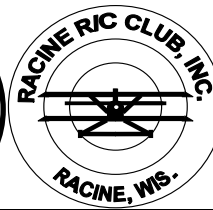




THE FLIGHTLINE



AMA CLUB 668 SINCE 1968
RACINE RADIO CONTROL CLUB INC SINCE 1968

RRCC September Issue
September 19, 2021 Newsletter

WE ARE ON THE WEB
www.racinerclub.com

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President

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Racine R/C Club Meeting Minutes

August 15, 2021

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM.

Welcome - New Members & Guests – Ron Hayes was welcomed as a new member. Ron is from Kenosha and fly's both electric and gas planes. 21 members were present.

Minutes - Last Meeting – There were no changes to the minutes from the last meeting.

Reports

President- Jim encouraged everyone to complete the "TRUST" certificate online using the AMA website. It's quite easy and takes about 15 minutes to complete and its free. The point is to learn (we all know the stuff anyhow) safety and procedural facts about flying unmanned aircraft.

If something should happen at the field or anywhere for that matter and an officer asks for your certificate number, you'll have it to cover yourself. If you don't present the card when asked it could be (probably will be) an issue for you. Just go to the AMA website and type in TRUST in the search bar and it will take you to the right place.

A few updates on several club members. Roger Olsen was admitted to the ICU for a sepsis infection. We do not have an update on his condition.

Ed Witt had a partial lung removal due to cancer. As far as we know he's doing well.

Past member, Bob Lupia passed away die to complications from Leukemia.

Eric Armantrout informed the members he is dealing with Leukemia. He said it is a type that can be controlled with medication and he's doing very well.

The next several meetings will involve annual administrative topics as follows.

Any member can submit a proposed change to the club By-Laws and or the Club Field Rules. A change must be submitted in writing exactly as you want it to read.

Submissions can not be amended by the membership. Be sure to consider how your change affects any other area in the By-Laws or Field Rules.

All changes must be submitted to the secretary, in writing (email msg is OK) by noon October 1st. All changes will be published in the October and November newsletter and voted on by the membership at the November meeting.

Election of officers will take place at the November meeting. Nominations may be made up to the time of voting. This is your chance to get involved. If you want to see things run differently, this is your time to step up.

Setting of the annual membership dues rate will occur at the December meeting. This will give the newly elected officers a chance to present their agenda to the membership and the corresponding dues to accomplish the new agenda. I have not surveyed the current officers to see what their intentions are.

Vice President- Roger was not present but Jim confirmed our open house will be next Sunday 8/22. The club will supply

hot dogs, soda, water and chips. No landing fee required.

All pilots must be and AMA member. Dennis will notify other clubs. Signs and banners will be placed out by the entrance off HWY 20.

Sky Ranch Fun Fly will be held on 9/11. Bring something to pass if you plan to attend.

Secretary/Treasurer-Bob Johnson
Current membership.

Senior Members	39
Open Members	18
Junior Members	<u>3</u>
Total	60

General Fund-Continues to be healthy. We are well positioned to deal with any expenses (planned or otherwise) for 2021.

Our insurance policy with Donegal Insurance has been canceled through Martinson Agency.

News Editor-Dennis Vollrath had nothing new to report.

Field Chairman- Hoss thanked the membership particularly Smalley for the help with the weed killing. He mentioned his new pickup will have a plow for the winter snow.

Tractor Chairman-Eric Armantrout discussed starting issues with the mower that he will fix and sharpen the blades at the same time.

Web Master-Justin had nothing new. Asked members to post stuff on the club Facebook site.

Safety Officer-Dan was not present but Jim reviewed our procedure for retrieving a plane down in the corn fields.

Never go out for a down plane alone. It is very easy to get turned around and lost and very difficult to find your way

out.

Use a pole with a flag so you can be guided by spotters at the shelter using landmarks.

Exchange cell phone numbers so you can communicate with spotters guiding you.

Take a bottle of water with you when it is very hot and humid to keep hydrated.

Compost Director-Jerry Rose informed membership all is Ok with the compost

site.

Old Business- Nothing to report

New Business – See Jim's comments

New Pilots – None

Show & Tell – Dennis showed 3D printed battery holders for his A123 batteries.

Raffle Drawing – Mike Stein won and donated the \$36.00 back to the club.

Close Meeting – Jim closed the meeting with a reminder the next meeting will be September 19th.

JIM'S CORNER

We have been having some really great flying weather lately, at least in most of the days I went to the field. Hope you have been taking advantage of it. Fall is coming soon, and we all know what follows that!

