



HANGAR TALK

THE OFFICIAL NEWSLETTER OF THE MINIATURE AERO SPORTSTERS

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This issue is dedicated to our friend Larry Litsey.
Rest in peace friend.

- HT Editor



HOT ITEMS:

- Next club meeting is Aug 27th, 9:00 am at the field.
- Remembering LL, "Top" - page 7
- Avoiding Crashes- page 4
- Monster Cub- page 9



FROM THE PRESIDENT...

By Mike Feitinger, MAS President



Well, here we are in August already.... Boy the summer goes by fast!

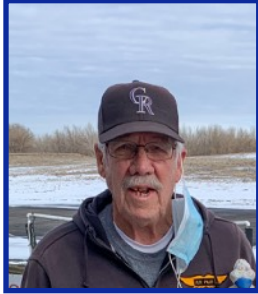
As you may have heard, we lost a leader of our club recently. Board member and former club president Larry Litsey passed away at his home. He will be greatly missed.

Unfortunately this will become an increasingly common thing in our club as time goes on. Our membership as a whole is getting up there in age and more of our key members will no longer be able to help out. We need others to step up and fill those positions to help keep the club functioning and the flying field open. We cannot continue to lean on the same core group of elder members to volunteer and keep the club going.

Volunteering for one of our leadership positions is not that big of a commitment, it's really what you make of it. A small amount of your time can go a long ways towards keeping the club alive!

Happy Flying!

A handwritten signature in black ink that reads "Mike". The signature is stylized and cursive.



-THE TREASURER'S REPORT-

By Bill Howlin, MAS Treasurer



All bills are up to date and accounts are in good standing.

PLEASE, do *not* share the gate code!! Our insurance will not cover non-members using the field that are not a guest of an active member.

Please lock the building and gate if you are the last one to leave.

Questions or *constructive* comments may be addressed to Bill at 720-988-6336 or by email to bhowlin088@gmail.com.





SAFETY TIMEOUT

by Ken Roberts, MAS Safety Officer



Avoiding Crashes – 5 tips to save your RC airplane!

We've all been here, done that!

The life expectancy of your RC airplane is directly proportional to how well you follow directions. That is to say, you've built and setup your plane properly as explained by the instructions. This article is intended to give the first time model builders some helpful tips for being successful the first time out. We'll talk about avoiding the avoidable, not correcting for things like crosswinds or hitting something with your plane.

There are several things that are common in that they can greatly affect your airplane's safety. Like a weak link in a length of chain, any one of these things can bring the best built planes down. Let's break down these areas of concern into the following groups.

- **Center of Gravity Balance Point.** In my opinion, more airplanes are damaged or destroyed on their first flight because they were improperly balanced. The balance point for all RC model airplanes (with the exception of small foamy RTF planes,) are called out on the plans of a kit built plane, or in the instructions of an ARF plane. It is absolutely imperative that you take the time to balance your plane properly. Use a balancing jig or simply use your finger tips to hold the plane by the wing to see where it balances. If the tail hangs low while placing your fingers where the instructions say the balance point is, it is tail heavy. If the nose hangs low, it is nose heavy. Of the two, slightly nose heavy is better than slightly tail heavy. As the plane becomes more and more tail heavy, the more and more sensitive it becomes to control inputs until it gets to a point where it is uncontrollable. We see this all the time. The plane takes off and the wing rock back and forth. The nose stays high and eventually the plane snaps to one side and crashes. You prevent this by adding nose weight.
- **Engine/Fuel System.** The next item most likely to kill your plane is an unreliable engine. This can be caused by a poorly broken in engine, an improperly adjusted carburetor and/or an improperly installed fuel tank. Always follow directions and break in your new 2-stroke or 4-stroke engine before trying to fly. This requires several tanks of fuel and a controlled running of the engine to condition it for proper operation. What you want to do is obtain a reliable idle and a smooth transition from idle to full power. When it comes to power output, always run the engine slightly rich, not lean. Lean engine runs cause overheating and can lead to a damaged engine. The fuel tank should also be installed properly to supply the engine with fuel. Assemble it correctly and install it so the center of the fuel tank is even or slightly below the center of the carburetor. The

simplest setup is a 2-line setup with the output line attached to the carburetor and the other line acting as a vent. You fuel the tank by removing the line from the carburetor. A common problem is a fuel clunk that gets jammed forward in the fuel tank after a hard landing or nose over. Always make sure the fuel pickup line is free to move around in the tank. If it is jammed forward, the next time you take off and the model's nose is pointed up, the fuel level will move back and the clunk will start to suck air and cause your engine to lean out and die.

