THE CANALESTEE CANALES





ama (#393) Saling Charles, (mo

December 2021

Newsletter of the Phantom Flyers R/C Club	http://phantomflyersrc.com	
CLUB OFFICERS	Contact Number	
President - Bill Ahrens	(314) 913-3819	
Vice President - Dan Dierking	(314) 406-4949	
Secretary - Ed White	(636) 219-2255	
Treasure - Jose' Espinosa	(636) 947-6067	
Safety Officer - Dave Evans	(636) 448-4800	
Field Manager - Don Grzina	(636) 233-0193	
Chief Flight Instructor - TBD		
Activities Chairperson - Ed White		

Send Membership Renewals to:

Ed White

10 Wolf Ridge Ct

St Charles, MO 63303

Board of Directors:	Work	Home
Ed White	Retired (B+)	(636) 219-2255
Dan Sundman	(314) 749-4029	(314) 749-4029
Mitch Galatioto	Retired (B+)	(636) 734-6322
Dave Evans	Retired	(636) 448-4800

Minutes of the Phantom Flyers RC Club meeting on 15 November 2021

The November club meeting was held via Zoom and opened at 7:00 PM. Secretary Ed White chaired the meeting. Seven club members were present.

Tech Session: Dan Abel presented his suggestions for a couple new ideas to increase interest and participation in the club and club meetings. One suggestion is for a two-minute tip where a club member would present a tip on some subject and limit the tip to two minutes. Anyone can send an email to 2_minute_tip@phantomflyersrc.com to either offer to present a tip or request a subject for a future tip.

Secretary's Report - A motion was made and passed to accept the minutes of the October meeting as published in the November Carrier Wave.

Treasurer's Report - The club is still solvent. The full Treasurer's report is available to any club member upon request. Membership renewals are due now. Please get them in.

Safety Officer's Report - Safety Officer Dave Evans could not attend. No safety issues were raised.

Field Manager's Report - The grass has (probably) quit growing. A small committee was formed to look at options for a new mower. Nothing has been identified yet that is suitable and affordable. We discussed about sealing of the runway repairs we did last spring. If we have some windy warm days. Don will put out note if weather will be suitable for sealing the repairs before winter.

Activities Chair Report - We have no more events for the year and currently no Christmas party is planned. The next event will be the traditional New Year's Day Snow Fly.

GSLMA Report - Lot of activity from rocket club. Control line area would like to have a charging stand. \$35 dues for next year.

Old Business

Officer Elections for 2022. Nominations were closed. The officers for 2022 are: President, Dan Dierking; VP, Don Grzina; Secretary, Ed White; Treasurer, Jose Espinosa. Other offices are appointed by the President. If you want to help out, please let Dan know.

FAA Safety Review Management Panel (SRMP). if you have not done so, please respond confirming whether you have or have not taken the TRUST test and have a current registration and have put your registration numbers on all planes before you fly them. The meeting had been planned for December 1 and 2. The FAA needed to reschedule due to availability of critical people. The review is now scheduled for Jan 4 and 5.

New Business - Nothing raised

The meeting was adjourned at 7:40 PM.

Ed White Secretary

https://www.faa.gov/uas/recreational_fliers/knowledge_test_updates/

https://dronetrust.com/faa-trust/

2M Acuity Wing - Fuselage Alignment December 2021 Tech Session

Don Grzina

A dead stick (attempted) landing resulted in serious damage to the fuselage of my 2M AJ Aircraft Acuity pattern plane. The wing tube sleeve locating internal structure and side panels were destroyed. Fortunately, the wings survived with minimal damage. Covid pandemic supplier issues left me with little choice but to try to repair the damaged fuselage.

The wing tube sleeve location on the left side was gone, but still intact on the right-hand side. The first hurtle was to determine how to relocate the sleeve on the left side. I made a



transfer template from ½" MDF panel with a close tolerance hole to match the wing tube. Basswood strips were glued to register the panel relative to the canopy sill, as shown in the photo below. Matching basswood strips were then glued on the opposite surface (near side in photo), even with the initial canopy sill registration strips.



The transfer template was then used to rough in new interior structure to the left-side fuselage with the wing tube sleeve in approximately the correct location. Plywood rings were fabricated with close tolerance holes to the wing tube sleeve outer diameter, and the left structure hole opened slightly to allow

refinement of that side of the sleeve. Other damaged internal structure was either repaired or replaced as needed.





