



The Transmitter

Suburban RC Barnstormers - P.O. Box 524, Bloomingdale, IL 60108

AMA CHAPTER 640

IMAA CHAPTER 194

December 2011

<http://www.suburbanrcbarnstormers.com>

Coming in December and January

December 19th, Christmas Meeting, Bloomingdale Public Library, 7:00pm ** NOTE DATE CHANGE! **

December 22nd, Dome Fun Fly, White Pines Golf Dome, Bensenville, 11p to 1a

December 25th, MERRY CHRISTMAS

January 1st 2012 – Frozen Finger Fun Fly, Pratt's Wayne Woods. Photo at Noon!

January 9th, Membership Meeting, Bloomingdale Public Library, 7:00pm

January 23rd, Board Meeting, Bloomingdale Public Library, 7:00pm

Merry Christmas!

Merry Christmas to all! We will be having our meeting on December 19, with the prizes for the club members. These prizes are paid for from dues and fund raisers like the swap shop. There will be a chance to pick one when your number is called.

Also, we will have tables set up for food. If you have something you would like to bring and share, please do. We'll make the coffee!

There seems to be some confusion with the passing of the bucket at the November meeting by Debbie Howe for

the Giving Tree. The Giving Tree is a nice charity that the club helps with for the community. Usually the raffle is held at the December meeting with prizes that are donated by club members. It can be anything from a switch, to an unused kit. Club money does not go into this raffle. Since the meeting was pushed back a week and donations are collected the week of December 12th the bucket was passed around.

Mike Maciejewski

President

Suburban RC Barnstormers

Notes of the Suburban RC Barnstormers Membership Meeting

November 14, 2011

ATTENDANCE

There were 40 members in attendance and two visitors. Romel Aranas said he is from Schaumburg and flies helicopters. He is just returning to the hobby.

OFFICER REPORTS

President: Mike Maciejewski presided over the meeting.

Mike reported that the meeting went well with the Forest Preserve. The results of the meeting were published in the last newsletter. We had some questions and potential changes which we forwarded to the FP personnel. We are currently waiting for a response.

Mike reminded the members that our December meeting will not be on the normal 2nd Monday, due to a conflict with another user of the Library, our meeting will be on December 19th.

Vice President: Dave West said no one won the rollover raffle last week, so you still have a chance to win the Oberlight electrics.

Dave had several door prizes including a set of skis, a \$5 gift certificate from Al's Hobbies, and a 3-cell 450ma battery from TrueRC.

Dave said that Marty Schrader would be giving a presentation of foam model construction for the entertainment portion of the meeting.

Treasurer: Bob Elsner reported on the budget.

Secretary: Scott Taylor said he had a few extra November newsletters and lots of unclaimed nametags. If you ordered a nametag and did not receive it, please contact Scott to arrange for delivery.

Scott also asked that if your email address has changed since your last application, please let him know so he can update the email list.

COMMITTEES

Safety Officer – Tom Lyons said there have been cases of pilots not announcing their take offs and landings. As a courtesy and to improve safety, please announce your intentions whether in the dome or outside.

Fun Fly – Scott Stampfli said the outdoor season was over, so nothing to report. But he is looking forward to next year and trying out the non-competitive events.

Dome Fun Fly – Ron Hilger said the next Dome Fun Fly would be a “no event” fun fly. Just come out and enjoy the flying, with prizes to be raffled. He has 10 kits to give away.

Dome eNiter – Stan Warden said that Alex and Ivan would not be able to coordinate the eNiter, so he was asking if anyone else would like to “step up to the plate”. He is currently looking for prize donations. Debbie said she would contact some of the regular Wish Tree donors to see if they could help. Stan added that we are also short a Dome Staffer, if someone would like to help.

OTHER BUSINESS

Bloomingdale Wish Tree – Debbie Howe said that due to the timing of our Christmas meeting, it was not going to be possible to hold the Wish Tree raffle at our December meeting. Instead, a bucket was passed around to collect cash. Then Debbie takes “wishes” from the Wish Tree hung by children and seniors and purchases the items to be put under the tree. Many thanks to Debbie for all the work behind this effort!