As mentioned in previous newsletters, this is the time of the year where members can propose Field Rule changes & By-Law changes. To accomplish this, club members must:

Submit their proposed changes, in writing (or email message), to the club Secretary.

The proposed changes shall be as you want the change to read. It would also indicate what you want eliminated if that is the case.

The proposed change cannot be amended, nor changed after submission.

The proposed change will be published in the October & November newsletters, and voted on at the November meeting.

Club officers will meet, as per club by-laws after all submissions have been received, to discuss, and possibly submit

proposals of their own as a collective body.

Also note, that at the November meeting, club officers for 2022 will be elected. Nominations can be made up to the time of the election vote is taken. This is your chance to get involved in the club activities. If there is something you would like to see run differently, this is your chance to submit your name, and run for an officers position.

In the last few weeks 3 planes have gone down requiring searches. Two in the corn and one to the west. Using the pole with the flag & cell phones works! Those who spotted the plane going in were able to direct searchers right to the area of the plane.

Don't go rushing of into the corn without a plan!

As "Hoss" has indicated in email messages, the shelter side will be going up on Saturday, October 9th, starting at 8AM. Help is needed!

The field is in great shape, so come out and get some flying in.

Fly Safe & Have Fun
Jim Litwinsident

Dennys Stuff

Wow, as we get older, we no longer use a watch to keep track of time. For me, I've been using a calendar for that purpose!

Time again for the RRCC newsletter. I've had a few projects worth of note for this newsletter.

First, one of our RRCC club members had a Hitec D955TW servo become intermittent in operation. He found that slightly flexing the servo's three conductor wire right at the servo location could cause the servo to completely quit operating.

Naturally, your RRCC editors past 44 years of electronic failure analysis at work kicked in. I got permission and removed the servo's back cover.

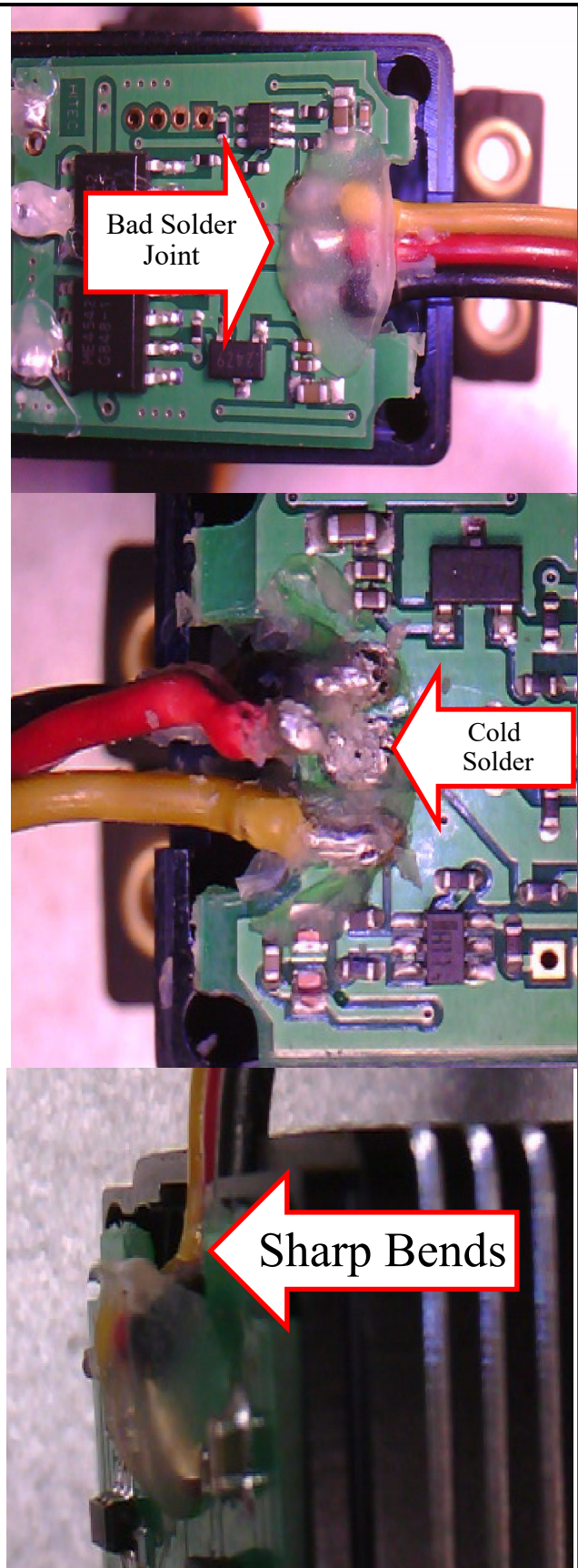
The failure was an OBVIOUS manufacturing defect involving the soldering of the three servo wires to the servo circuit board internal to the servo.