- **Radio Battery.** Another common failure point is the onboard battery powering the receiver. You should always fully charge your radio system the night before you go flying and have a battery checker to monitor the condition of your battery pack at the flying field. Batteries seldom fail before your next flight, and when they give up the ghost during a flight, you are out of luck because your model is going to lose control and it will eventually hit the ground...hard! Check the battery voltage before every flight with a loaded volt meter. You simply plug it into the charging jack and it tells you what the voltage levels are. If the voltage is low, do not fly! So it is always good to have a DC quick charger/peak detection charger in your field box so you can top off your battery pack. Also, check the battery switch and connections. Never install a battery pack without properly secured and doesn't move around.
- **Final Condition Check** Besides these three basic failure points, always check the condition of your model before every flight. Make sure the radio system and servos are properly installed and working correctly. If you have a programmable radio, make sure you have the correct model memory called up for your airplane. Check the screws and clevises and make sure everything is connected and secured properly. If you have recently repaired a plane, or if it is the very first time you've brought it to the field, have a friend go over it as well. A second pair of eyes can often detect something you overlooked. Always check your control throws for proper amount and proper direction.
- **Don't push a bad situation!** Again, we see this all the time! If your engine is just not operating properly, or if something is not working correctly, just don't fly! The best course of action is to step back and take a breath. Maybe you need to work on the engine back home on a plane stand, to solve the problem. If an aileron is twitching, maybe the servo needs to be replaced. You are the pilot in command. Abort your flight attempt. The plane you save may be your own!

Credit: Gerry Yarrish, Model Airplane News

Meeting Minutes / July 2022

- Meeting held July 30th at Keffer Field.
- Meeting Called to order by President Mike Feitinger at 0900.

- President Michael Feitinger-present
Vice President Mark Nicastle-present
Treasurer Bill Howlin- not present
Safety Officer Ken Roberts- not present
Field Maintenance Officer Joe Moore- not present
Board member Lee Overholt- present
Board member Larry Litsey- not present
Board member Bob Salmon-present

- Attendees-11

- Treasurer's report was given by Mike Feitinger in Bills absence.

- Old business:
 - Runway is completed and looking good. General consensus is that we are satisfied.
 - Mike Feitinger talked about the shade structure idea again. Not willing to put in time for research since we are not truly wanting to invest at this time. Perhaps next year.
 - Prairie dogs are still an issue that needs to be addressed. Mark Nicastle will look into a summer time option.

- New Business:
 - A discussion was had about new vs old logo use. Larry Ott motioned that the club adopts the new logo officially. Motioned was seconded and passed. New logo will be used on website and documents going forward.
 - Lee Overholt mentioned that the Port O Potty will dry up in summer time due to the heat. The club will have them serviced just prior to the Open House event.

Motion to adjourn and seconded at 0910.

REMEMBERING “TOP”

LARRY LITSEY 1944-2022

In the past few weeks we lost another legacy member of our club. Larry Litsey, or “L.L.” as he often referred to himself, flew west on July 28th. He was 78.

Larry treated MAS as his family and devoted lots of time and energy into the club. He served as President for several years and recently sat on the clubs’ Board as an advisor. Larry often spoke of social gatherings at the club that took place in the past and how he wished those could happen again someday. He always attended meetings and events, even if he didn’t feel good. His dedication to MAS was at the highest level.

Larry served honorably in the military, and was an avid sky diver with countless jumps to his record. Lots of stories have been shared from the adventures in his life.

As we continue forward in life, we give thanks for all his dedication and giving to the club over the years. His advice on club matters, selfless donations to club functions (BBQ sandwiches were a favorite) and just being there when he didn’t have to be, will be sorely missed. But finally, Larry is pain free and resting peacefully. God speed friend.

