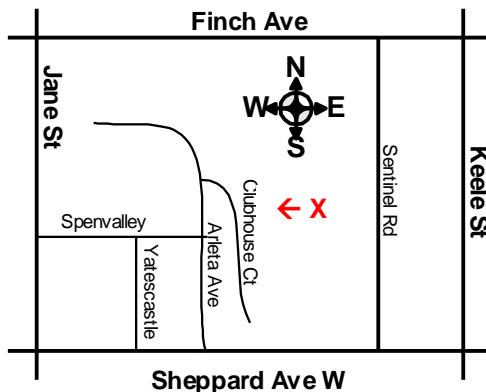




Humber Valley Meeting Announcement Wed April 6th 2016 @ 7:30pm, Northwood Community Center, Room #10 - Basement Level

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. **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 go to it from Arleta Ave.*

Calendar of Upcoming Events

Wed Apr 6 th	Final Winter Club Meeting • Special presentation on Gryos
Sun Apr 17 th	Aurora Swap Meet 10am to 2pm
Sun May 1 st	It's Spring!! Hooray!!! Go Flying!!!!
Sun May 8 th	It's Mother's Day! Buy your Mom some nice flowers. Then go flying!
Sat May 14 th	Field Cleanup Day & Season Opener
Tue May 17 th	¹ Start of student instruction program

¹ Students should check with **Tony Phan** about preparing for student nights which are Tuesday and Thursday nights starting May 17th.



Tony Phan

New Students?

Come to the April meeting and meet Chief Instructor and Safety Officer **Tony Phan** and plan to get started with our student instruction program starting May 17th.

Come Hungry to the April 6th 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.

April 6th Program Announcement - Gyros Everything you wanted to know about gyros but were afraid to ask!

... **Milton Charlton, Joe Trinidad, Zoltan Pitner**

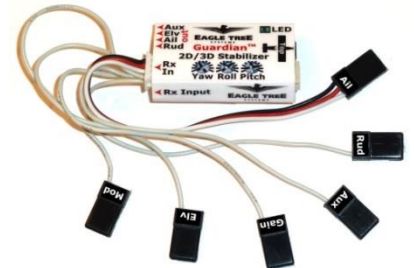
Flight stabilization technology has been around for a quite a few years but now, thanks to huge advances in electronic miniaturization and dramatically falling prices, these devices are now becoming commonplace in both beginner trainers and advanced giant scale aircraft. Maybe the tipping point was the introduction of the "SAFE" technology integrated Rx/Gryo in the E-flite Apprentice. Now beginners expect their planes should be able to figure out which way is "Up" and automatically correct to straight and level flight. Ten years ago, we would have said this was impossible in a model airplane! Now many advanced flyers are experimenting with reliable, small, low cost gyros and **Milt Charlton** will lead our workshop at the April meeting and will focus on answering all your questions including:

- What are they for?
- What do they do?
- How do they work?
- What types of gyros are available?
- Examples of entry level gyros including:
 - Lemon Rx integrated 3-axis,
 - eFlite Rx integrated 6-axis SAFE, and
 - FC-150 (HobbyKing) separate 6-axis gyros.



Joe Trinidad will discuss programmable gyros using the popular Potenza Aura-8 from Flex Innovations (www.flexinnovations.com)

Zoltan Pitner will talk about gyros for multi-rotor aircraft. Zoltan is always up on the latest FPV and multi-rotor technologies at New Generation Hobbies (www.nghobbies.com).



This will be a unique opportunity to get ahead of the pack and learn more about these amazing flight stabilization technologies.

Call for Grass Cutting Volunteers!



With spring just around the corner, it's time to sign up for summer grass cutting. We really need more volunteers this year to help John Neves take care of the field and keep it in tip top shape. This year, the club will be publishing a cutting

schedule on the forum. Depending on your available time, even just once a month would be a great help. John will be giving tractor driving lessons during field cleanup day on May 14th. See how easy and fun it is to ride the mower and help the club remain the best place to fly in the GTA. Call **John Neves** or **Val Oddo** to sign up or come to the field on May 14th to give it a try. Thanks!



March 3rd Meeting Report Show and Tell

The meeting started with Show and Tell. **Amadeusz Kazubowski-Houston** showed a Flyzone Royal Aircraft Factory S.E.5. he got free at "Slot and Wing Hobbies" in Champaign, Illinois, last spring. He added ailerons and installed flying wires between the wings, which strengthened them considerably. **Mike Gerace** showed a model of the Stephens Akro a single engine [monoplane](#) designed in the [United States](#) for aerobatic competitions. The [Extra EA-230](#) and [Extra EA-300](#) were also Akro developments with over two hundred built. The Akro was designed as a [homebuilt](#) aircraft for pilots who competed in [aerobatic](#) competitions. It was the first U.S. aircraft design to be guided by the [Aresti Catalog](#) of maneuvers for such events. Mike's model was in great condition and had not been flown.

