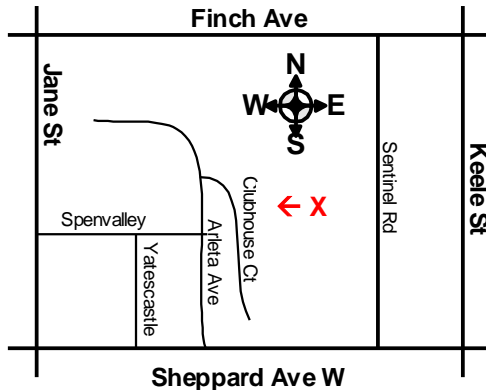




## Humber Valley Meeting Announcement

**Wed Dec 3<sup>rd</sup> 2014 @ 7:30pm**  
**Northwood Community Center**  
**New Room #10 - Basement Level**

Please note that the winter meetings are scheduled on the first Wednesday of each month from October to April. Come out to meet other members, participate in club discussions, make suggestions for next year, and enjoy a winter program of speakers, movies, special events and more. **Feel free to bring a friend.**



**Here's how to get there:** Take Sheppard Ave East of Jane or West of Keele to Arleta Ave. Turn north on Arleta to Clubhouse Court. Turn right to **#15 Clubhouse Court**. The Northwood Center is straight ahead on the left. *Note that Clubhouse Court does not meet Sheppard Ave. You have to get to it from Arleta Ave.*

## Calendar of Upcoming Events

<b>Wed Dec 3<sup>rd</sup></b>	Club Meeting <ul style="list-style-type: none"> <li>Unmanned Aerial Vehicles in Wildfires - Dr. Hugh H.T. Liu</li> <li>Renew for 2015 and save \$\$\$</li> </ul>
<b>Thu Jan 1<sup>st</sup></b>	New Year's Day Fun Fly 11am
<b>Note</b>	There is no January winter meeting other than the Jan 1 <sup>st</sup> Fun Fly – <b>** HAPPY NEW YEAR **</b>
<b>Wed Feb 4<sup>th</sup></b>	Club Meeting <ul style="list-style-type: none"> <li>Executive Elections</li> <li>Annual General Meeting (AGM)</li> </ul>
<b>Wed Mar 4<sup>th</sup></b>	Club Meeting

## Come Hungry to the Dec 3<sup>rd</sup> Meeting



There's nothing like good food to ensure a good meeting and the Humber Valley Pizza Club is still going strong due to popular demand. No time to stop in for dinner before the club meeting? No problem! Just come

to the meeting hungry. Better get there early though, before the mad rush, to make sure you get the best selection.

## Dec 3<sup>rd</sup> Meeting Program Announcement

**Topic:** Application of Autonomous Unmanned Aerial Vehicles in Wildfires

**Speaker:** Dr. Hugh H.T. Liu, Professor, University of Toronto, Institute for Aerospace Studies



Dr. Hugh H.T. Liu is an internationally leading researcher in the area of aircraft systems and control, and he leads the "Flight Systems and Control" (FSC) Research Laboratory. Dr. Liu has published over 100 technical papers in peer reviewed journals and conference proceedings, and he has received one patent (US and Canada) on his work on motion synchronization. He has significant research contributions in autonomous unmanned systems development, cooperative control, and integrated modeling and simulation. Before his academic appointment, Dr. Liu had several years' industrial experience where he participated and led development projects of aircraft environmental control systems.

Dr. Liu will talk about the Institute for Aerospace Studies and his work there using Unmanned Aerial Vehicles (UAVs) in Wildfires. This presentation covers recent research and development on autonomous UAVs with a focus is on their commercial applications. He will describe how multiple UAVs in formation flight can be used for wild fire monitoring. (Editor's Note: How cool is that?) From a technical perspective, wildfire monitoring and fighting requires near real-time information on where and how wildfires spread in order to plan and execute emergency response strategies. Satellite imaging of wildfires may have insufficient resolution to detect small-scale fires or may not deliver required real time information on the spread of fires. Fire inspection through piloted aviation may put pilots at risk, or may be limited by resources or weather conditions. With recent developments in unmanned vehicle systems (UVS) technology, researchers around the world have been exploring the use of unmanned vehicles, often including both unmanned aerial vehicles (UAVs) and ground vehicles (UGVs), to provide real-time wildfire monitoring.

## 2015 Renewal Reminder

The new 2015 membership application form is attached to this Flyer and we will have copies available at the December 3<sup>rd</sup> meeting. Please note the fee for renewals before Jan 1<sup>st</sup> is only \$75.00. What a deal! After that you will have to pay more. Fees are \$80.00 up to January 31<sup>st</sup> and \$100.00 after that. **Renew early and save!!** We have also maintained membership benefits for seniors and juniors joining under the "Family" plan. See the notes on the renewal form.



