



THE BURLINGTON RC FLYERS NEWSLETTER

Volume 20 No.3

A.M.A. Chapter 1752

MEMBERSHIP MEETING

June 10, 2003

Place: Lexington VFW HALL
2 Hayes Lane (off Woburn St) Lexington, MA
Time: 7:30 to 10PM

Raffle Prizes:
Great Planes Dazzler
Gift Certificate
Fuel

Show & Tell (bring a plane for a free raffle ticket) Coffee and donuts

Club Activities

Impromptu Combat
Sundays (9:30 to 11:30)

**Fun Fly II
July 13**

9:30am registration, 10am start

See the President's Letter

Secretary's Report for Membership Meeting held on April 8, 2003

The meeting was called to order by President Juhan Sonin. The Secretary's report was read and accepted. The treasurer reported a balance of \$1962.69 as of 3/15/03. He stated that \$425 had been contributed towards the cost of the new lawn mower, and that further donations would be welcomed. Three guests were introduced. Matt Gosline, who is building a PT40, Ricardo, and Wayne Mello who was building a LT40 and was interested in joining the club.

Old Business

There was no old business to discuss.

New Business

The coming field day and fun flies were discussed, and dates confirmed. April 13 for the field day, and May 11 and July 13 for the fun flies. Al Prudhomme talked about the high use of the trails and areas around the runways by bikers and others, resulting in serious erosion. He mentioned that the environmental police, who were readily available in the past, may no longer be so due to budget cuts. Dave Palermo suggested that putting up signs asking people to stay off the runways might help. Juhan showed a new design for the solo certificate which will be issued in future.

Show and Tell

Miguel Machado showed his airplane restrainer, made from copper pipe.

Dave Palermo showed a nice trainer model, and said that it was for sale.

Bob Brown showed how to make model plane lettering in two colors. He went over the process in detail, and showed a very nice example of his work.

Rob Catalano showed a Midwest Sequior 40 that he bought from a club member. It came with no cowl. Rob made a cowl out of the bottom of a plastic jug, and the result was very pleasing. He hopes to fly the plane soon.

Paul Chiasson showed his big highly detailed Yellow Aircraft Spitfire. which included a very realistic looking pilot. Paul demonstrated the functioning of the retract wheels. He hopes to fly the Spitfire soon.

Raffle

Ricardo Meira won a Kaos ARF model plane, Gerry Tabler won a folding chair and glow plugs, Mel Suarez won a glow plug starter, and Bruce Frederick and Larry both won fuel.

The meeting adjourned at 9 P.M.

Alfred Prudhomme Jr, Secretary.

TREASURER'S REPORT (Gil Levey)

Balance 3/15/03 \$ 1962.69

INCOME

Dues	\$ 345.00
Coffee	\$ 16.00
Raffle	\$ 139.00
Interest	\$.49
TOTAL Income	\$ 500.49

DISBURSEMENT

Donuts/Coffee	\$ 11.48
Field Day Coffee	\$ 17.77
Postage	\$ 7.40
Newsletter	\$ 10.00
Field / Grass	\$ 29.62
Raffle	\$ 190.96
Prizes	\$ 261.74
Food etc.	\$ 105.80
TOTAL Disbursements	\$ 634.77

BANK BALANCE 5/16/03 \$ 1828.41

MEMBERSHIP REPORT

John Hatfield

Membership as of 5/16/03 85 members

CALENDAR OF CLUB EVENTS 2003 Membership Meeting Date:

Sept 9 Nov 11

Club Officers

President:	Juhan Sonin
Vice Pres.	Rob Catalano
Secretary:	Al Prudhomme
Treasurer:	Gil Levey

FLIGHT INSTRUCTION

Any new member desiring to fly MUST demonstrate the ability to fly, or else take Flight instruction until such proficiency is demonstrated.

Flight Instructors

Sandy Holmes	(781) 646-2354
Bob Johnson	(781) 272-5442
Alex Lob (Helicopter)	(617) 325-7870
Juhan Sonin	(617) 504-3390
Paul Chiasson	(978) 657-0135
Teddy Wang	(781) 258-7318 cell (781) 275-4510 home
Victor Samsanov	(781) 279-0231

The President's Letter

The spring weather hasn't been ideal, often raining, cold, windy, and overcast. There was a break in the inclement weather for our first fun fly of the season in May. Thanks to all that participated and organized the event.

