

- April 2016 -



At our April meeting, we had a great presentation from Jordan Van Wyk (right) and Max Bindas, who are completing the Air Cadet program this spring. They praised the many benefits of the program and asked for our support.

President's Message

I never thought I would get a chance to fly a Harvard! Well, the April meeting provided all of the attendees the opportunity to do so, at least in the virtual world, using the flight simulators at the Cadet Youth Development Centre. Besides the Harvard II's, there were other opportunities more benign like flying a 172 and more intriguing like flying an F35! This issue has a full description of the experience and a few photos of the event.

Thanks to Jordan Van Wyk and Max Bindas for the great presentation and making the arrangements with the program instructors for the use of the sims. I also want to thank Lee for once again providing us with great pictures and information about his latest trip to the Vancouver area and Chapter 85 in Delta, BC.

Finally, it seems like there is hope for a normal summer after we lived through the coolest spring I can remember. It really makes me think ahead to all of the KWRAA fly-ins we have planned again this year. A number of them are already confirmed, so be sure to

check the events page at the end of the newsletter or the website for more details.

The KWRAA meeting on May 9, 2016 will be interesting as we will have an ADS-B/GPS update as well as our second annual "Show and Tell", which brought out some unique ideas, devices and tools from the members last year. Don't forget to bring something that the other members would be interested in seeing and hearing about. I will send out a reminder and put the request up on the website too.

In the spirit of continuing to foster partnerships and friendships with members of other flying clubs and aviation organizations, I will mention that the night after our meeting, COPA has a presentation about using I-Pads in the cockpit. It should be a good evening too, with many of our members attending both meetings. Like RAA, COPA welcomes all visitors whether they are members or not.

2016 is going to be a great year for KWRAA!

- Dan

April Meeting Update

Every year, KWRAA votes to continue our support of the Air Cadet program at the Cadet Youth Development Centre at CYKF. Although we have always considered this donation a fair trade-off for the use of the classroom for our meetings, many of us began to wonder what these programs are and whether the donation really makes a difference.

With that in mind, we set out to arrange a presentation by one of the instructors to fill us in on the organization, the programs, and their funding structure. During our discussions, it soon became apparent that there would be a more impactful and heartfelt presentation if it were done by one or two of the cadets who had gone through the program and could

convey the experience firsthand to our group and express the need for continued support.

The task of preparing a presentation and giving it to our group was eagerly accepted by the Chief Warrant Officer, Jordan Van Wyk. Although I offered Jordan as much support as he needed to prepare things, he completed the task totally without our help, did an excellent job of ensuring all of the information we needed to hear was included, and he presented it with professionalism along with his friend, Max Bindas. Below is brief summary of the information presented and an overview of our flight sim experience.

My thanks go out on behalf of the KW chapter of RAA to Jordan and Max for a job well done!!

- Dan

Wonder what it's Like to Fly a Harvard?



KWRAA members tried their skills at flying the Harvard II on the CYDC flight simulators at CYKF

KWRAA members had a unique opportunity at the April meeting to use the flight simulators at the Cadet Youth Development Centre. Taking

off in the taildraggers, doing a few aerobatics and landing the warbirds/trainers were all risk-free opportunities on the simulators.

The controls and displays are very realistic and the inputs responsive enough to make you think you are flying the real thing. Although I personally have never flown anything bigger than a C172, I was very impressed with these Harvard flight simulators. The visual and tactile experience was enough to make your body think it was experiencing G forces as you took the plane into a steep bank, aileron roll, or loop ... it felt pretty realistic!

The sims consist of a dual screen, with the bottom screen simulating the panel, showing the basic steam gauges and a few electronic upgrades. The left joystick operated the throttle while the right gave you control of the flight control surfaces just like any other stick and rudder aircraft. It would have been nice to spend a little longer in the simulator to learn what all the other switches, controls and lights were for, but these were a delight to try out even at the most basic level.

As interesting as these are to fly alone, they are linked on the network, so formation flying is possible. We didn't get a chance to try that, but maybe we can arrange it for a future meeting.

The Leading Edge



The on-screen experience on the Harvard simulators is very realistic. The controls and gauges respond just as you would expect them to in the real thing!

Besides the Harvard II simulators, which are also programmable to dozens of other types of aircraft, there were simulators in another room for basic flight training on C152s, C172s, and a number of other small aircraft.

There was even an opportunity to try out the F35 simulator, although it was dominated by a few individuals because it was so engaging it was difficult to give up the controls! You don't just sit behind the sim on this one; you actually get into it, which makes it very realistic and immersive. Hopefully we can get a little more time on this one so that other members can get the opportunity too.



Here Roger tries his hand at flying the F35

KWRRA Donation to Air Cadet Squadron 822

On Wednesday April the 13th, it was my honour to present our annual donation of \$500 to the 822 Tudor Squadron of the Air Cadets.

Accepting on behalf of the Air Cadets was their most senior cadet, Jordan Van Wyk, who also did a presentation to KWRRA two nights prior.