... to renew your membership today!

Make sure you have the correct amount in cash or bring a cheque to the meeting to renew. You can also mail your application form and cheque to **Bruce Gillespie** at the address noted on the form.



## Saying Goodbye to a Good Friend – Barry Collingwood

I am sorry to have to report that **Barry Collinwood** passed away on October 30 after fighting a brain tumor since March 2013. Barry was an immense force in the early years of Humber Valley and was a good friend to us all. He loved to fly and worked tirelessly to make the club better at every turn. He served as club president from 1982 to 1985. In 1976, the club was known as the Downview RC flyers and in 1976 secured permission from the Provincial government to use a small plot of land in the Greenbelt that ran just North of Steeles Ave. East of Keele Street in the middle of a corn field. When Barry joined the club in 1979, the president was Pat Knight and the Chief Flying Instructor was Eric Peckham. There were about 30 members in 1979.



**Barry with his favorite P51 Mustang**

In 2012 Barry wrote an extensive history of the club which you can find on our web site in the Library section. It should be required reading for every new member. We owe our current flying site to Barry. Here is an excerpt from this interesting 9 page history:

*While wondering around in the green belt area North of the tracks and South of Highway 7, looking for anything remotely flat and accessible, I ran across the landfill site where we now fly. There were a number of suitable locations North of the tracks as well but these locations did not have access. I checked with the Vaughn land office and found that the landfill site was under the control of the City of Toronto Parks and Recreation. It had been turned over to them for maintenance and eventual park use. Because of the methane issue it could not be formally used as a park for a number of years so was fenced and locked. One of the Club Members that I worked with at Ontario Hydro, Fred Roberts, happened to personally know the Superintendent of Parks as they were working together on a project to burn refuse to generate electricity (didn't get anywhere). Fred arranged to meet with him and described our plight. The Superintendent agreed to let us use the site and instructed the Parks Department to help us get settled in. They were quite pleased to see the site get some use. The club was renamed the Humber Valley R/C Flyers, I assumed the role of President and Chief Flying Instructor and we started developing the new site in 1982.*

We could never repay Barry for all he has done for the club. Barry even developed our current web site and online membership database which is a huge asset to the club today. He was married to his wife Joanne for over 44 years. He will be sorely missed.

## Nov 5<sup>th</sup> Meeting Program Report 250 Size Mini FPV Racing - Zoltan Pittner



We are lucky to have **Zoltan Pittner**, the chair of the FPV Committee for MAAC as an active member of our club. He did not disappoint at the November meeting and provided an interesting description with video of these new 250 size mini FPV quadcopters. And from the way we saw them bounce off trees and keep flying, they seem very sturdy indeed.

Drones are everywhere now in the news as government regulation tries to catch up to the growing interest in this area for personal and commercial use. Just yesterday there was an article in the Globe and Mail about wearable camera maker GoPro Inc. developing its own line of consumer drones. It was also reported in the Wall Street Journal. The multi-rotor helicopters, priced between \$500 and \$1,000, will go on sale late next year, the Journal said.

## MAAC Scale Aerobatic Challenge Update

On a positive note club president **Paul McMillan** is pleased to report that he has received a certificate of appreciation from MAAC for our club's participation in their Scale Aerobatic Challenge. The positive part is the \$500 cheque that came with it! WOW!! We will discuss how to use this money at the December meeting to sponsor Aerobatic events next season.



Although this was very informal and self paced many members enjoyed the exposure to Scale Aerobatics and may continue with it; perhaps even enter a contest. The Woodstock club has scheduled a one day IMAC contest for next season that could be a perfect introduction to an actual contest without the need for too distant travel and overnight hotel costs.

## Your 2014 Executive

President, Paul McMillan.....	(905) 851-7387
Past President, Pat Knight .....	(416) 225-2687
Vice President & Editor, Tom Gottlieb.....	(416) 781-3189
Treasurer, Bruce Gillespie.....	(416) 741-4385
Secretary, Danny Karaiskakis .....	(416) 356-1295
Program Director (Appointed) Peter Poli.....	(416) 722-9053
Field Officer, Ernie Dawson.....	(416) 247-7750
Chief Instructor/Safety Officer, Tony Phan ....	(416) 436-8088

## Other Appointed Positions:

Web Master, Paul McMillan.....	(905) 851-7387
Librarian, Roy Gee .....	(416) 749-8793