The adjacent photo shows that the manufacturer covered the solder joints with a type of rubber material to protect the servo against vibration. Note the center red wire solder joint. Something is wrong with that solder joint.

The next shows the same location with some of the rubber material removed with a sharp scalpel.

For those familiar with this, the red wire was secured with a cold solder joint. FYI, a cold solder joint will occur if the lead wire is moved after soldering, but before the solder has cooled off and solidified.

I can tell with the use of my microscope that the three lead wires were "Solder



Dipped" using a solder pot. When this is done, that solder wicks under the lead wires insulation a small fraction of an inch.

The manufacturing assembly process then placed the rubber material over the soldered connection, hiding the cold solder joint.

The photos show that the three lead wires were sharply bent twice at the circuit board, and the exit from the servo case.

This cracked the cold solder joint on the red wire, resulting in the only thing maintaining contact of the red wire was the rubber type material.

For me, it was a simple process of removing the rubber type material with a sharp knife, resoldering the joint, then protecting the lead wires with some hot melt glue.

Here is an important note:

Never - Never - Never use any sort of silicon RTV on any electronic components. Common RTV uses acidic acid that works to set up the RTV. That acid will attack the copper wire, resulting in a failure several years later.

The company I worked for had a factory

recall on this very issue when one of our suppliers used common RTV on one of their relays. The recall wound up in a lawsuit placed by our company that resulted in a \$150,000 expense to our supplier.

Any RTV that is safe for electronics equipment will state right on the package that it is safe to use for electrical equipment.

If it doesn't, don't use it on our RC stuff.

I'm thinking about bringing my foamy bi-plane to the field on meeting day, with a for sale sign on it. It hasn't been flown much, but the flights I put on it were very good. There are around 30 flights on this model.

It runs on a six cell 4500 mah LiPo battery. If my fading memory is correct, the battery pack is all you need to fly it, as the receiver, servos, ESC and so on are all included.

Guess that's all for now!