A short Youtube video dedicated to Larry: [click here](#)



FIELD REPORT

The latest updates to the flying field and what's going on.

- Mowing operations continue, thank you Bill Howlin!
- Prairie Dog mitigation continues, Mark Nicastle is on it.
- All non-essential improvements have been put on hold pending future economy improvements.
- PLEASE BE SURE TO LOCK THE BUILDING WHEN YOU LEAVE! It continues to be left unlocked on occasion.
- The sheds will need to be repaired/repainted this fall. Bill H. And Lee O. need some volunteers to help them please.





HANGAR 9 CARBON CUB FX-3

MIKE FEITINGER'S 165" MONSTER

Well, it finally happened. After throwing peeks of my new project into the newsletter for several months, I have managed to get this thing into the air! Originally purchased in 2020, this was the project that never ended (I have others in the same fate). I have a habit of not leaving anything "as is", always wanting to "improve" or modify an airframe to make it more scale or better performing. This always leads to delays and greatly lengthened build times. I am sure many of you can relate!

When I acquired the ARF kit, I wanted a couple things from it: 1. Be really fun to fly, 2. Tow large sailplanes with ease, 3. Throw smoke to make it more interesting, and 4. Replicate a back-country airplane, replete with tundra tires. Not an easy task these days.

So, starting with the power plant; I chose an MVVS engines 175cc twin. MVVS is a Czech company that makes very powerful engines used in competition in Europe. I like their CNC work and design, very attractive. I backed the engine up with canister exhaust to keep it nice and quiet. Up front swings a 32x10 Falcon CF prop and finished with a 6" Falcon CF spinner. To keep things cool headed, a custom set of 3D printed baffles are employed. So



far I seem to have plenty of power to spare! And as usual, the sound is awesome. Mostly one can only hear the sound of the prop beating the air.

As far as electronics, I use a Powerbox Systems of Germany Core radio for guidance. The system runs on 8.0 volts direct to the servos via the Pioneer Power expander. This also gives lots of telemetry feedback like cylinder head temp, altitude, speed, RPM, etc via the PBR-26D receiver. Servos are Hitec D980TW digital programable, twisting out a whopping 611 oz of torque, which is needed as this model only employs one servo per surface! A digi-switch from Powerbox is failsafe and flows the electrons from dual Pulse 2S 5000mAh LIPO batteries. So far the system is very efficient, as I only use about 500mA total after a couple flights! The model also features a full LED lighting system controlled via a Unilight controller, allowing strobes and pulse landing lights.



Did I mention smoke? There is a removable smoke system employing a Powerbox Smoke pump, 500cc tank, and LIFE battery, all on its own tray. And for tundra tires, it is outfitted with Premium Model Technik 255 mm (10") Tundra Tires from Germany. They feature ball bearing hubs on an 8mm axle. And lastly there's a G-Force 1/3 scale pilot in the cockpit to finish it off.



All said and done the model came in at 66 lbs wet, so obviously it requires a Large Model Aircraft Program waiver from the AMA which has

been obtained (thanks to Larry Ott and Randy Petrie for their assistance).

There's a saying that the larger the model the better it flies, and boy that is sure true with this one! A total pussycat, it handles awesome and very scale like. Cubs typically are a handful during ground handling, and this one is not bad. It still requires active rudder use. But generally it is an excellent performer!



NO LANDING FEES!

LUNCH AVAILABLE

MINIATURE
Demer's Friendlier
Aero Sportsters
RC Flying Club

ANNUAL
OPEN HOUSE FLY-IN

COME FLY WITH US!

SEPTEMBER 24TH, 2022

KEFFER FIELD, BRIGHTON COLORADO

MORE INFORMATION AT WWW.MINIATUREAEROSPORTSTERS.ORG

AMA SANCTIONED EVENT # 12628

© MIGHT43

Front Range RC Flying Events Calendar for 2022 (Ver 2d)

by Mike Cross – Longmont Associated Modelers Association (LAMA) 12 July - AMA 12 Jul

Note 1: This events calendar is very dynamic and being updated frequently, bear with me on changes.

