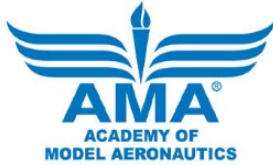


THE CARRIER WAVE



PHANTOM FLYERS R/C CLUB



AMA #393 SAINT CHARLES, MO

February 2025

Phantom Flyers R/C Club Newsletter

<http://phantomflyersrc.com/>

CLUB OFFICERS

Contact Number

President – Ed White	(636) 219-2255
Vice President – Jan Jansen	(314) 285-4286
Secretary – William Reape	(314) 568-0555
Treasurer – Jose' Espinosa	(636) 947-6067
Safety Officer – Larry Anderson	(636) 233-3086
Field Manager – Don Grzina	(636) 233-0193
Chief Flight Instructor – Ed White	(636) 219-2255
Event Coordinator – Dan Abel	(314) 707-0138
GSLMA Representative – Harold Weaver	(636) 346-4761

Send Membership Renewals with Check made out to Phantom Flyers R/C Club

**William Reape
234 Kildare Court
O'Fallon, MO 63366**

Board of Directors:

Work

Home

Ed White	Finally Retired	(636) 219-2255
Mitch Galatioto	Glad to be Retired	(636) 734-6322
Dan Sundman	Not Retired	(314) 749-4029
Captain Jan Jansen	Recently Retired	(314) 285-4286

Club Officer Messages

Club President – Ed White:

I have removed the option to download a paper membership application from the website (select Membership from the home page). Paper can still be had by request. The preferred way of submitting membership information is using the online form.

I am requesting that every member in the club use that method sometime during the month of February. Even if you are already renewed.

This also gives us a more comprehensive check of the online form and a cross-check on our membership roster that we are required to submit to the AMA in March.

The primary reason that we are requesting this is that under the terms of our FAA Airspace Authorization we are required to maintain a list of users of the airspace and their FAA Registration numbers. We have not previously requested this information but no doubt we should have done so last year.

Thanks in advance - Ed

Carrier Wave Editor – Mitch Galatioto:

Articles, pictures, items for sale for publishing in the Carrier Wave are always appreciated. Let me know what you are building, repairing, flying or selling!

For previous issues of the Carrier Wave, mowing schedule, event calendar and club roster/contact information (handy for mowing), see below link.

- <http://phantomflyersrc.com/>
- <https://www.facebook.com/Phantom-Flyers-RC-Club-139791882811519/>

FAA links; please make sure you are compliant (See Club President's note above):

- https://www.faa.gov/uas/recreational_fliers/knowledge_test_updates/
- <https://dronetrust.com/faa-trust/>

Club Events

Club Meeting: The next club meeting is scheduled for 17 February. Look for an e-mail with the log in information and please attend if you can.

Glider Contests: 2M Glider Contests begin soon, so get your glider ready and come out and fly! As you can see from the photo below, the contests are pretty relaxed and a lot of fun. No skill is required, I know this, because I have flown in multiple events!



2M Glider Rules:

Maximum 2m wingspan. Rudder and elevator controls only-No ailerons, flaps, or spoilers. If the airplane has a speed brake/spoilers, they are not to be used in the contest. Vee tail is allowed. A vario is allowed.

Primary wood construction airframe (as in Vista), or foam airplane (as in Radian). No primary carbon or other composites structures. A composite boom glider cannot fly in the event. Composite reinforced structure such as fiberglass skinned fuselage over wood and wood spar strengthened by carbon fibers is allowed.

Club to provide hi-start. Hi-start tension will be limited as set by the CD. Launch direction to be chosen by CD. Simple hooks for hi-start. No loitering on the hi-start.

Electrics must be altitude limited with automatic motor cutoff set at 100m. This can be accomplished with devices such as the Soaring Circuits CAM or equivalent systems (such as a programmed computer transmitter getting data from an onboard altimeter/vario). Electrics to launch in the same direction as the hi-start.

Landing coral will be used. No lawn-dart landings.

Flight duration is 7 minutes (can be adjusted based on conditions if CD chooses). Other details provided at the contest.