Since 100% of all donated proceeds go toward the cadet programs, this money will go directly toward the provision of the quality training, discipline and life skills so characteristic of this organization. None of the support staff or instructors are paid, so this amazing youth-centred organization is operated 100% by volunteers and donations like ours!



Cadet Review on April 13, 2016

Cadet Presentation Highlights (Why the Cadets need our continued support)

Purpose of the Cadet training programs:

- To increase knowledge of aviation by providing educational programs and resources, including flight and ground crew training, guided visits to science and aviation facilities, and aviation-related awards and scholarships;
- To encourage the development of citizenship and leadership through enrichment activities such as effective speaking and music, community volunteer opportunities, and academic awards and scholarships; and
- To provide air cadet training as a means of promoting the efficiency of the armed forces.

Weeknight Activities:

- Monday Nights: Aerospace, Range, Public Speaking and Debate
- Wednesday Nights: Regular Parade
- Friday: Band and Honour Guard practice

Summer Camps:

- Power Pilot Scholarship Program
- Advanced Aerospace
- Advanced Aviation Technology – Aircraft Maintenance
- Advanced Aviation Technology – Airport Operations
- Glider Pilot Scholarship

Volunteering:

- Throughout the training year (September-June), cadets take part in various community volunteer activities. (Tournaments, festivals, Remembrance Day, poppy sales, etc.)

Our Role:

- Funding (100% goes to support programs and equipment; operated by volunteers only!)
- Time (Meet the pilot, learning about aircraft construction, etc.)
- Spend time showing a Cadet your plane. He or she could be a future RAA member!
- Air time is rare for new Cadets, but pre-approvals must be arranged due to liability issues

Note: The executive will be meeting to discuss other partnership opportunities such as a “Cadet Day” where our members would do a presentation for the Cadets, share some of our experiences and encourage further interest in aviation. (Expect to hear more details on this idea at a regular KWRAA meeting in the autumn of 2016.)

The Leading Edge

Aircraft spotted this month at CYFD and other airports close by...

I was lucky enough to catch it refuelling at Brantford and got a tour of the operation inside the aircraft.



The Ministry of Natural Resources has been using this twin Otter to do aerial drops of rabies vaccine impregnated baits for foxes, racoons and skunks to eat. For more details on the program ... <https://www.ontario.ca/page/rabies>



The baits are manually loaded on a conveyor belt and automatically dispersed as the plane flies through the control area, stretching from Mississauga to Long Point in a wide band encompassing Brantford and Waterloo Region.

The Leading Edge

What's happening in May?

Join us at **7:30 on May 9, 2016** for an ADS-B and GPS update as well as our second annual "Show and Tell". Please consider bringing something of interest to other pilots and builders. Bring a tool, a book, a story with lesson, an aircraft part, a homemade part or device, some photos, a short Power Point presentation, or anything else that other members should see or know about!

The last full presentation about ADS-B was one year ago, and a few things have changed! The last "Show and Tell" was also a year ago, so something must have happened by now that you can share! As usual there will be updates on this summer's fly-ins and a few surprises too!

Don't miss out ... put it in your calendar now... and be there!

Upcoming Events in 2016: (Highlighted lines are KWRAA Events*)

May 9	-	May Meeting at 7:30 pm in the Cadet building at CYKF
May 10	-	COPA presentation on I-Pads in the cockpit (7 pm upstairs at WWFC)
June 11	-	KWRAA Fly-In at Cam Wood's in West Montrose
June 18-19	-	Great Lakes International Airshow in St. Thomas, ON
June 24-25	-	COPA National Convention in Yarmouth, Nova Scotia
July 16	-	KWRAA Fly-In at Mike Shupe's Mount Forest, ON
July 25-31	-	Air Venture 2016 in Oshkosh Wisconsin
August 6	-	Gathering of the Classics in Edenvale, ON
August 13	-	KWRAA Fly-In at CMZ2 – Metz/MacPat Field in Arthur
August 19-21	-	UPAC Convention – Lubitz Field, Plattsville ON
August 20	-	Aviation Fun Day at Waterloo Regional Airport
August 27	-	KWRAA Fly-In at CPR3 in Teviotdale/Palmerston (Tentative)
August 31	-	Rotary Charity Airshow in Brantford, ON
Sept 3-5	-	Canadian International Air Show – CNE Grounds
September 12	-	September Meeting at 7:30 pm in the Cadet building at CYKF
September 17-18	-	Air Power Demonstration at London International Airshow
October 17	-	October Meeting at 7:30 pm in the Cadet building at CYKF
November 14	-	November Meeting at 7:30 pm in the Cadet building at CYKF
November 25 (TBA)	-	KWRAA Christmas Party in lieu of a December meeting

* KWRAA events are fly-in and/or drive-in (Please advise the host in advance if you plan to attend whenever possible.)

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Check out the KWRAA website regularly for the latest event details, chapter information and classified ads. www.KWRAA.net