The next task was to assure the wing tube was aligned to the rest of the aircraft. A self-leveling cross projection laser on a camera tripod provided my reference for fuselage setup. The plane was fixed to a building jig and shimmed to bring the vertical fin hinge line to match the laser vertical reference, and cross-checked the horizontal stabilizer tube to the horizontal laser reference. I made aluminum inserts for the wing and stab tubes to improve positioning relative to the laser reference lines. Craft plywood panels with close tolerance holes to the wing tube rested on vertical stanchions fixed to the build jig, fixing the wing tube to remain level to the horizontal laser line but free to move fore and aft. The digital inclinometer I use for setting incidence confirmed the tube was level when positioned to comply with the horizontal laser line. The last condition was to set the wing tube square to the fuselage center-line. A wire cable with ball end was bolted to the tail wheel mount, and a sliding pointer fabricated to mark distance along the wire. The wing tube was centered to the fuselage, measuring equally left and right from the fuselage side to the wing tube end within 1/64". The distance to the right tube insert was marked with the sliding cable pointer, then the distance on the left was compared. Adjustment of the left wing tube end fore or aft as needed to remove half the difference (visually). Any adjustment on the left changed the distance on the right (the tube was pivoting about the right-side fuselage), so multiple iterations of the measuring process were required before equal distances were obtained. Equal

distances from the fixed point on the aft fuselage centerline assured the tube was square to the aircraft center-line. The wing tube plywood supports were clamped to the stanchions to maintain the tube's position. Wing tube level was check to the laser reference. When all conditions were satisfied, the wing tube sleeve was epoxied in place with the close tolerance ply rings.

At this point, for better or worse, the wing was fixed. Remaining repairs to the fuselage were completed. Wing incidence was reestablished to AJ Aircraft specs. Four clicks of right aileron trim

were removed from the transmitter prior to post-repair first flight. Only two clicks of right aileron trim were required during the first flight. I call that a win!

FLASHBACK!

Phantom Flyers E-Fly 2003 through 2007(photos from RcGroups)









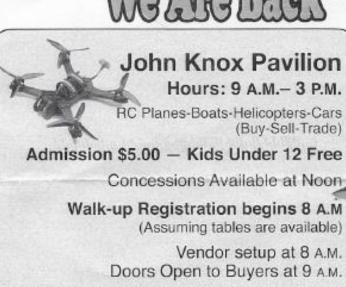








Manage Saturday, February 5, 2022



and will be secure over night

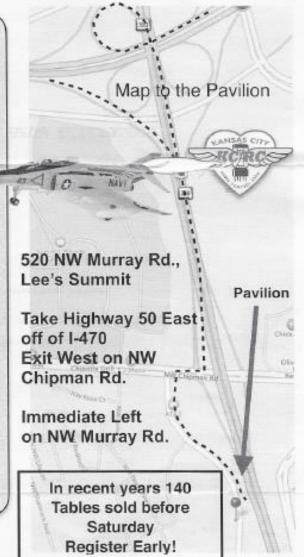
Mail Registration Form and Fee to:

Pavilion will be open for setup from 5-7 P.M.

Please Consider Friday Evening Setup

Duane Hulen
KCRC Swap 'N' Shop
1020 SE 11th
Lee's Summit, MO 64081
Pre-Registration is Recommended
Tables sell out fast!
Questions? Call Duane at
816.516.4526 or email
drhulen@sbcglobal.net

Write on this form when you return it if you have a preferred location for your table(s)!



NameNSAS C/>			
Address	Tables Wanted	#	Price
City/State/Zip	8 Foot Table		\$25.00
Phone	Additional Vendor Admission		\$5.00

Registration Form

Limited Floor Space for large models, first come, first serve. 2 table purchases required for floor space.

Last date for Pre-Registration-Jan 24, 2022
All table locations will be assigned by KCRC
One Vendor Admission for each 8' table

Vendor	1.	2.	
Badges	3.	4	
70	5.	6.	

Midgraph 10/30/2019

Phantom Flyers RC CLUB

(Be sure to explore our website: phantomflyersrc.com)

Dependents Regular Family (IRS Dependents Non-Participant (Non fly Anonymous Donations V	ing) \$15/year x yr(s) = Welcome	Note: All new applications received after 1 July of this year will receive next year's dues free
(Late fee required if membe	er has not paid by 31 Dec)	Note: A characteria to
	Total Amount Due =	Make checks payable to: Phantom Flyers RC Club, Inc.
	Eligible Member	Additional Family Member
Member Name (/Nickname) AMA Number Primary Phone (home/cell) Secondary Phone (work/cell)		
Street		
City, State, Zip		
Spouse's Name		
Primary E-Mail Address		
Can Mow Flying Field? (Yes/No)	
My signature below signifies	that:	
I understand that my participa	ation in this activity is purely v	rs RC Safety and Field Use Rules. roluntary and I agree to hold Phantom Flyers es including death, which I might sustain while
Signature:		Date:
	bmit form and membersh Ed White 10 Wolf Ridge Ct. St Charles, MO 63303 nd S.A.S.E. if you want your men	
or Club Administrative Use	Dues Received	Current AMA Received/Shown
Only	Date	Date



http://phantomflyersrc.com/

https://www.facebook.com/Phantom-Flyers-RC-Club-139791882811519/

Check there for the back issues of the Carrier Wave Newsletter, mowing schedule, event calendar and club roster/contact information (handy for mowing).

Articles, pictures and tech notes for publishing in the Carrier Wave are always appreciated. Let us know what you are building, repairing or flying!

Send them to:

kevcox@charter.net