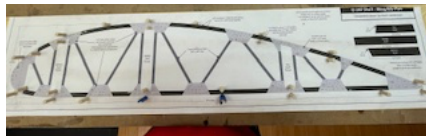
If you have any questions, please contact Larry Anderson or Jan Jansen. Their contact information is on the first page of this newsletter.

Club Projects

Mitch's O-38F Wall Shelves:

This month's project began on a California bound plane heading for a business meeting (thank goodness I don't do that work thing anymore!). I was reading the July 2017 edition of Model Aviation and found an article on how to build wall shelves shaped like O-38F airplane ribs and thought to myself, "I need to build these"! I tore out the article and filed it for over 7 years.

Last fall I pulled out the article and enlisted club member Gary Alexander to assist with making the printed plans a reality. We started by downloading the plans and creating a full-size copy at a place in Washington, MO. Once we had that, we glued the template to a board and drilled holes for dowels that help create the rib shape.



The rib top and bottom is 3/8"x3/8" material. To assist with the bends around the curvature, we cut 3/8"x1/8" strips and laminated the 3 together on the template. The 3/8"x3/8" cross bracing was added cutting and sanding each to shape with a bandsaw and disc and belt sander. After all that dried, the leading edge was added.



Next doublers are added which serve multiple purposes. First to reflect the original design, second to add structural integrity, but most importantly, to cover up any bad joints! I mean, that's what I heard, there are none in mine, of course.

In the rib design the doublers are riveted on, so holes are drilled and decorative nails were cut off and glued in place to represent the rivet heads. We built 3 sets of shelves. On my two sets of ribs, I cut and installed 1068 nails! Painstaking, but they really added to the rib look.

The shelves can be made to whatever length you need for the wall space you have. Gary did 3' shelves so only 2 ribs were required. My shelves were almost 5', so I used 3 ribs. The front edge of each shelf is beveled to match the rib camber.

We added hanging holes and the back of each rib, stained the shelves and ribs and the result is below.



This was a fun project and certainly makes a statement on any wall. If you are interested, you can go to the Model Aviation website and download the plans (<https://www.modelaviation.com/o-38f-wall-shelf>). I am not sure, but I think it is OK to start the project immediately, no need to wait 7 years!

Special thanks to Gary Alexander for all his help with this project. Without his able assistance, woodworking skills and tremendous coaching and mentoring these plans would still be filed.

Happy building - Mitch Galatioto

Jan's Pattern Airplane, Nuance, Repair:

It has been about two years (or is that three?) since I last worked on this repair. Time to finish it.

To why the repairs are required in the first place:

I purchased the plane from Evan Krause, a Chicago pilot, in 2018. Not a perfect plane but in good shape. The same year, the morning of the day of our Pattern contest I got myself distracted when I put the plane together. I did not hook up the aileron servo leads. That was not my worst sin. My worst sin was getting rushed for a pre-contest practice flight and not checking if all controls were working properly. I realized only after taking off that I had no aileron controls. The flight did not last long as the airplane rolled to a knife-edge and stayed there. Rudder only could not bring the airplane level. Realizing this would not end well, I throttled down. The airplane hit the grass wingtip first. The thin-walled fuselage monocoque structure was shredded.

The repair, so far, photo story:

I did not take all that many pictures, but I think the following tells the story so far.



Photo 1: Fuselage side balsa core damage. This fuselage side skin is a sandwich structure with an outer fiberglass skin, a balsa core and a thin inner skin.



Photo 2: Left skin damage and right damage core removed.



Photo 3: Removing damaged core and inner skin. Note the original epoxy filled core holes.



Photo 4: Minimum of damaged core and inner skin removed.

I do not have a photo of adding fiberglass and epoxy to the inside of the outer skin with a new core. I used a plywood panel on the outside and weights on the inside during curing.

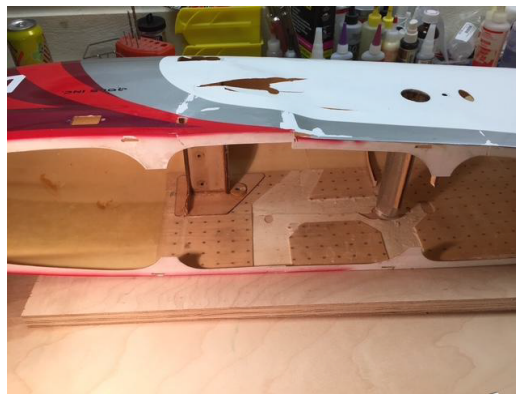


Photo 5: Left side damaged core removed.



