



# KENT STREET SENIOR HIGH SCHOOL

Aviation Newsletter June 2015



## Term 2, 2015

### Welcome to Aviation in 2015

The Aviation staff would like to extend a warm welcome to all new and returning students and their parents into the Kent Street aviation community. This year marks the first time that Year 7 students have been able to participate in the Aviation course. We hope that all students will take advantage of the significant opportunities on offer here at Kent Street by involving themselves fully in all aspects of the Aviation program, and that your time with us will be an enjoyable and educational one.

### The Aviation Support Group (ASG)

The second ASG meeting for 2015 was a success with over 80 people attending the meeting and listening to a very interesting talk by Captain Paul Alexander, Senior Check and Training Captain with Virgin Australia and father of Harry, one of our Aviation students. Captain Alexander's speech was very well received and there were many questions from the audience about his career and how to progress in an aviation career these days. The excellent turn-out for the meeting was probably aided by the free pizzas and drinks afterwards!

People at the meeting approved of newsletters being disseminated electronically to parents, however some copies will still be printed to distribute to our feeder schools and other sites as a marketing and promotional tool.

**Next ASG Meeting**  
**Tuesday July 28 7.00pm**

**Guest Speaker: Air Traffic Controller**  
**with AirServices Australia**

We request as many parents and students attend to listen and learn about a career in this field of aviation. Free drinks and pizza will again be on offer to all participants.

The last ASG meetings for 2015 will be a social occasion with sausage sizzle and drinks provided late in Term 4 on Tuesday 8 December 2015. Meetings are held in the Aviation Centre and we encourage as many parents and students as possible to attend.

### Virgin Australia Scholarships

Congratulations to our six new students in Year 7 and Year 8 who each won a \$500 Scholarship from Virgin Australia Airlines. They were Ray Kaneko-Brown, Bei Yi Tin and William Atkinson from Year 7, and Alexander Adam, Kristof Kovacs and Bridgette Macaraeg from Year 8. The winners were selected from a combination of their past reports and their scores in the initial acceptance testing to obtain entrance into the Specialist Aviation Program.



**Year 7 students William, Ray and Bei Yi with their Virgin Australia Airlines Scholarships**



**Year 8 students Kristof, Alexander and Bridgette with their Virgin Australia Airlines Scholarships**

Congratulations to Shivangi Sharma of Year 11, who achieved her first solo in a powered aircraft on 17 April with only about 10 hours flying experience. She was the second student in her course to go solo and also won a \$1600 flying scholarship from the Australian Air Force Cadets.



**Shivangi in the C152 after her first solo flight**

Shivangi writes *“I remember landing back at Murray Field after about 6 circuits early in the morning and my instructor asked me what I wanted to do for my flight in the afternoon. I realised that I wasn't going to go solo on that day and so reluctantly answered back with ‘practice a couple more circuits.’ While taxiing off the runway, he got me to stop and made a radio call alerting traffic, ‘student’s first solo’. I’m sure you can imagine the look on my face! And then I was off, hoping that I would make it down safely.”* Apparently she did so....

### **Royal Australian Navy Visit**

In May, 5 members of the Royal Australian Navy helicopter training school at HMAS Albatross in NSW, home of the Royal Australian Navy's Fleet Air Arm, visited our school.

HMAS Albatross is the largest operational naval establishment and the Navy's only Air Station. The primary task of HMAS Albatross is to support the three Naval Air Squadrons, which provide air support to the fleet. The Navy operates 4 helicopter types, the AS350BA Squirrel Light utility helicopter, the Bell 429 Training and utility helicopter, the MRH90

Taipan Multi Role Helicopter, and the S70B-2 Seahawk Anti-submarine helicopter.



**A Navy Seahawk helicopter**

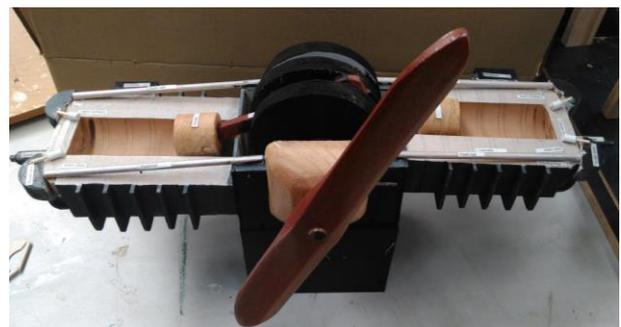
The Navy brought three helicopter simulators to Kent Street and many of our Aviation students were able to fly the various helicopters around Sydney Harbour, including under the harbour bridge and landing at the Opera House! The simulators had 3 screens giving a wrap-around view and were all in 3D, giving a very realistic experience.