Impromptu combat sessions now take place Sunday mornings from 9:30-11:30am. Any plane with a wingspan under 72" is welcome to participate. We will be using a 30-40 foot streamer as the target on each plane. Note: Expect dings and even crashes; do not bring your favorite airplane.

Don Kraft, AMA VP of District I, will be attending our next meeting in June. Don visited the club several years ago and will be available to answer questions about AMA, competitions, policies, etc. He will not make a formal presentation; please come with questions!

Your planes, engines, project ideas, etc are perfect for club meeting *show and tell* sessions. Feel free to showcase your project(s): every participant receives a free raffle ticket.

The next fun fly will be on July 13, 2003. Dave P and Ricardo M will be the contest directors. Expect a brand new format and series of events. Registration will begin at 9:30am and flying will start at 10am. See you at the field,

Juhan Sonin
President, BRCF

Have you heard the term, '3D' but don't know what it is?

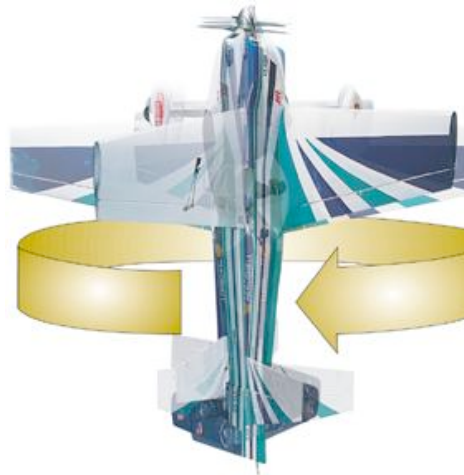
Summarized by Juhan Sonin
Images by Mike McConville

3D maneuvers have filtered into Sunday flyers' repertoire over the past several flying seasons. 3D describes unconventional aircraft movements (that are not usually done in normal flight paths) such as: hovering, harrier-esque landing - high-alpha/nose at 40-50 degrees, tumbling nose-over-tail, pin-wheeling, etc.

A few of the 3D maneuvers are:

Hovering and the Torque Roll

What is hovering: A plane hovers (aka 'hangs on it's prop') vertically in place. A plane tends to naturally roll left around its axis during a hover; this is a torque roll.



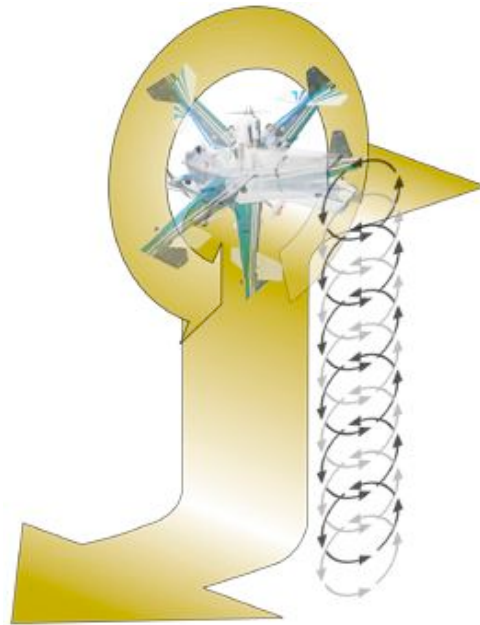
How to attempt one: At low throttle, start a slow, nose-parallel-to-the-ground pass. Slowly add power as you dial in up elevator and bring the plane vertical - nose pointing toward the sky. Increase throttle to keep the nose aimed high (and keep the airframe from falling down) and adjust pitch with elevator and rudder. As you correct the airplane and stabilize the hover, gently add a tad of left aileron to kick off the torque roll. You will always be flying the plane in a hover; gyros can help stabilize the airplane... but who wants to use gyros? The CG should be slightly aft and if you're a die-hard, one may want to add 1/2 to 3/4 degree of upthrust on your engine (this helps the airplane from pitching forward in a hover/torque roll).

