:** Neville Probert

**Treasurer:** Robin Stanier

**Committee:** Rick Agnew, Martin Aubury, Sue Burdekin, Keirin Joyce, Robert Lee, Dilip Mathew, Ian McIntyre, Andrew Neely

**Global Website:** <http://www.aerosociety.com>

**Aust. Division:** <http://www.raes.org.au>