Balancing Workshop - Props and Motors



Several members brought static balancers to demonstrate. **John Thomson** had a mini balancer that clamps onto a table edge and can be carried in a pocket. **Mike Gerace** showed a Dubro type balancer and discussed baling EDF rotors. **Joe Trinidad** brought a big prop and talked about balancing these. **Milt Charlton** brought a motor test stand he built for this workshop. It is outfitted with prop guard to demonstrate dynamic measurement of motor

and prop vibration with safety. Normally, vibration measurements would be performed on the airframe with the prop spinning but for safety reasons this demonstration required a guard around the prop. This dynamic test is intended to mimic conditions of a plane in flight. Vibration was measured with (a) an attached laser to see movement of the beam on a wall, (b) attached contact microphone the output of which was displayed and measured using "SCOPE", a free PC oscilloscope program, or a digital voltmeter and (c) an attached cell phone using vibration measurement software. Use of such a rig allows detection and reduction of motor vibration. After a motor is balanced, then a prop which has been statically balanced can be attached and dynamic balance rechecked while spinning. The use of a servo tester with digital readout to control the motor speed allows the same RPMs to be used in successive measurements for comparison of vibration levels.

Pat Knight 1939 – 2016

I regret to have to inform you that our past president, **Pat Knight** passed away in late February. He had been struggling with a number of serious health problems which he had fought off for many years. He was 77. Born in London, Ontario, Pat met his wife Gail in 1966. They were together for 5 years and were then married for the last 45 years. Pat was a devoted family man, husband, father, sibling and uncle who was loved

and admired by his whole family. He was always good at mechanics and worked initially in automotive sales in the 60's but didn't like it very much. He later got a better job working for GE in small appliance repair but after a few years, his talent



was recognized and he moved to a larger division doing major appliance repair where he worked for 30 years. Those were the days when people actually fixed things instead of throwing them away when they broke! Somewhere along the way his skill in mechanics and interest in electronics lead to a love for modeling and RC. When the family moved to Toronto, he found a home in Willowdale not far from Keith's Hobbies on Yonge Street north of Sheppard Ave. He became good friends with **Bill Bond**, who had purchased the hobby store and was Humber Valley's first president from the start of the club to 1977. Pat became

the second club president from 1977 to 1978. Pat was very active in those early days and helped the club move from the old water reservoir at Keele Street and Steeles Avenue which was shut down in 1979 due to noise complaints by a very hostile Vaughn City Council. There were only about 30 members in 1979. The largest plane was a 60 size pattern ship. Most of the members flew either pattern type planes or trainers, the Falcon 56 being the most popular. The club flourished after moving to its current location and Pat was elected to a second term as President from 1991 to 1992.

Pat was an avid builder back in the day when you only flew what you built and your ability to stay flying depended on your ingenuity and ability to repair. The Knight family owned a cottage up north and spent many, many days flying models off the lake and in the surrounding farmer's fields. At a memorial service for Pat in March, his daughter Poleen celebrated his life with many stories about how much fun it was in those days when she and her cousins would follow Pat out to the "Back 40" to watch him fly his airplanes. Pat's airshows were always a big hit with all the family.

Pat was a leader with strong opinions about what was right and what was wrong. He could be hot headed at times and would never shy away from a fight that needed to be fought. He contributed significantly to make the club what it is today. He will be sorely missed by all who knew him.

Your 2016 Executive

President, Val Oddo	(416) 566-9807
Past President, Paul McMillan.....	(905) 851-7387
Vice President & Editor, Tom Gottlieb.....	(416) 781-3189
Treasurer, Bruce Gillespie.....	(416) 741-4385
Secretary, Danny Karaiskakis	(416) 356-1295
Program Director, Milton Charlton	(416) 783-6413
Field Officer, John Neves.....	(416) 937-8579
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



Sat May 14th – Field Clean Up Day – 10am ... and Flying Season Opener!!

Mark your calendars and help the club start the spring flying season on Sat May 14th. We need your help to get the field ready for spring. We will provide the necessary gloves and garbage bags.



Please come out to help and bring your airplane to get the flying season started too.

Ask not what your club can do for you. Ask what you can do for your club!

Also as noted earlier, we are actively looking for volunteers to help with grass cutting this season. The more volunteers we have, the easier it is on everyone. It is very unfair to ask our Field Officer, **John Neves** or any other single member to do the majority of the work.



If you are not sure you would be able to do it, but might consider helping out, come out to the field on May 14th and you can give the riding mower a try with some expert training from John. It is lots of fun and will be a significant help to the club.

Aurora Swap Meet - April 17th

905 SQUADRON MODEL FLYING CLUB PRESENTS

R/C SWAPMEET '16

Great Deals on New and Used R/C Products! Great Deals from Popular Local Hobby Vendors!
Refreshments Available! Raffles for Great Prizes!

NEWMARKET RECREATION CENTRE
200 Doug Duncan Dr. Newmarket

ADMISSION:
General:\$5
Youth 13-16:\$2
Children 12 & under:FREE
Vendor Tables:\$25

Questions and Reservations:
AMAC_swapmeet@yahoo.ca
or 905-235-6637







SUNDAY, APRIL 17th
SET UP 8AM DOORS OPEN 10AM - 2PM

PAYMENTS:
Regular Attendance Pays at the Door

Vendor Payments made to:
Aurora Model Aircraft Club
525 Rourke Place
Newmarket ON
L3Y 8S9

EMT or PAYPAL also accepted at:
AMAC_swapmeet@yahoo.ca