

ROCKY MOUNTAIN AEROMODELERS

Flying for Fame and Glory



AMA #790

THE PROBABLE CAUSE . . .

. . . CONTROLS MUST HAVE BEEN REVERSED

MINUTES OF THE FEBRUARY MEETING

VOL 3, #2, FEBRUARY 2014

Meeting date: 2/1/2014

Call to Order: 7:30PM

Officersø Reports

President: Vice-president Tony Livaudais presiding

Treasurer:

The Treasurer reported the current balance in the club treasury and the current balance of the King Soopers Gift Card reloads.

Other:

Committee Reports

Contest Committee ø Larry Fuehrer

Prizes ø this yearø prizes will be the medallion set sold by the AMA comprised of first, second and third place on a short, pin-on ribbon. Club Secretary/Treasurer will order 14 sets.

Old Business

Fox Order

All requests were turned in during the meeting. The order will be prepared and sent during the coming week.

Each person ordering will receive an email notification of their expected cost.

Lowry Wings Over the Rockies

Scheduled for February 15

Setup starts at 6:30AM, February 15

Tear Down starts at 4:00PM

Free entry for participants between 8:00AM and 10:00AM

Demo flying must be restricted to 52ø lines

Dale Johnson Construction Program

Dale wants to encourage airplane construction and technique sharing through a scheduled sequence of construction steps. To add spice participantsø efforts will be øjudgedö in some manner. Final conclusion, Dale needs to write up exactly what he has in mind for the clubø consideration.

New Business

Front Range Airport

Lynn Boss reported Ken Lawson, current director, will be leaving. Lynn assures us everything is in place for the club to continue to use the airport apron for the contest.

Carrier Deck at Mapleton

Tony Livaudais presented his refined plan for a Navy Carrier deck at Mapleton that can be set up and taken down as needed. He wants more opportunities for everyone to practice flying Carrier.

Announcements/Schedules

February Fun Fly

Lynn agreed to host a Fun Fly on February 22.

Adjournment: 8:30PM

Show and tell

Dave Rolley showed us a McCoy replica tether car. It had a dummy engine but the car was otherwise complete with differential, wheels, cast aluminum body, etc.. Dave said the tires would be different if it would actually run on a track. The conversation then went to current tether car activities of which most of us were unaware (at least me). Here is a link to a youtube video of AMRCA racing in Wantagh, NY. AMRCA stands for American Miniature Racing Car Association. Fun stuff at 200mph!!

<http://www.youtube.com/watch?v=555aeQIPprY>



Show and tell, cont'd

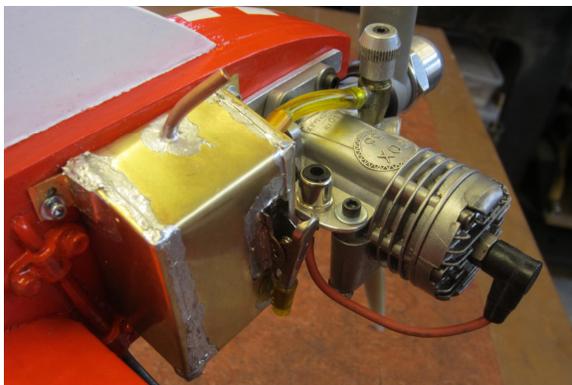
THIS GUY SEEMS TO
BE WATCHING



Tony Livaudais (me) showed off his new Fox Racer, LOKI. The design is patterned after a Lou Andrews 1948 NATS Stunt winner called Trixter. Loki is the Norse trixster god, so the name had some resonance, and is pretty catchy.

LOKI is powered by a standard stunt .35 Fox engine which was pretty fast at the contest last year until the predecessor's wing fell off and had to drop out. This year's version should be stouter.

Designing a proper tail skid went through quite a long development stage finally ending in this design utilizing a bent piece of music wire fastened with a washer and a 1/8" pop rivet. The rivet can be drilled out and the skid replaced should it wear through.



The engine is equipped with the new Fox stunt NVA which feeds from the same side as the needle and has a very grippable adjustment knob. The fuel tank is custom made (crudely) univent with alligator clip vent closure. The tank was designed with a trapezoidal cross section insuring that the vent would be at the highest part of the tank and the pickup at the lowest outside corner. The plug wire leads to a mono jack to accept the plug of the RCATS igniter system.