Christmas Meeting – The Christmas meeting was discussed and members were asked if they would like to continue having food at the meeting. They said they would, so if you have something to share, please bring it!

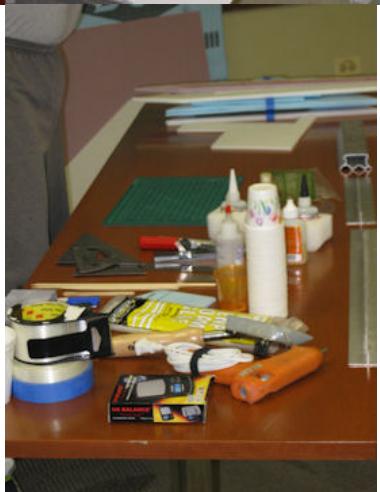
Swap Shop – Debbie Howe said she has confirmed that we have a contract at the Fairgrounds for the Easter Swap Shop. She had also followed up with the Odeum, which

did not give a price for their facility, but commented, "Wow, you are getting a great deal!"

ENTERTAINMENT

Turkey Winners - Scott Taylor distributed \$17 grocery store gift cards to the previous months turkey raffle winners. There remained three additional cards that were drawn for and given to members that were present.

Marty Schrader gave a terrific presentation on foam model construction. Included in the presentation were characteristics of different types of foam, compatibility with common adhesives and coatings, and construction techniques. This is a great head start on the indoor flying season (or a huge head start on next year outdoor flying!).



PLANES

Mike Cannata said he had picked up some plans at the last Swap for a SIG Sky Tiger 40. He decided to modify the plans to make his version a twin electric. His plane is powered by two 800 watt motors and use a 4000ma 4s LiPo battery.



John Howe brought in a Stinson Reliant (Gull Wing) kit that was ready to cover. This was a Giant Scale that he expects will weight in at about 15 pounds. He will be covering this with dressmakers silk from the sewing store, as demonstrated at one of our meetings. It makes a very realistic looking covering.



RAFFLES

Mike Maciejewski took home the skis, **John Cacciatore** claimed the \$5 Al's gift certificate, and **Tom Volpe** won the battery. There was no rollover winner and the rollover would not be held at the December meeting.

Thanksgiving E Niter Results

By Stan Warden

Bob Elsner reported we made about \$180 profit above our total costs of just over \$600. We reduced costs this season by eliminating prizes for our volunteers and eliminating pizza. Cost details were \$400 for Dome rental, about \$172 for a DX6i raffle prize, poster printing of \$4, and unreported costs for the coffee, soda and ice.

We had a total of 28 flyers: 21 paid pilots, along with 7 pilots who were also volunteers. Total income came from the raffle and from 21 pilots @ \$15 each, 4 Season Pass pilots @ \$5 each, and about 20 spectators @ \$5 each. As you can see, attendee turnout was our lowest since the first E-Niter (2005?), as was total club profit. The Dome's owner, Mike Munro refunded \$100 of our rental fee as a donation to our club, making a final profit of about \$280. The Board has suggested that we would need perhaps \$500 profit to consider continuing E-Niters in the future.

We received the following prizes to use as raffle awards: Bob Sarley donated a Big Sky simulator with controller, John Kubitz donated a brushless motor, Dave West donated a pair of How High altimeters with the optional stand-alone battery supplies, Ron Hilger solicited an Al's Hobby donation of an indoor heli and a triple-combo of battery pack/servo/brushless motor. Dan Naumowicz both donated (two 450 Li-Po batteries from TrueRC.com) and solicited (two Maxx MPI brushless motors). Our club purchased a DX6i



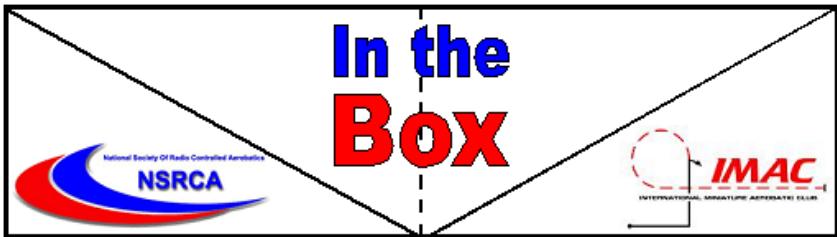
radio as the main prize for the raffle. All the above prizes were displayed as segments of the raffle awards except for the Winged Shadow prizes, which were used for the two main Combat events. Our thanks to all supporters for coming through on short notice with their donations. (Sorry if I got my award descriptions off a little or missed someone.)