Best Tips from Mike M:

- Think push the rudder toward the low wing when the belly is toward you.
- Use bursts of power along with rudder and elevator corrections – be fast with throttle adjustments

The Waterfall

What is a waterfall: A continuous nose-over-tail descending flip much like a pinwheel action. A waterfall is not a mini-loop, but the plane should flip around the CG point.



How to attempt one: At low throttle, pull up the nose just until it's vertical. As the plane is about the stall, push full down and full power simultaneously. Continue to apply full down and bring down the throttle when the nose is vertical, then apply full throttle as the nose flips to continue to waterfall. You'll need to use the rudder and ailerons to fly the plane; it will need constant adjustments from falling off the axis/straight flipping.

Remember to stay at higher altitudes when first learning. Two or three mistakes high is a good place to start (~200 ft).

You will also need lots of control surface (elevator and rudder) travel. Try for 40 degrees in both directions (for a total of 80 degrees total deflection).

What plane do I use for 3D?

Most planes cannot perform 3D tricks. You need the right airplane with aerobatic capabilities, large control surfaces and throws, and plenty of power. Here are just a few possibilities:

- Morris Hobbies profile series (25, 40, 60, +120-sizes) such as the
 - Knife
 - TopCap
 - Sudokhoi
 - and Sledge
- Hanger9 Ultra Stick series, Pizazz
- Cougar 2000 (32-40 size)
- Modeltech Magic and Extra (32-40 size)
- Most manufacturers CAP 232s, Edge 540, Extra 300L, Sukhoi SU-31
- Great Planes Dazzler, U-Can-Do 3D
- Kyosho Flip 3D

Next time: The Blender, The Wall, and stationary Inverted Flat Spins

Fun Fly I, May 11

The weather cooperated, and we had a good turn out despite the fact that it was Mother's day. Eleven flyers took part in some very close competition. There were three events.

Number of loops in 1 minute.

Landing on a designated strip, the deck of a carrier.

Slalom race around balloons on runway.

The winners were –

Loops	Dave Palermo Paul Chiasson Victor Samsonov
Carrier Landing	Miguel Machado Rob Catalano Rich Tyndall Ricardo Meira
Slalom	Robby Frederick Bruce Frederick Mel Suarez

The event overall winner was Victor Samsonov. All winners received prizes. One helicopter pilot, Richard Szostak, showed up with his helicopter. He found the carrier landing a cinch! He got a prize.

There was some interesting after the contest flying. The following provided some spectacular incidents.

Rich (2)
Miguel (Total)
Paul (Expensive)
Ricardo

Al Prudhomme provided his usual excellent Cajun style lunch. Thanks a lot Al.

An Invitation

A COURSE IN INTRODUCTORY PATTERN is being offered by the CAPE ANN R/C MODEL CLUB in West Newbury.

This course will prepare the participant to be pattern proficient at the Intermediate level by the course completion which should be approximately 6 weeks. The goal of the course is to equip the student pilots to compete in the August 25th pattern contest in Waterboro, Maine(not required).

Please see our web site for details:

www.carcmc.org

The Burlington RC Flyers Newsletter

Burlington R/C Flyers Board of Directors

President - Juhan Sonin **Vice-President** - Rob Catalano
Treasurer - Gil Levey **Secretary** - Al Prudhomme
Directors - Jack Stanley, Larry Oliver, Teddy Wang

This newsletter is published by the Burlington R/C Flyers, a non-profit club organized for the promotion of radio-controlled model aircraft building and flying. The club operates a flying field in Burlington MA and offers free instruction in safe model flying to any member.

"Academy of Model Aeronautics" (AMA) membership is a requirement.

Contact any club officer for information.

Newsletter Editor: John Hatfield (781) 862-6349

jrhatfield@compuserve.com

Webmaster: Juhan Sonin juhan@mit.edu

www.burlington-rc.com

Burlington RC Flyers Newsletter
c/o John Hatfield
1 Potter Pond
Lexington, MA 02421

FIRST CLASS MAIL