LOKI has yet to take to the air, so we'll see how well she performs. Stay tuned.

I really encourage you guys to submit your projects for publication. I will be happy to format what you send, so all you have to do is email it to me and I'll do the rest.

Show and tell, cont'd

Kaige Jones has come up with a competitor for the Fox Race. This is a modified version of a Super Clown.



Kaige's Fox .35 racer. It's a Super Clown without the flaps. We had to add to the wing to make up 300 plus square inches and the vertical stab is changed up a little.

The Probable Cause

Show and tell, cont'd



We made a clunk tank into a hard line uniflow setup for the hell of it. Should be a good plane for the boy to race, that's if I can get it restarted!!+

Show and tell, cont'd

Tony Livaudais showed us a flap modification to his Hellcat Navy Carrier plane.



I attached a flap about half the span of the wing centered on the fuselage. It has a wire arm linked to the hook. When the hook is deployed, the hook arm pushes down the flap, and when the hook is latched it holds the flap up against the wing.

The 1/8" tapered balsa flap is wrapped in Tyvek and 3M77 glued to the underside of the wing.

Not tested yet. Stay tuned.

UPDATE 2/13/14

The flap extension appeared to work. Bill and I flew at the Coliseum yesterday and I had the opportunity to put in a couple of flights. It will be necessary to compare times to earlier flights after I get used to the slightly different handling. As expected it floats a little more with the increased lift, but is not exhibiting any bad side effects. I might try increasing the angle of attack just a touch by re-bending the arm.

The Probable Cause

Show and tell, cont'd

Dale Johnson showed us a new engine he recently acquired.



This engine is a Fox 40 control line stunt! It has been modified by Lew Woolard. It is the plain bushing type. It is balanced and timed to run for the stunt event. Lew says Fox timed it for him at the first but when he got it he made a few changes and improved it. It is known as a 'SILVER FOXX'!

NAVY CARRIER DECK



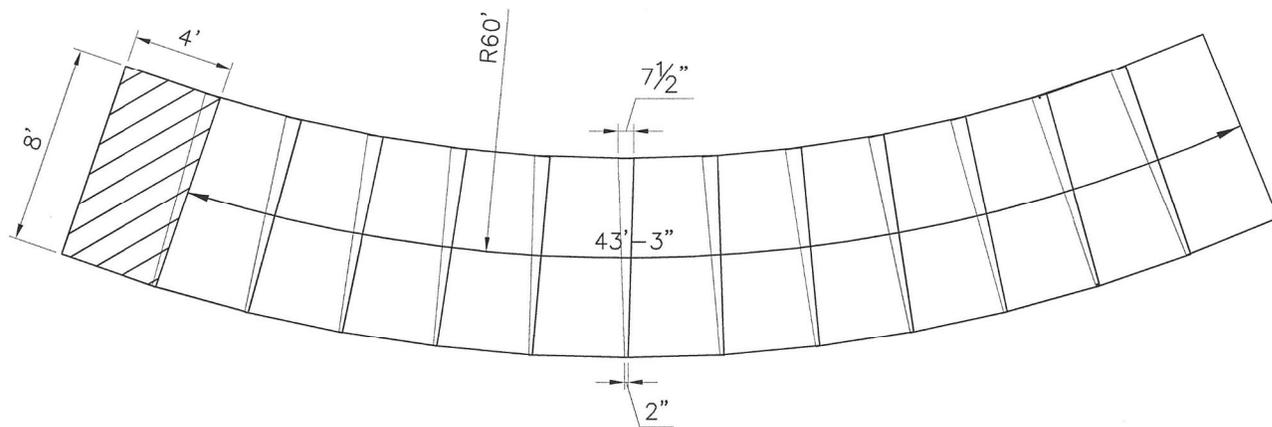
This is a photo of a model of a Navy Carrier Deck I would like to make with the club's help. The idea has evolved over time, as the best ideas do, and I feel it is about as simple, deployable, and inexpensive as we can get. Any ideas which improve on this design are more than welcome.

The design consists of (13) 4' x 8' x 15/32" (1/2") sheets of OSB roof sheathing. This material is exterior grade and can be exposed to weather for quite a while without deterioration.