Of course, we must thank the many volunteers who helped us in various ways, from those who provided service, support, advice or helped with set up or clean up. The Volunteer Sign-Up sheet shows Bob Elsner, Dave West, Jeff Peca, Mike Cannata, Keith Egging, Bill Feil, Will Cowgill, Mike Przeslickie, Tom McAvoy, Nick Chrysogelos, Eric Eder, Tom Mattick, Dan Naumowicz, and Ron Hilger.

Special thanks to Bob Sarley for the fantastic Real Flight simulator he assembled on a 6' X 8' screen, John Kubitz for running the show via the Frequency Desk, Marty Schrader for his Cat-N-Mouse techniques and training, and Scott Taylor for coming through again with his Big Caffeine Machine. Finally, my thanks to the many others I haven't mentioned that we had to lean on for support, one way or the other. Our member's turnout on the day of any of our "Event Days" is always great, which makes our own special brand of Mayhem go a lot smoother.

Stan Warden





Pattern Flying - Precision Aerobatics

Taking your passion for flying RC airplanes to the next level!

By: Bob Sarley
AMA 909308

Welcome to the forth article related to precision pattern flying. In this article we will discuss details of the second segment (highlighted Aresti diagrams 7 to 11) of the Sportsman sequence, how the maneuvers are performed and what the judges are looking for in their execution.

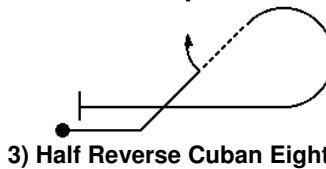
The Aresti diagrams below represent the 17 maneuvers that comprise the NSRCA Sportsman Class sequence.



1) Takeoff Sequence (K1)



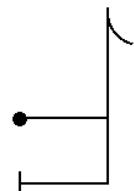
2) Straight Flight Out (K1)



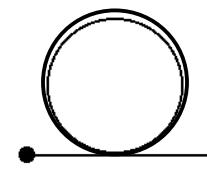
3) Half Reverse Cuban Eight (K2)



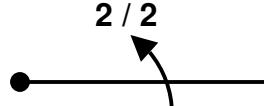
4) Straight Flight Back (K1)



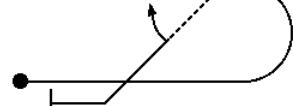
5) Stall Turn (K2)



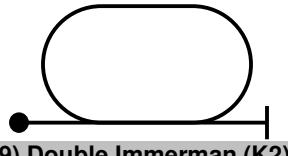
6) Two Inside Loops (K2)



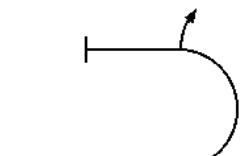
7) Two Point Roll (K2)



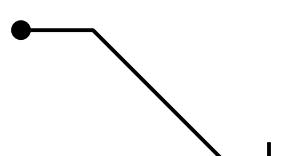
8) Half Cuban Eight (K2)



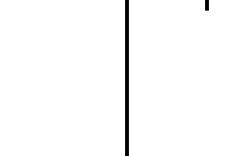
9) Double Immelman (K2)
No Rolls



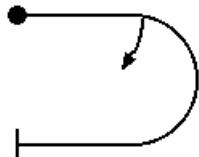
10) Immelman Turn (K2)



11) 45 Degree Downline (K1)



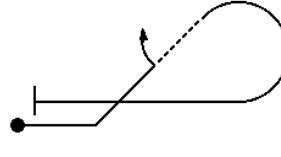
12) Vertical Upline (K2)
On Center



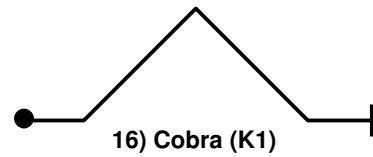
13) Split S (K2)