**Alex Hazell of Year 12 flying the Helicopter simulator**

### **Projects**

We are now nearing the end of Term 2 and most of our lower school students have submitted their major projects for the semester. There have been some outstanding efforts in Space (Year 7), Aircraft Controls (Year 8), 50 Photos (Year 8), Aircraft Engines (Year 9) and Aircraft at War Dioramas (Year 10).



**Liam Pennell's Horizontally Opposed Piston Engine Project (Year 9)**

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A number of outstanding projects have been selected to showcase our program and the work done by our Aviation students. These projects, together with a named certificate for each item, have been placed on display in the Victoria Park library. We encourage parents to have a look at some of the projects our students have undertaken this semester. These students should be very proud of their accomplishments. We were limited by the size of the display cabinets, so unfortunately some of the larger projects, particularly the big Year 10 Aircraft at War projects, could not be exhibited despite their very high quality.



**Year 10 students Paul and Giovanni launching their balsa gliders**



**Alan Peeti's Battle of the Somme Diorama**



**Chris Sunley's Battle of Britain Diorama**



**Lachlan, Bridgette and Matthew of Year 8 with their Aircraft Flight Controls projects**

**Ben Kaiser's Year 7 "Space" project, a model of the Ariane 5 rocket on its launch pad**



## Air Experience Flights

The Air Experience flights have been very popular this year, with flights booked up for many weeks in advance. Due to the popularity of the flights, we ask that any student who is unable to make it to a flight for any reason please let Mr. Bennett or Mr. McKenzie know as early as possible so we can re-arrange bookings to fit in another student. Students and parents are also reminded that as we head into winter, some cancellations are inevitable due to weather. If that happens another flight will always be booked as soon as possible.



VH-LBI, the school's Cessna C152

For those students who have turned 15 and are keen to commence pilot training, we urge students to undertake flying training in the school's Cessna C152 VH-LBI as there are significant cost advantages in doing so. Kevin Bennett is a rated Flying Instructor and can provide flying training at a cost far less than you would pay with organizations outside of the school.

## Becoming a Pilot

There are new regulations regarding flying training. For example, the old Student Pilot's Licence no longer exists, and it is possible to go solo without any licence at all, you just have to be at least 15 years old.

The first step in becoming a pilot is to ensure you meet the required **medical standards**. These include tests for eyesight, hearing, blood pressure, an ECG and general fitness. You will require a **Class 1 Aviation Medical** for a CPL or ATPL, and a **Class 2 Medical** for RPL or PPL. For obvious reasons, it is strongly recommended that students considering a career as a pilot obtain their medical before they spend large amounts of money on their training.

The next step is to obtain your **ARN** (Aviation Reference Number) from CASA, the Civil Aviation Safety Authority. To operate at most airports you will also require an Aviation Security Identification Card, or **ASIC**. These simply involve filling in some forms, providing appropriate ID, and paying the fees. The ASIC is also required for students undertaking jump seat flights with Virgin Australia.

## Pilot Licensing

A brief overview of Pilot's Licencing requirements:

- Solo – (Doesn't require a licence, but must have an aviation medical and ARN. It normally takes about 10-15 hours flight instruction.) Minimum age 15
- Recreational Pilot's Licence – (RPL – minimum 25 hours flying training including 5 hours solo) Minimum age 16. Size limit for aircraft is 1500kg Maximum Take-off Weight
- Private Pilot's Licence – (PPL – 60-65 hours flight training) Minimum age 17
- Commercial Pilot's Licence – (CPL – 150 hours integrated flight school, 200 hours otherwise) Minimum age 18
- Airline Transport Pilots Licence – (ATPL – 1500 hours including 250 Pilot In Command) Minimum age 21

In addition to a pilot's licence, you must have the appropriate endorsements for the various types of aircraft or operations that you fly. An endorsement means you have been properly trained and are capable of operating a specific type of aircraft or item of aircraft equipment, or safely conducting that type of operation. An example of equipment requiring an endorsement is retractable undercarriage.

## Kevin Bennett and John McKenzie

### Kevin Bennett

Email: [kevin.bennett@education.wa.edu.au](mailto:kevin.bennett@education.wa.edu.au)

### John McKenzie

Email: [john.mckenzie@education.wa.edu.au](mailto:john.mckenzie@education.wa.edu.au)

Kent Street SHS  
89 Kent Street  
East Victoria Park 6101

Phone: 9262 0500  
Fax: 9470 5082