



THE FLYPAPER

The Official Newsletter of The Radio Control Flying Club of Toronto

In This Issue

Executive Messages	1 - 5
RCFCT Swap Meet	3 - 4
Important Dates	5
UAVs	6

Upcoming RCFCT Club Meeting Dates

Friday, February, 4, 2005
 Friday, March 4, 2005
 Friday, April 8, 2005
 Friday, May 6, 2005

Meetings are held in the Cafetorium of the Alexander Mackenzie Senior Public School, 33 Heather Road, Agincourt, usually on the first Friday of each month, Oct to May (subject to change – check the Flypaper) Meetings start at 8:00 PM

For the latest club news, photos and other points of interest please check out our web site at:

www.rcfctoronto.ca

President's Message

• Paul Battenberg

Well, its that time again for me to remember what to say in this column. I used to start off with something like: The days are getting longer and some days even appear to be getting a little warmer. After a few years as Membership Officer, I am now the President again. Just what does that mean. I looked up the word *president* in the dictionary. Guess what? It says, "The person who presides over meetings."

Not a very impressive title. Anyway, I do not have any secret plan. I am not going to go off in some weird direction. I just want the club to keep running efficiently while trying to keep everyone happy. That last part is just about impossible, but if the majority of members are content, then I have done my part.

There are many members in this club, and we all have slightly different interests and concerns. Some members fly tiny little planes and others fly huge gigantic ones. Some are electric, some are glow and some are gas. We even have a few gliders. Somehow we all have to co-exist on the same field. I know it can be difficult at times, but we all have to give and take if we are to maintain the club in a favourable manner. Other clubs seem to bad-mouth us at times, but sometimes I think these other clubs are just jealous. We have one of the best fields around with 166 members last year from as far away as Bolton, Mississauga and Oshawa. We haven't had a membership drive in fifteen years, so we must be doing something right.

The new executive met recently with good results. I want to thank each of them for stepping up to the plate in order to make the 2005 season a successful one. We have a couple of new faces as well as a couple of faces who returned. Let's hope we fair better than the NHL did. We have

a great team of conscientious modelers who can keep everything on track for the upcoming season. We covered everyone's duties briefly, and I think we should have a successful (shortened) year. We firmed up dates for the two Fun Fly's that we proposed for next season as well as the Beauty Show categories and format. You can find information on these items elsewhere in the Flypaper.

You might notice that there are two non-executive positions still open, Program Director and Fun Fly Director. I'm through begging and pleading for someone to fill either of these positions. We have had trouble filling them in the past and I suspect the trend will continue in the future. I just don't want to hear any complaints about boring meetings from anyone. I know it is a tough position to fill, (I know because I did it along with President one year) and maybe we should just forget it altogether. All I can say is that if anyone has anything of interest to share with the rest of us, please, please do. It is less of a problem to run without a Fun Fly Director. We seem to all pull together at the last minute to make them a success. But, if anyone wishes to volunteer, it would be greatly appreciated. You don't have to do everything, you just have to be the organizer. Enough said for this month. Don't forget that we have a Swap Meet planned for this next meeting thanks to the efforts of past president Richard Staron. More info later in this issue.

Keep your nose up, and your wings level, Paul.

Notes From The Membership Officer

• Gord Schindler

When filling out the Application/Renewal form be sure to have the latest copy. Because of changes made last year and this, the MAAC rate and the Club dues may not be correct if the forms are not current. The current forms are available on the Club web site at www.rcfctoronto.ca or give me a call at 416-284-3966 and I will pop them into the snail mail for you. I will also have them available at the each meeting.

If communicating with me by E-mail (gords@idirect.com) it will help me if you put "RCFCT" in the "Subject" line. I filter all my E-mail and this will help me to not lose yours.

I look forward to serving you as your Membership Officer. Don't hesitate to give me a shout if you have any questions. Looking forward, as I'm sure you are, to a great season of flying. I have it on good authority that it is going to be sunny and warm every day!