14) One Horizontal Roll (K1)



15) Half Reverse Cuban Eight (K2)



16) Cobra (K1)
No Rolls



17) Landing Sequence (K1)

The first segment of the Sportmans sequence is comprised of the first 6 maneuvers diagrammed above. Then there is an unscored turn-around maneuver of the pilots choice that takes place outside of the box. The second segment is comprised of the next 5 maneuvers that begins when the pilot calls "in the box" after his/her turn-around maneuver. The end of the second segment is followed by another unscored "out of the box" turn-around maneuver. This is also a logical way to break up the sequence for practicing.

The following are detailed descriptions of the maneuvers and what the judges are watching for to downgrade the pilot's score. Breaking your practice up into segments is a good idea, but remember that during competitive events the entire sequence must be performed in a constant flow of maneuvers and turn-arounds – like an aerial ballet.

7. Two Point (2/2 point) Roll (D): Model performs a one half (1/2) roll to level inverted flight, pauses, and then performs another one-half (1/2) roll in the same direction to level upright flight. Center of maneuver (show center) is the middle of inverted hesitation. Length of the inverted hesitation is not a reason for downgrade as long as it exists.

Downgrades:

- Model does not hesitate when inverted
- Roll rates not constant for both halves
- Over or under rotation of rolls. Apply "One Point per 15-Degree Rule".
- Changes in altitude
- Changes in heading (track)

8. Half Cuban Eight (T): Model executes a five eighths (5/8) inside loop to a 45 degree down line, hesitates, performs a one half (1/2) roll, hesitates, then executes a one eighth (1/8) inside loop to recover in level flight.

Downgrades:

- Loop segments not round with the same size and radius
- Model not at 45 degrees before and after prescribed roll
- Changes in heading(track) during loop segments or after prescribed roll
- Prescribed roll not on center of 45 degree line
- No hesitations before or after prescribed roll.
- Over or under rotation of roll. Apply "One Point per 15 Degree Rule".

9. Double Immelman without Rolls (U): Model pulls up into a one half (1/2) inside loop to level inverted flight, hesitates, then pulls into a second one-half (1/2) inside loop to return to the entry altitude to recover in level upright flight. The horizontal legs should be equal to the diameter of the half loops. The first one half (1/2) loop is initiated at a distance of one half (1/2) the loop diameter past the centerline (show center).

Downgrades:

- Half loops not of constant and equal radius
- Half loops not completed exactly above or below point of commencement of half loops
- Horizontal legs not equal to diameter of half loop
- Changes in heading during half loops and lines
- Entry and exit not at same altitude

10. Immelman Turn(T): The model starts the Immelmann flying straight and level, pulls up into a one half (1/2) inside loop immediately followed by a one half (1/2) roll and finishes flying straight and level exactly 180 degrees from the heading at entry.

Downgrades:

- Model not level at start or finish
- Model deviates left or right during half loop
- Half loop not completed exactly above point of commencement of half loop
- Half roll does not commence immediately after half loop
- Plane deviates from a straight line during roll
- Model does not finish in level flight
- Model heading does not finish exactly opposite the direction of entry
- Half loop not round
- Over or under rotation of roll. Apply "One Point per 15 Degree Rule".

11. 45-Degree Down Line (D): From level flight model pushes and executes a one eighth (1/8) outside loop to a 45 degree down line, hesitates, performs a one eighth (1/8) inside loop to recover in level flight. The center of this maneuver is the mid-point of the 45 degree line.

Downgrades:

- Loop segments not round or have the same radius
- Dive path (track) not 45 degrees. Apply "One Point per 15 Degree Rule".
- 45 degree line not centered
- Track changes during 45 degree line
- Changes in heading (track) during loop segments

Good flying to all . . . even if it is just at the dome or on a simulator.

The Transmitter

This newsletter is published monthly by the Suburban RC Barnstormers, Inc.

We reserve the right to edit all information forwarded to us. Permission is hereby given to reprint any article that we publish as long as proper credit is given.

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Articles must be received by the 4th Saturday of the month to be included in the following month's newsletter.

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