



HARS
AVIATION
MUSEUM
www.hars.org.au

April 2017 Newsletter

Avalon 2017

In early March our Lockheed C-121C Super Constellation, Connie, was flown to Avalon in Victoria to participate in the Australian International Airshow. Connie participated in flying displays on the Friday evening and during the days on Saturday and Sunday. The evening flight is always spectacular and this year was no exception. In the low evening light, blue and orange flames could be seen extending up to two metres from Connie's 12 exhaust ports!



Connie at Avalon

Photo: Keith Kilpatrick



Connie at Avalon

Photo: Keith Kilpatrick

Connie was a great hit with the airshow attendees and large queues formed on Saturday and even larger queues on Sunday to inspect the interior. Unfortunately, due to the very large numbers of people, some visitors missed out.

As reported in last month's newsletter our Convair 440 was also due to participate at Avalon but a last minute unserviceability prevented it from making its airshow debut. Apologies to all who were expecting to see the Convair. As they say, "that's aviation!"

Connie Repaint

After the successful displays at Avalon, Connie departed for Wagga Wagga where she is currently being repainted. Douglas Aerospace have generously made their state of the art painting facility available, together with a substantial amount of labour. Without this generous contribution the repaint would not have been possible.

Proceeds from last year's Connie Ball have also gone towards materials for the project. Connie is due to return to Illawarra Regional Airport in time for Wings Over Illawarra.



Connie paint preparation

Photo: Ian Poulter



Connie paint preparation

Photo: Ian Poulter

March Tarmac Days

March tarmac days were very successful due in part to glorious weather after an extended rainy period. Aircraft on display were:

- Douglas C-47B Dakota A65-95,
- Douglas DC-3, Hawdon,
- de Havilland DHC-4 Caribou,
- Lockheed P2V-7 Neptune,
- Piaggio P.166 Portofino,
- Boeing 747-438, City of Canberra.



Catalina engine run

Photo: Mark Keech



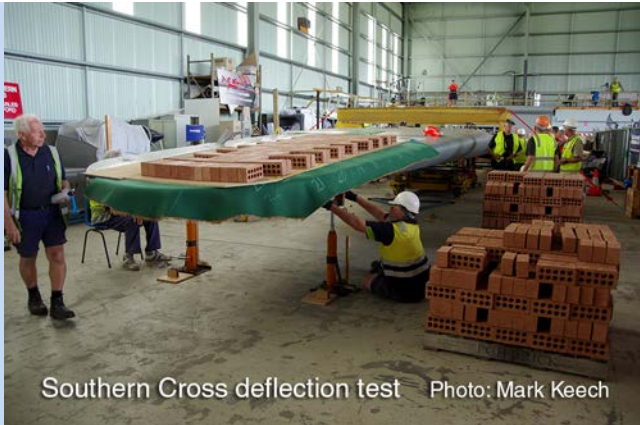
C-47B and DC-3

Photo: Mark Keech

On the Saturday, visitors were treated to an engine run from our Consolidated PBY-6A Catalina, which was being prepared for a mission to Lake Boga, the site of a World War 2 flying boat base in western Victoria.

Southern Cross II Restoration

On Saturday 25 March a major milestone was achieved for the Southern Cross II restoration project when a wing deflection test was successfully completed. The aim of the test was to simulate loading of the wings and measure the stresses and deflection of the structure to ensure that it is within pre-defined limits. This was achieved with the help of our local Australian Air Force Cadets 338 Squadron who assisted in loading the wing with bricks to simulate the flying loads. The test had been the subject of months of planning and brings the Southern Cross II project a significant step closer to a return to flight.



Southern Cross deflection test Photo: Mark Keech



Southern Cross deflection test Photo: Mark Keech

Wings over Illawarra

An exciting line-up is being developed for this year's Wings Over Illawarra airshow at Illawarra Regional Airport on 6 and 7 May. For tickets and details of the show visit www.wingsoverillawarra.com.au.



2 BIG DAYS - SAT & SUN!

6-7 MAY 2017

BUY TICKETS ONLINE NOW!

SEE THE ACTION. FEEL THE EXCITEMENT.

FEATURING* CLASSIC WARBIRODS - RAAF FIGHTER JETS, HEAVY LIFT AIRCRAFT & THE ROULETTES ARMY AND NAVY HELICOPTERS - AEROBATICS BY SOME OF AUSTRALIA'S LEADING PILOTS - HISTORIC FLYING AND STATIC DISPLAYS CHILDREN'S RIDES




*Displays subject to aircraft availability. Additional HARS fee payable to enter HARS static display aircraft.

Illawarra Regional Airport, Albion Park | GATES OPEN 9am | see website for details


NOW IN CONJUNCTION WITH THE NEW AVIATION EXPO 4-7 MAY 2017


Strategic partners: NSW MAKING IT HAPPEN, Destination NSW

Major sponsors: Shell Aviation

www.wingsoverillawarra.com.au

Swing Into Wings Dinner



The Rotary Club  **Illawarra Sunrise**

Invites you to

SWING INTO WINGS



The 747 Dinner
Saturday May 6th

Dine and Dance to the music of The Rusty Cats
The historic Connie and Convair will be open to wander through
HARS Hangar
Illawarra Regional Airport - Princes Hwy, Albion Park Rail
6pm drinks & nibbles onboard the 747 followed by 7.30pm Dinner
Cost \$90 with a cash bar and a Raffle with great prizes

Each table will be hosted by a pilot from the RAAF or RAN

All proceeds to aid Local Rotary Charities

Dress: Smart Casual or add a little bit of "Aviation" for fun. The event is in an aircraft hangar so dress warm.