2004 - 2005 RCFCT Club Executive

Executive Positions

President:	Paul Battenberg paulbat@sympatico.ca
Secretary:	John Riley jcmriley@sympatico.ca
Treasurer:	Guy O'Reilly guyoreilley@sympatico.ca
Field Officer:	Tony Camilleri acamill@rogers.com
Membership Officer:	Gord Schindler gords@idirect.com
Wings Officer:	Curt Jones

Non-Executive Positions

Editor/Publisher:	Kristopher Paule kristopher.paule@rogers.com
Fun Fly Director:	vacant
Refreshments:	Steve Horwat
Program Director:	vacant
Webmaster:	Paul Battenberg paulbat@sympatico.ca

Notes From The Treasurer

• Guy O'Reilly

The basement improvements are advancing. I will have more power plugs than I will ever need. Thanks to the help from Curt Jones, who helped me determine what I should get and where the plugs and switches should be. I fished two three-wire cables and one two-wire cable from the electrical panel to the workshop area. Of course, connections will be performed by a competent and licensed electrician for safety reasons. Three separate 15 amps circuits will supply current for lamps, vacuum cleaner, sander, scroll saw, heat gun, soldering iron, Dremel moto-tool, sealing iron, charging jacks, fan, etc., etc., etc. There will be 9 power outlets in addition to the two four-by-four electrical outlets immediately at the working table. An additional feature was the exhaust fan to get rid of those pesky fumes from I got the supplies from my local

Home Depot store for less than \$200. I know that it is the price of a nice kit, but I only had one working outlet in the whole basement and I was always working in the dark.

I am working on an entry for the "Beauty Show" because the more planes entered the more interesting the "contest" will be. I will be bringing a .15 size combat plane provided I can get around to covering it. Winning is not everything...

Club Stuff:

I will be more than happy to discuss financial situation of the club with anyone interested at the next meeting or email me at guyoreilley@sympatico.ca. See you at the swap show/meeting and because of the format, it might be impossible to do the usual draws, so sorry.

This Month In Aviation History...

March 4, 1936... The last great passenger-carrying airship, a veritable behemoth in its day, takes to the air for the first time. The German dirigible LZ 129, the Hindenburg, is powered by four 1,320-hp Daimler-Benz DB 602 diesel engines. The Hindenburg makes its first Atlantic crossing in the record time of 64 hours 53 minutes on May 6. (F&F)

March 16, 1983... A Boeing 767 lands after a nonstop flight of 5,499 miles from Lisbon, Portugal to set a distance record for a twin-jet airliner in commercial service. (Ayy)

March 25, 1926... Willie Messerschmitt, a graduate of Munich Technical High School and already an experienced designer of light aircraft and sailplanes, forms the Messerschmitt Flugzeugbau G.m.b.H. (F&F)

March 27, 1927... Young American airmail pilot Charles A. Lindbergh registers his entry in the Raymond Orteig challenge for the first man to cross the Atlantic Ocean solo. The challenge and a \$25,000 prize, has been issued in 1920, but no one has so far been successful in making the flight. (F&F)

March 8, 1917... German airship pioneer Count von Zeppelin dies. (Ayy)

Swap Meet Action

- Images and Words from Richard Staron

Hey guys, just a little reminder about the Toronto clubs annual swap meet on March 4 starting at 7 PM. We are trying to get the local clubs together in the GTA area for a bit of commarderie through selling, bartering of our stuff that we have collected over the years and need to move to make more room for more stuff. Anyway, please pass along the map provide below in the attachment to your members or post it in your newsletter.

Our first attempt at this was done last year with great success and the members feedback was positive and they stated that they would like to do this again with the local clubs.

I look forward to seeing you and your club members at our next swap meet and if your club is interested in doing the same, the Radio Control Flying Club of Toronto will be more than happy to bring our "stuff" to sell / swap or barter at your next swap meet.

I have also attached a few pics of the swap meet that we had last year.



Notes From The Field Officer

• Tony Camilleri

Thanks to the RCFCT members for electing me (by acclamation) to the Field Officer's position. I will give it my best attention.

What I understand is that the biggest responsibility of this position is the decision(s) of opening and closing the field gate for vehicle parking. It is my intention to allow parking as soon as practical this spring, with primary consideration given to potential damage to the surface of the parking areas, i.e RUTS THAT HAVE TO BE OTHERWISE REPAIRED.

