



THE BURLINGTON RC FLYERS NEWSLETTER

Volume 20 No.5

A.M.A. Chapter 1752

MEMBERSHIP MEETING

Nov 11, 2003

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

RAFFLE

Prizes:

Phoenix Sukhoi SU-31 ARF
2 gals fuel
2 pairs DuBro skis

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

Club Activities

Holiday Fly In
Sunday December 14
9:30am start

coffee and donuts served

Secretary's Report for Membership Meeting held on September 9, 2003

The meeting was called to order by President Sonin at 7.30 pm. The Secretary's and Treasurer's reports were read and accepted. The membership as of the date of the meeting was 111. The field condition was reported to be good

The following new members were present: Jerald Blay, from Denver, who has been flying since 1990, Greg Leonelli and son, who are both still learning, and Hugh Wright, who wants to learn to fly, as does his son.

After the break, Juhan requested that all frequency channels used be recorded on the web site, and stated that it was important to post a frequency pin when flying. Gil Levey passed out AMA authorized ID tags to affix to planes. It was decided that Sept. 13 would be a Field Cleanup day, that Sept. 14 would be a Fly In day, and that Oct. 19 would be a Fun Fly day.

The following were appointed as the nominating committee for club officers for 2004: Dave Palermo, Bob Johnson, and Mel Suarez.

Next followed a lengthy debate on a proposed change to the Bylaws. It was proposed that the \$200 mentioned in Sections 2 and 3 of Article 14, and in Section 7 of Article 7, be changed to \$500. This is the amount of money that can be spent by the Board without authorization from a majority of members at a regularly scheduled meeting. First, it was decided by a vote of 24 to 4 that the meeting had the authority to change the Bylaws. The aforementioned proposal was voted on by the members, who passed it by a vote of 23 to 4.

Mel Suarez made several suggestions. They were as follows: removal of the rock from the middle of the lower runway, the construction of a seating area in the pit area, and the installation of a solar powered video field camera. The meeting decided that it was a good idea to remove the rock from the lower runway, and scheduled the task for the next Field Day. The other suggestions were considered to be impractical, and were not approved. Mel informed the meeting about a for profit enterprise that he has started in conjunction with the town of Reading to teach people to fly. He asked for the approval of the club to use our field for this purpose. It was pointed out to Mel that our club is non profit and offers free lessons to would be flyers, and that it would be inappropriate for our club to promote usage of our facilities for his purpose. He then asked if the club would have any problems with his Public Access TV program on model building and flying. Bob Johnson said that this would be useful publicity for the club, and it was the consensus of the meeting that this should not be a problem.

At Show and Tell, Bob Johnson showed his new biplane built from a kit. Bob Pawlak demonstrated the beeper that he had installed in his Kadet LT-40. Steve Stylianos showed a plane that he thought might be a Gee Bee. He asked for help in identifying the plane.

The raffle prizes were won by Bruce Frederick and Steve Stylianos (servos), Bob Pawlak and Ricardo Machado (fuel), Bob Johnson (prize), Jack Stanley (glue), Dave Palermo (plane restraint), and John Hatfield (battery).

Al Prudhomme, Secretary

TREASURER'S REPORT (Gil Levey)

Balance 8/19/03 \$ 1475.19

INCOME

Dues \$ 405.00
Raffle \$ 86.00
Interest \$.20
TOTAL Income \$ 491.20

DISBURSEMENT

Donuts/Coffee \$ 16.09
Postage \$ 14.80
Newsletter \$ 20.00
Field / Grass \$ 564.36
Raffle \$ 206.86
Fun Fly Prizes \$ 217.62
AMA labels \$ 17.00
TOTAL Disbursements \$ 1056.73

BANK BALANCE 10/22/03 \$ 909.66

MEMBERSHIP REPORT

John Hatfield

Membership as of 10/22/03 118

CALENDAR OF CLUB EVENTS

**2004 Membership Meeting Dates:
Feb 10, Apr 13, Jun 8, Sep 14, Nov 9**

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
Victor Samsanov (781) 279-0231

The President's Letter

Thank you to Jack Stanley and the Fredericks for cutting the grass this season. The field conditions have been the best in years. Credit these guys who regularly tow the tractor to the field and cut the strips. The grass has consistently been cut short and it has made taking off and landing enjoyable. Thanks again: your efforts have greatly benefited the membership.

Board member and officer elections will take place at the November meeting. Participating in our club's governance is an important aspect of membership. We're actively looking for a web master for the club's rather static website "<http://www.burlington-rc.com>". If you want to be involved with our web presence or any other position, please talk to any of the board members.

We are always looking for newsletter contributions such as personal RC stories, how-tos, etc. Your contributions would be most appreciated.

We'll be raffling a Phoenix Sukhoi ARF (40-size plane) and a few small goodies to entice folks to come to the November meeting.

Yours,
Juhan



BURLINGTON R. C. FLYERS
A. M. A. CHAPTER 1752
2004 MEMBERSHIP APPLICATION

WWW.BURLINGTON-RC.COM

[Please Print]

NAME _____ **Member No.** _____

ADDRESS _____
street city/town state zip-code

HOME PHONE () _____ **DATE OF BIRTH** _____
AMA Roster Requirement

A.M.A. Member No. _____ **VERIFIED BY** _____
Please send proof - Xerox Copy or Signed by a Club Officer or Director.

E-mail Address (optional) _____

I prefer to receive the club's newsletter: from website _____ **mailed paper copy** _____

Members who do not renew their membership by February membership meeting, are considered new mem
are required to pay required to pay the new member initiation fee plus regular
membership fee.