Photo 6: Repair of left skin complete.



Photo 7: Bottom of fuselage fiberglass repair.



Photo 8: Looking aft inside the fuselage. More core repair and partial former repair. This was hard to reach!



Photo 9: Canopy sill parts ready. The airplane did not have these originally, but with the monocoque damage these are needed for stiffness and to straighten the sides.

More on the progress in later editions. – Jan Jansen

Meeting Minutes

Phantom Flyers R/C Club Meeting Minutes – 20 January 2024

Attendees: 8 club members were in attendance; meeting called to order at 7:00 pm. Members were, Ed White, Bill Reape, Harold Weaver. Dan Abel, Don Grzina, Mitch Galatioto, Jose Espinosa, Jim West.

New Members: None

Technical Session: Decathlon of RC. Ed White will send out information that he has now to the club for comments.

Secretary's Report: There was an error in the minutes of the November meeting. Dan Sundman was re-elected for another term on the club Board of Directors, Don Grzina was not on the slate. The revised minutes were sent out for the November meeting. There was a motion by Mitch G and seconded by Jose E. The minutes were approved.

Treasurer's report: Most of the members have paid and all have been deposited. The total membership is 48. Ed and Jose are going to be making a budget. Don G. made a motion to approve the report, Dan A. seconded. All approved.

Safety Report. No reported incidents.

Field Managers Report: Ed spent \$305.71 (on my personal credit card) for transport of the roller from the Saint's old field. And would request club reimbursement. Discussion was made that \$250.00 was budgeted for rolling last year and not used.

Motion was made to reimburse Ed for the \$305.00 that was used to move the roller from the Saints field by Mitch G. and seconded by Don G. All approved.

The transfer of the mower and roller from the Saint's and the transfer of the smaller Exmark mower to Wright Flyers is complete. Don G. said the new mower still needs to be insured. Ed said the serial numbers are needed to complete the paperwork.

GSLMA Report: Harold reported the club members had a zoom meeting and discussed collecting some dues in 2025.

Activities Report:

We had the annual party at JJ's in O'Fallon and had a great turnout of 25 people. Ed said, thanks to everyone that came.

Dan reported that the 2 meter contest on the first Sunday are set. Snow fly was well attended. And some planes flew on Jan first 2025. A bit windy for some of the pilots. Ed White was sick and missed the Jan 1 Snow Fly. Ed thanked Jan for being there as VP. September 27,2025 is set for the Pattern contest, and looking for a person to do the Open House possibly in May, a coordinator is needed.

Old Business: We closed out the sale of Brian Kretchmar's RC collection. About 85% of sales were to club members. We (Ed White personal check) paid the family \$700 as a down payment when we took the stuff. Sales totaled \$3621. \$1145 was paid by checks made out to the club. They have been deposited in the club bank account. \$660 was paid to Ed White via PayPal. \$1816.00 was paid in cash. We sold almost all and Ed informed the Brian's family. Their response was that they wished to donate the entire \$2921.00 to the club in Brian's name. Ed was reimbursed for the \$700 check from the \$660 PayPal payments + 40 cash. The remaining \$1776 cash was deposited on Jan 13 and all those funds (\$1145 + \$1776) are now in the club account. The total donation to the club is \$2921 in the name of Brian Kretchmar. Our great thanks to the family, and to Mitch and his family for a very big accomplishment.

New Business: Mitch is going to do an audit of the club account. Then submit the findings to Ed. Ed mentioned that the addition of new members we should make a list of members with a picture attached as a way to distinguish who are paid members of the club. Harold reported his friend Frank Iselman passed away and his wife said she may be contacting the club to help with the models he has.

Harold also shared his story of flying a e-flight 1.2 meter slow stick at a club in Foley Alabama last month. After flying in windy conditions it went too far downwind and was lost. Fortunately, a club member who was there found the plane. Some damage but repairable.

Meeting adjourned at 8:12 pm

Respectfully submitted, Bill Reape



Quote of the month:

Ask not what the club can do for you, but what you can do for the club!

This sounds very familiar.....All help is appreciated.