Note 2: Some of these events are not firmed up ---- **verify before you plan to attend.**

Note 3: The events with a **(A)** = are AMA sanctioned events and **(I)** = are IMAC sanctioned events.

These events were gathered from the AMA Web site calendar, club web sites and emails from club officers.

Purple – Newly added event

Please send updates to: Hotcross.RCFlyer@Gmail.com

Jul 16 (A) - PPRCC Warbirds over Pikes Peak	Pikes Peak RC club – Colo Spgs
Jul 16-17 (A) – Parker Pattern Contest	Crosswinds RC - Aurora
Jul 21-24 –(A)- 4th LAMA Fest 2022	LAMA –Dacono
Jul 24 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Jul 26 – Canx RC Eagles Jul Airshow/ Fun Fly + BBQ 6-7:30PM	Denver RC Eagles - Aurora
Jul 30 - PPRCC Electric Fun Day	Pikes Peak RC club – Colo Spgs
Aug 06 - PPRCC Fun Fly	Pikes Peak RC club – Colo Spgs
Aug 06 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Aug 12-13 –(A)- Colorado WarBirds	LoveAir – Ault
Aug 13-14 -(A) –2022 Mile High Challenge Pylon Race	Jefco Aeromod'lers - Littleton
Aug 14 - PPRCC Family Day & Swap Meet	Pikes Peak RC club – Colo Spgs
Aug 20 –(A) -Mile Hi RC Club Open House Event	Mile Hi RC - Strasburg
Aug 21 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Aug 23 – Canx RC Eagles Aug Airshow/ Fun Fly + BBQ 6-7:30PM	Denver RC Eagles - Aurora
Aug 27-28 –(A)- LAMA Pattern Challenge	LAMA -Dacono
Sep 3-4 (A) – Warbirds & Classics over Pueblo	Sky Corral - Pueblo
Sep 03 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Sep 9-11 –(A)- 2021 Mile High Heli Showdown	LAMA –Dacono
Sep 10 –(A) - Warbirds Over The High Plains	Mile Hi RC - Strasburg
Sep 15-18 (A) – Warbirds & Classics over the Rockies Date Changed	Arvada Associated Modelers
Sep 17 (A) - Jets over Pikes Peak	Pikes Peak RC club – Colo Spgs
Sep 17 – Indoor flying 7-10PM https://actionhobbiesco.com/	Foothills Sports Arena -Lakewood
Sep 22-25 (A) –Warbirds & Classics over the Rockies	Arvada Associated Modelers - Arvada
Sep 24 – RC Eagles Sept Airshow/ Fun Fly + BBQ 10-12:30PM	Denver RC Eagles – Aurora
Sep 24 –(A)- Miniature Aero Sportsters Open House Fly In	Miniature Aero Sportsters -Brighton
Sep 25 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Oct 02 - PPRCC End of Summer Club Event	Pikes Peak RC club – Colo Spgs
Oct 7-8 – (A)- Colorado Jet Rally	LoveAir – Ault
Oct 08 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Oct 15 – Indoor flying 7-10PM https://actionhobbiesco.com/	Foothills Sports Arena -Lakewood
Oct 22 – RC Eagles October Gun Fly + BBQ 9:30 – 12:30PM	AirPark Elite – Strasburg
Oct 23 – Vern Lake Float Fly	Arvada Associated Modelers – Arvada
Nov 05 – Vern Lake Float Fly	Arvada Associated Modelers - Arvada
Nov 19 – Indoor flying 7-10PM https://actionhobbiesco.com/	Foothills Sports Arena -Lakewood

Please send any updates or corrections to me @ Hotcross.RCFlyer@Gmail.com



Serving the Northeast Denver Area, the Miniature Aero Sportsters flying site sits on 40 acres with a 500 foot paved runway. The club is open to all who have a current AMA membership. The Miniature Aero Sportsters consists of a group of individuals with a common interest in radio control aircraft. Club meetings are on the 4th Thursday of the month or the Saturday immediately following. See our website for specifics.

Published articles reflect the author's opinion and may or may not reflect those of the club in general, its officers, or the newsletter editor.



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FIRST CLASS MAIL