EVERYONE'S COOPERATION WILL BE APPRECIATED.

As in the past several seasons this year's meticulous grass cutting crew consists of Bill Shedden, Don Gillion and Dave Parton. They are primed and can't wait for spring to get here.

Do all members realize that grass cutting is one of the two most important jobs for this club. The other is money management.

Additionally, I hope all members are aware that the club tractor spends its winter months stashed away at Paul Battenberg's estate. We should all be thankful. Next chance you get give Paul your thanks.

The tractor, having been serviced in the fall, resurfaces each spring ready to cut the field grass so we can test our flying machines.

I am not sure who performs the service and repairs but I know the club only pays for parts. I have an idea who does the work and I do not wish to skip anyone who deserves mention but we should all be aware that Grass cutting involves a lot more than just plain cutting. The tractor must be kept in perfect working order.

There will be a field clean up day sometime in early May.

One of the tasks will be to re configure the shed to it's open air Summer mode.

Any concerns about the field condition should be addressed to yours truly.

SWAP MEET INFO

• Humber Valley Swap Meet

The Humber Valley Radio Control Flyers Club will be having their annual swap meet and Museum tour. It will also be the inaugural Inter-club swap meet. Held at the Toronto Air and Space Museum at the old Downsview Military base (Sheppard & Keele area), May 3, 2005 at 7:30pm. There is a \$4.00 "charge" in the form of a donation to the Air & Space Museum (all proceeds go to the museum). There is no charge for tables, but you are asked to contact Pat Knight at paddyhn@yahoo.ca so that everyone can be accomodated.

**ANNUAL RCFCT
SWAP
MEET**

MARCH 4, 2005

**ALEXANDER MACKENZIE
SENIOR PUBLIC SCHOOL,
33 HEATHER ROAD,
AGINCOURT.**

WOM!
**The Whitby Aeromodellers
Radio Control Show and Sale**

MARCH 13, 2005
Heydenshore Pavilion
Water Street, Whitby

The show is under the auspices of the donors of grant/organization of RCFCT plans, equipment and accessories offered just as time for the flying season.

Show hours are 9 AM to 2 PM.

Close parking on the north side of the road at the show grounds. Take the Brook Street South exit off #11 (Brook Street and Brook Road) and follow it down to Heydenshore Pavilion located on the right/corner side of Water Street.

For Vendor tables contact : Marlene at (905) 623-0532

www.whitbyaeromodellers.com

Notes From The Secretary

• John Riley

Greetings everyone, and may I mention that it's a relief that, as of the last club meeting, we now have a full executive. Perhaps you've noticed the remarkable improvement in the efficiency of the entire spectrum of club affairs, operations, and affiliated business initiatives. Then again, perhaps not, I'm not sure I did.... One unsurprising thing is that everybody else on the executive has been in the club longer and has more RC modeling experience than myself – undoubtedly a good thing (as jailbird Martha might say). I might quickly add that most of the executive is also older than me too – hey, win some, lose some.

With the executive in place, I can now send in the 2005 registration of our club with MAAC, which requires a list of all the officers of the club. This occurs via our Zone Director, Harry Ells. As the contact person with MAAC, I'm your club representative, so please let me know if you have any questions

or ideas to be passed along. Actually, that's something any member can do directly; have a look at the MAAC website: www.maac.ca.

One thing I could initiate is having our Fun Flys (scheduled for June and August) listed in the MAAC magazine – does anyone think this is a good or bad idea? The only other duty for me in the near future is to file a so-called "Form 1, Ontario Corporation" with the Ministry of Consumer and Business Services. This is a sort of typically mildly annoying government form which is designed to be somewhat fancy and complicated, when the only function is to list the change in the executive.

While certainly no big deal, one wonders if our precious tax dollars couldn't be better spent on, for example, subsidizing nitromethane production to ensure low and stable glow fuel costs within reach of everyone....

Important Dates

• Club Executive

Okay folks. Mark your calendars.