 TAA Convair	 City Of Canberra	 PBY Catalina	 Super Constellation (Connie)
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Be quick tickets are limited.

Tickets available from www.wollongontickets.com.au or phone Tony McAdam on 0414 426 367

Did You Know...

...the first "jet effect" aircraft was built in 1910 by Romanian born Henri Coanda? He linked a propeller to a large tube that narrowed towards the end. A fuel mixture was injected behind the propeller and ignited by magnetos. Coanda is credited with identifying the aerodynamics of jet flow from machines which was known as the "Coanda Effect".

...the world's first jet aircraft was the experimental German Heinkel He 178? It first flew on 27 August 1939. However, credit for the invention of the jet engine went to Britain's Frank Whittle who registered a patent for a turbojet engine design in 1930.

...the world's first operational jet fighter was the Messerschmitt Me 262, which was operational by mid-1944? Me 262 pilots claimed a total of 542 Allied aircraft shot down. The impact of the fighter on the war was however reduced by aircraft issues such as engine reliability, materials shortages hindering production and fuel supplies.

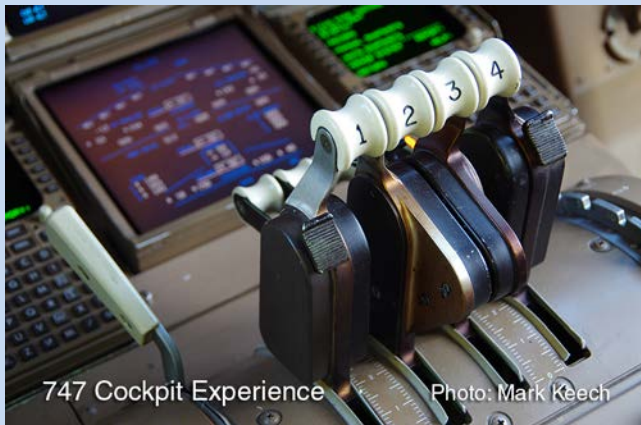
City of Canberra – Boeing 747-438 tours

VH-OJA, City Of Canberra, holds the record as the first and only aircraft to fly from London to Sydney non-stop. There are now two different exclusive tours of our 747-438 available.

747 Cockpit Experience tours now ready for boarding

This tour is conducted by an experienced 747 pilot who will explain the cockpit in detail and will take you through the many procedures required to mount a typical operation. You will experience sitting in the pilots' seats and be able actually to handle the controls. This is an incredible opportunity to experience first-hand what really goes on at the pointy end of these magnificent 747 aircraft.

Bookings are limited to two guests per tour. The cost is \$120.00 per person and is payable at time of booking.



747 Cockpit Experience

Photo: Mark Keech



747 Cockpit Experience

Photo: Mark Keech

The Total Boeing 747 Experience

In addition to the 747 Cockpit Experience, our 747 Premium Tours are still proving to be popular with our visitors. For just \$195 you can have the complete 747 experience.

You will be briefed on every aspect of this historic airliner from its record breaking London to Sydney non-stop flight to the tyre pressures of each of the 18 wheels which comprise the landing gear. Your personal tour guides will explain and answer all of your questions. After a pre-flight video and briefing in our conference room, your tour starts from the ground as you walk around and prepare your Boeing 747 for flight.

Once your pre-flight inspection is complete, climb on board and see what tasks a flight attendant has to undertake before each flight. Having armed and cross-checked the doors and prepared the cabin for take-off, it's up the stairs and onto the flight deck. The pilot will greet you and show you to the captain's seat and run through the pre-start check list and engine start procedure then the rest is up to you. Make your address to the cabin and you are cleared for take-off. Your tour price includes a \$20 gift voucher which is redeemable in our café or gift shop.

If this appeals to you and you would like to see what others only dream about then you shouldn't miss out on this rare opportunity!



The Total Boeing 747 Experience

Photo: Mark Keech

Bookings

Bookings for both tours are strictly limited, so book in early so as not to be disappointed.
For more information and bookings call 02 4257 4333.

Next Tarmac Days

Upcoming Tarmac Days will be held on 14, 15, 16 April and 12, 13, 14 May 2017.

Membership

Are you or a friend interested in joining our tour guide or reception/shop staff ranks? We are actively looking for volunteers to join these areas; lots of laughs and mateship are guaranteed. Maybe you or your partner have a few spare days a month that you would like to contribute to the smooth running of our Museum. An information session for potential new members will be held at 11:00 am on Sunday 23 April. All are welcome.

For further information about membership please visit <http://hars.org.au/contact-us/>. Select 'New Member Enquiries' in the 'Who would you like to contact?' field.



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