INITIATION FEE of \$20 dollars is required of new **Regular** and **Senior** members only, new Junior
and Family members do not have to pay an initiation fee.

ANNUAL DUES

NEW MEMBERS (Initiation Fee + Regular Fee)	\$45.00
REGULAR MEMBERS	\$25.00
JUNIOR & SENIOR (Under 19 or 62 years and over)	\$15.00
ADDITIONAL FAMILY MEMBERS (Same Address)	\$15.00

TOTAL DUES PAID _____

Make checks payable to **BURLINGTON R. C. FLYERS**

Send application form and dues to: JOHN HATFIELD phone 781-862-6349
1 Potter Pond
Lexington, MA 02421

Please notify immediately of any change of address.

I have read, understand and agree to abide by the **BURLINGTON R. C. FLYERS CLUB FIELD RULES**, (O
maintain a current A.M.A. (Academy of Model Aeronautics) membership.

Signature _____ **Date** _____

BRCF Field Rules

1. Academy of Model Aeronautics (AMA) Membership is required of all flyers.
2. You must be a club member or guest to fly at this field.
3. Guests of members are allowed one flying visit per year. Member must accompany guest while he/she is flying.
4. Flying Hours: 8:00am until dusk, seven days a week.
5. Your frequency pin must be posted on the vertical bar before flying or testing, and must be removed at the end of flight to the horizontal bar.
6. Frequency Identification is also required on antennas.
7. You may post a frequency pin for 20 minutes maximum.
8. Channels 19, 20, and 21 are NOT allowed at this field.
9. Maximum of 3 airplanes and 1 glider are allowed in the air at any one time.
10. Mufflers are required on engines above .051 cu. in., except 4-strokers. No flow-thru mufflers are allowed.
11. Taxiing in the pit area is not allowed.
12. Pilots will fly from assigned/designated pilot stations only, with 2 people maximum at a station.
13. Fly within the perimeter of the field.
14. Flying over the pit area is not allowed. Takeoffs should be made away from the pit area.
15. Hi-Starts for gliders are not to be used on or across runways.
16. Takeoffs and hand-launches are made from the runways only.
17. Low passes or aerobatics over runways are to be done with caution.
18. No free-flight or rocket flight allowed.
19. Do not turn on transmitters in the parking area.
20. Any member desiring to fly must demonstrate ability to fly, or else take flight instruction until such proficiency is demonstrated.
21. If you cause an airplane to be damaged or destroyed, you must make satisfactory restitution to its owner. Instructor responsibility is described in the Burlington R/C Flyers Student Manual. A committee made up of club and board members will arbitrate if necessary.
22. Dogs are not allowed at the field.
23. If you create trash, you take it away. Please keep the field picked up.
24. Noncompliance with Field Rules may mean suspension or expulsion by decision of the Board of Directors.
25. All aircraft will be properly restrained when the engine is running.

These Field Rules are to help club members in securing their personal safety, and to help the club in preserving the privilege of using this field. According to the AMA, VIOLATION OF THE CLUB SAFETY RULES COULD CAUSE THE LOSS OF INSURANCE PROTECTION IN THE EVENT OF AN ACCIDENT.

The club flies out of a field adjacent to Blanchard Road in Burlington MA.

Fun Fly of October 19

Despite the gloomy weather and the occasional slight drizzle, the Fun Fly held on October 19 was a big success. There were 10 -12 flyers, and perhaps 30 people in attendance altogether. Pizzas, chicken wings and sodas were provided for nourishment, and there was nothing left at the end of the day. Five events were held:

- Slalom
- Golf Ball Drop
- Limbo
- Carrier Landing
- Balloon Break

Prizes were awarded to the following:

Matt Difoe	Phoenix Giles ARF
Josh Kegan	Hi Tec Standard BB Servos
Al Prudhomme	Gallon of fuel
Ricardo Meira	T-Shirt
Dave Palermo	Knee Pads

These interesting facts have been taken from "A to Z – Radio Control Electronic Journal" by George Steiner.

To order this publication e-mail George at GSPPROD@aol.com

All recently made receivers use a superheterodyne design in which the incoming signal is converted to another frequency by mixing with the output of a local oscillator. The output of the mixer is the difference between the incoming signal and that of the local oscillator. A single conversion receiver has just one mixing stage, which means that the receiver may detect two signals at the same time when the differences between the transmitted signals and that of the local oscillator are the same – one signal being higher than that of the local oscillator and the other lower. This is the so called image problem, which is completely eliminated in the dual conversion receiver which uses 2 local oscillators and 2 mixing stages.

An FM transmitted signal consists of a synchronizing pulse followed by a sequence of pulses whose widths correspond to the positions of the control sticks. (PCM signals are very different) Basic repeat rate for this sequence is 50/sec, i.e. each control surface servo gets a new signal every 20 millisecs.

The maximum radiation from a transmitter antenna is at 55 degrees to the antenna. A minimum is when the antenna is pointed directly at the receiver. Large metal objects, such as water towers and microwave towers, can reflect signals and cause problems, so do not fly close to them.

The standard 32 inch receiver antenna works best when placed external to the model away from parallel painted or metal objects. Running the antenna inside the fuselage can be OK, but is not as good as running the antenna out of the model to the tip of the stabilizer or vertical fin. The length of the antenna can be between 28 and 38 inches without causing any problems.

The Burlington RC Flyer's 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.

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www.burlington-rc.com

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FIRST CLASS MAIL