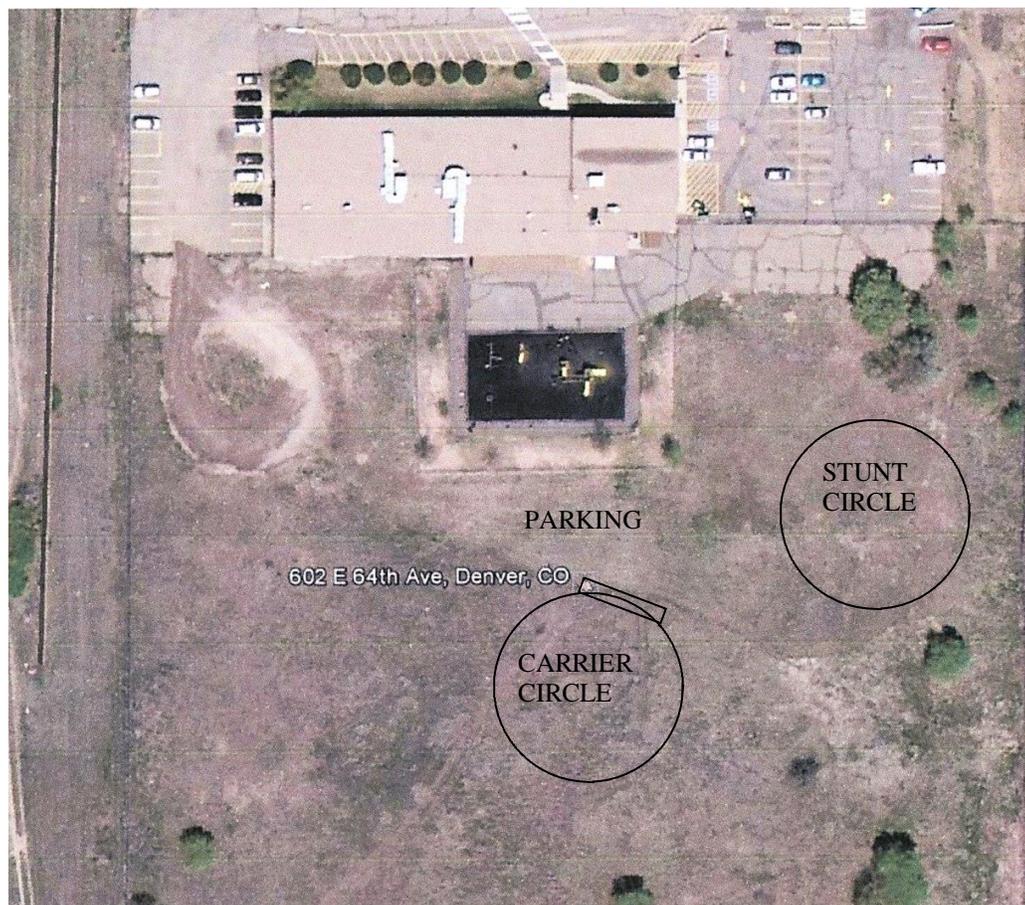
Each sheet is overlapped by the next sheet to an angled line left after spraying the exposed surface light Navy gray. The overlap eliminates the need for any cutting, and provides a convenient way to maintain the alignment. The angle will precisely radiate the sheets to a 60° radius along the centerline of the deck. The take-off sheets can be pinned to each other and to the ground with the wire staples used for landscape fabric through small holes drilled for that purpose. The landing half of the deck can be pinned using a wire pin with a loop to guide for the arresting cables. There would be a 1/2" drop at each sheet edge as the plane travels across the deck which I don't think would be noticeable at all. The OSB is available at Home Depot for \$11.43 per sheet plus tax.

I will dedicate my trailer to the transport and storage of the deck to Mapleton, and after the deck is laid out, the trailer serves as a great table and support for the wind sock mast. At least two club members have bags and ropes, and we can make more if necessary. This deck would be used at Mapleton or any other grass field. We can rely on the chalk lines for the Coliseum.