DennyV
RRCC editor

Date+K2 0129A1: KA1:K3 9	Time	Name(1)	Name(2)	Substitute		Date	Time	Name(1)	Name(1)	Substitute
04/07/21	12-2	Darrel Hossalla				08/11/21	12-2	William Bylsma		
04/07/21	2-4	Darrel Hossalla				08/11/21	2-4	Charlie Reich	Jim Houtsinger	
04/07/21	4-6	Terry Peterson				08/11/21	4-6	Gary Bokowy		
04/14/21	12-2	Roger Nickolaus				08/18/21	12-2	Bill Flannery	Chris Stien	
04/14/21	2-4	Roger Nickolaus				08/18/21	2-4	Charlie Reich	Chris Stien	
04/14/21	4-6	Terry Peterson				08/18/21	4-6	Gary Bokowy	Chris Stien	
04/21/21	12-2	Terry Peterson				08/25/21	12-2	Wayne Greisen	Thomas Dremel	Stephen Knackert
04/21/21	2-4	Darrel Hossalla				08/25/21	2-4	Ray Fisher	Thomas Dremel	Jerry Rose
04/21/21	4-6	Jason Fisher		Stephen Knackert		08/25/21	4-6	Ray Fisher	Thomas Dremel	Carl Bergqueist
04/28/21	12-2	Roger Nickolaus	Arland Matson			09/01/21	12-2	Carl Bergqueist	Edward Witt	
04/28/21	2-4	Rich Smentek				09/01/21	2-4	Dennis Vollrath		
04/28/21	4-6	Jason Fisher		Charles Roberts		09/01/21	4-6	Dan Pozel	Jim Houtsinger	
05/05/21	12-2	Jason Fisher	Arland Matson	Stephen Knackert		09/08/21	12-2	Wayne Greisen	Ronald Hayes	
05/05/21	2-4	Dennis Vollrath				09/08/21	2-4	Wayne Greisen	Ronald Hayes	
05/05/21	4-6	Dan Pozel				09/08/21	4-6	Donald Parkinson	Ronald Hayes	
05/12/21	12-2	Charles Roberts	Arland Matson			09/15/21	12-2	Richard Stapleton	Charles Brzezicki	
05/12/21	2-4	Carl Bergquist	Edward Witt			09/15/21	2-4	Richard Stapleton	Charles Brzezicki	
05/12/21	4-6	Raymond Redlin				09/15/21	4-6	Richard Stapleton	Charles Brzezicki	
05/19/21	12-2	Jerry Rose				09/22/21	12-2	Donald Parkinson	Bruce Napieryowsk	
05/19/21	2-4	Dennis Vollrath				09/22/21	2-4	Bill Flannery	Bruce Napieryowsk	
05/19/21	4-6	Eric Armantrout	Ron Dixon			09/22/21	4-6	Bill Flannery	Gerald Bublav	
05/26/21	12-2	Matthew Holl	Charles Roberts			09/29/21	12-2	Douglas Karge	Bruce Napieryowsk	
05/26/21	2-4	Matthew Holl				09/29/21	2-4	Douglas Karge		
05/26/21	4-6	Matthew Holl	Manuel Gonzalez			09/29/21	4-6	Douglas Karge	Gerald Bublav	
06/02/21	12-2	Charles Roberts		Stephen Knackert		10/06/21	12-2	Buzz Paricka	Pete Luks	
06/02/21	2-4	Rich Smentek				10/06/21	2-4	William (Oz) Miller		Ron Dixon
06/02/21	4-6	Dan Pozel	Manuel Gonzalez			10/06/21	4-6	Jim Houtsinger	Gerald Bublav	
06/09/21	12-2	Jerry Rose	Jim Smith			10/13/21	12-2	Trygve Smalley		
06/09/21	2-4	Ray Fisher				10/13/21	2-4	William (Oz) Miller		Ron Dixon
06/09/21	4-6	Ray Fisher	Manuel Gonzalez			10/13/21	4-6	Stephen Knackert	Donald Parkinson	
06/16/21	12-2	Charles Roberts				10/20/21	12-2	Trygve Smalley		
06/16/21	2-4	Rich Smentek				10/20/21	2-4	William (Oz) Miller		Ron Dixon
06/16/21	4-6	Justin Francisco		Dallel Hosssalla		10/20/21	4-6	Stephen Knackert		
06/23/21	12-2	Raymond Redlin				10/27/21	12-2	Buzz Paricka	Dennis Krzyzanek	
06/23/21	2-4	Raymond Redlin				10/27/21	2-4	Buzz Paricka	Dennis Krzyzanek	
06/23/21	4-6	Justin Francisco				10/27/21	4-6	Trygve Smalley		
06/30/21	12-2	Jim Litwin	Jim Smith			11/03/21	12-2	Stephen Knackert	James Martinich	
06/30/21	2-4	Jim Litwin	Jim Smith			11/03/21	2-4	James Martinich		
06/30/21	4-6	Jim Litwin				11/03/21	4-6	James Martinich		
07/07/21	12-2	Bob Johnson	Roger E Olsen			11/10/21	12-2	Paul Willems		
07/07/21	2-4	Bob Johnson	Roger E Olsen			11/10/21	2-4	Pete Luks		
07/07/21	4-6	Eric Armantrout	Ron Dixon			11/10/21	4-6	Jim Strelitzer		
07/14/21	12-2	Bob Johnson	Roger E Olsen			11/17/21	12-2	Paul Willems	Michael Stein	
07/14/21	2-4	Carl Bergqueist	Edward Witt			11/17/21	2-4	Michael Stein		
07/14/21	4-6	Justin Francisco	Helmut Schmidtke	Roman Kirykowicz		11/17/21	4-6	Jim Strelitzer	Michael Stein	
07/21/21	12-2	Jerry Rose				11/24/21	12-2	Paul Willems		
07/21/21	2-4	William Bylsma				11/24/21	2-4	Pete Luks		
07/21/21	4-6	Eric Armantrout	Ron Dixon			11/24/21	4-6	Jim Strelitzer		
07/28/21	12-2	William Wampler	Ronald Schroeder			12/01/21	12-2	Steven Navone		
07/28/21	2-4	William Wampler	Ronald Schroeder			12/01/21	2-4	Steven Navone		
07/28/21	4-6	William Wampler	Helmut Schmidtke	Roman Kirykowicz		12/01/21	4-6	Steven Navone		6
08/04/21	12-2	William Bylsma	Ronald Schroeder							
08/04/21	2-4	Charlie Reich	Dennis Krzyzanek							
08/04/21	4-6	Gary Bokowy	Helmut Schmidtke	Roman Kirykowicz						