SWAP MEET: March 4th, 2005

BEAUTY SHOW: May 6, 2005

JUNE FUN FLY: June 4th, 2005
(Rain Date - June 5th, 2005)

AUGUST FUN FLY: August 27th, 2005
(Rain Date - August 28th, 2005)

Notes From The Editor

• Kristopher Paule

Finally! A full issue. I'd like to extend my congratulations to the newly elected members. This is quite a full issue, with full executive member messages, a great article about UAVs, swap meet info and photos from last years meet. Take a read through. I hope you'll enjoy it.

As for me. I have yet to finish my FourStar 40. I have been browsing through some web forums (www.rcunivers.com and rccanada.ca), and have come across some interesting info regarding some easy modifications to help the FourStar fly a bit better.

As the original FourStar was designed by Bruce Tharpe and is a great flyer in it's stock form. Through many hours of browsing RCUniverse.com, I came across a few "optional" modifications to help with the aerobatic abilities of the craft. First was to chop the wings down. I clipped a full bay off each side, which will help with the roll rate, and I've also mounted micro servos in each wing half to drive the ailerons, instead of the single servo/torque rod setup. Other modifications will include increase rudder and elevator surfaces, sheeted turtledeck and a more sleek canopy. Combined with an OS 0.46 AX motor, should provide for some added enjoyment, and a "big" step up from my Sig Kadet Senior that, lets face it, has a very limited fun-factor.

Now then, enough talk. More building. Later folks!



A&J HOBBIES LTD.
24 Main St. Unionville, (Toronto, Markham)
Ontario, Canada L3R 2E4
Tel: (905)305-1479 Fax: (905)305-1480
www.ajhobby.com ajhobby@accessv.com



PINNACLE HOBBY
RC CARS, PLANES, BOATS
PLASTIC MODELS, ROCKETS
HQ. N TRAINS
OUR HOURS:
MON 10 - 6
TUE 10 - 6
WED 10 - 6
THU 10 - 8
FRI 10 - 8
SAT 10 - 6
SUN 11 - 3
Bernie, Dave, Ron
Tel: 905-471-9634
Fax: 905-471-6213
pinnacle@infinity.net



Hobbytech & Model Inc.
HOBBYTECH & MODEL INC.
Hobbytech
We Have You Covered In Hobbies
4080 Sheppard Ave. East
Unit 4, Scarborough, ON
M1S 1S9
Canada
Tel: (416) 754-1758
Fax: (416) 754-1771
E-Mail: vs3jms@ipoline.com

Unmanned Aerial Vehicles Take to The Skys

• Flypaper Staff

Until recently, aerial vehicles have always relied on a single element to being, to monitor and to complete their journeys. That element is humans. Aerial flight and travel has always needed someone to pilot, either in the craft itself, or from the ground as we RC'ers do. Until now.

Georgia Institute of Technology, in collaboration with Draper Laboratories, Vanerbilt University, Scientific Systems Company Inc., Oregon Graduate Institute, Honeywell Laboratories, and Boeing have tested a project sponsored by the U.S. Air Force Research Laboratory and DARPA (Defense Advanced Research Projects Agency) to develop a new software-enabled control (SEC) system with applications to UAVs (Unmanned Aerial Vehicles).

Traditional aircraft have always relied on a pilot, with years of training and flight experience, to react to threats, problems and environmental changes. Humans, in the grand scheme, have a limited reaction ability, so they must fly their crafts in a much more conservative manner. A UAV, especially a rotary wing UAV, has the ability to take-off, land, and navigate difficult terrain, as well as traverse restricted-size areas such

as ship decks, etc. Hovering also allows the rotary UAV's the ability to identify and inspect areas with greater accuracy and detail than a fixed-wing craft.

Georgia Tech's open control platform (OCP) software allows the UAV to adapt and reconfigure it's on-board systems autonomously in flight. This real-time software program acts similarly to a human brain as it gathers data, make computations and process large amounts of data that relates to it's environment and conditions. It allows the craft to avoid danger without exceeding critical flight parameters.

The GTMax, Georgia Tech's UAV, has shown it can learn as it flies, has the ability to reconfigure primary flight control systems, including losing the ability to change the pitch of the main rotor. The UAV is able to maneuver aggressively and automatically plan a route through obstacles using a sophisticated onboard camera, as opposed to a GPS navigation system.

For more information, visit www.isa.org