NAVY CARRIER DECK, cont'd



NAVY CARRIER DECK
NTS



WHERE THE DECK COULD BE PLACED AT MAPLETON FIELD

RMA ANNUAL CONTEST SCHEDULE

Saturday Events

Registration desk opens at 8:30 till 12:00

All events start at 9:00 or at a designated time and will fly until all contestants have flown for the days events.

Speed

All speed events combined (record ratio)

To include: Perky
0.049
Vintage
northwest B Proto

Stunt

Old Time
Classic
Profile

Racing

Heat races are Saturday only with the main races on Sunday. except 15 scale race

1st Class one mouse
2nd 160 lap race 15 scale race
3rd Fox race

Balloon Pop

Day and time will be determined at a Club meeting or prior to the contest.

Sunday events

Registration desk opens at 8:30 till 12:00

All events start at 9:00 or at a designated time and the contest will close at 3:00 with awards presentation at 4:00

Speed

All speed events combined (record ratio)

To include: Perky
0.049
Vintage
northwestB Proto

Stunt

Beginner
Intermediate
Advanced
Expert

Racing

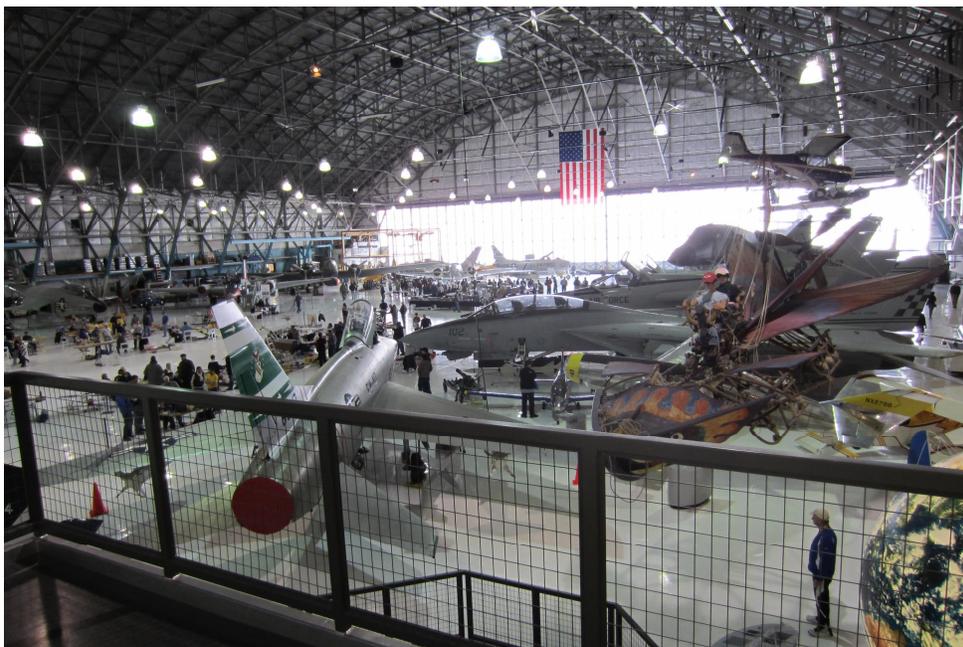
Semi-finals and finals. Semi-finals first with the winner moving onto the finals.

1st: mouse semi at 9:00 and the main will follow immediately.

2nd: Fox race semi with main following.

WINGS OVER THE ROCKIES SHOW

Well a good time was had by all that chose to show up. Over 1200 folks attended the show not including the club members. Over 20 clubs were represented with a wide variety of aircraft. There were tons of RC planes, indoor freeflight rubber powered craft flying overhead, demonstrations of 3D ships, vendors, model making instructors, a food concession, plus all the museum exhibits and displays including full size combat fighters, gliders, and aircraft of all types. Tons of families with kids, and many who had just seen the ad in the Denver Post that morning. I'm looking forward to next year. Here's a couple of scenes for those that missed it.



The Probable Cause

FUEL SOURCE

RICH JONES HAS BEEN USING CUSTOM BLENDED FUELS FROM MAGNUM FUELS, LOCATED AT:

Magnum Fuels 1400 W. 70TH Ave, Denver, CO 80221
Phone 303.430.8828

CHECK OUT THEIR WEBSITE AT:

<http://www.magnumfuels.com/>



02-2013