



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

SERVO CHATTER

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ANOKA COUNTY RADIO CONTROL CLUB, INC.

JANUARY 2025

THE JANUARY 16TH MEETING IS INDOORS AT CRCC!!

PRESIDENT'S CHATTER

JAN 1, FREEZE-FLY

Yes. another year has passed and we are looking forward to a great year ahead of us.

What better way to start out a year. It was a bit colder than the past week with a brisk crosswind but, we managed a few flights with only minor damage from rougher than normal landings on hard earth.

We had six pilots and as many spectators including a very personable dog who seemed to enjoy inspecting the planes.

A really great lunch including two chilis with all the usual fixins I.E. cheese, bacon, onions, sour cream chips and even some really good cornbread. Michael Reinert and Dan and Amy Thiede provided all the food. A big thanks goes out to them.

All electric planes with one exception a glow four cycle which failed to start.

We had all had enough of the cold fingers by noon so if anyone showed up later, sorry I missed you.

Looking forward now to some indoor flights and spring!!

Jeff Slater



The brave pilots of the Freeze Fly



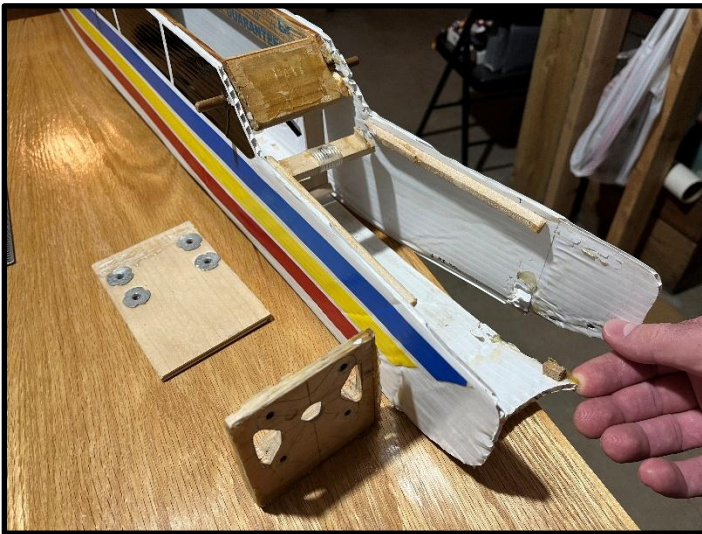
Mike and Amy provided the chili and more

FROM THE VEEP

Welcome to the new year! As Jeff reported, we had a good Freeze Fly, despite the cold and wind. During my one flight, my cold fingers weren't working as well as



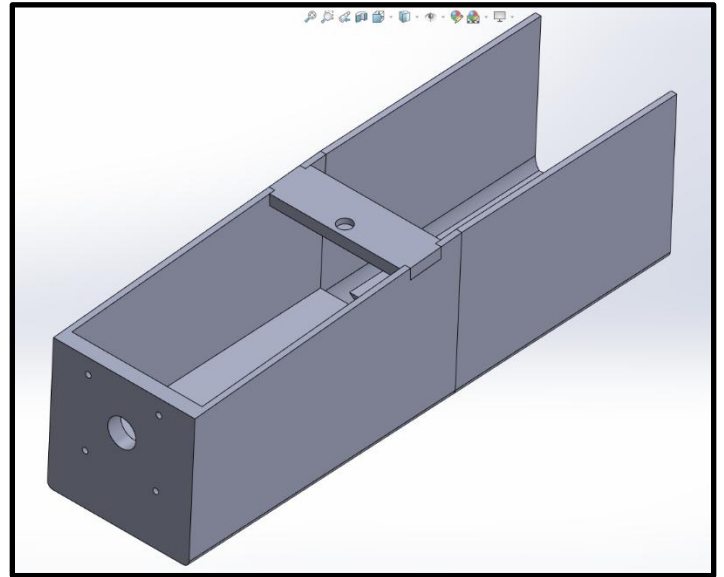
usual, so my trainer ended up being one of the planes with “minor” damage from an encounter with the frozen ground. My trainer is made of plastic sign board, and the plastic had become brittle in the cold air. This resulted in a split right down the corner of the fuselage nose all the way back to the landing gear mount. I’ll admit, I was a bit distraught and I considered retiring the airframe for a moment.



The damage to Ryan's trainer

Once I recovered from the disappointment, I had the inspiration to fix the fuselage by adding more structure inside. The instructions that I began with many years ago suggested gluing a 3-inch square PVC tube inside the Coroplast skin from the firewall to the landing gear. I deviated from that since I was building it as an electric, but I've decided that was the way I was going to fix this latest crash damage. Finding the square tube became a challenge, since it is not a common type in the US. After a conversation with my coworker (the one who owns the 3D printer) I decided I would once again design a part in CAD to be 3D printed.

As I was designing the part the other day, I looked around my shop and counted seven of my airplanes that had some 3D printed parts made for them. Most are mounts for power plants, both electric and glow. I've also come up with battery trays, landing gear and even ducting for a twin EDF. The neat thing about 3D printing is that you can print components that would otherwise be difficult to machine, not to mention the customization available.



The rough design for Ryan's trainer parts

The image above is of the CAD design of the parts I intend to have printed. The design is not complete, as I will remove some material to accommodate air cooling of the battery compartment and clearance for other components, but it gets the idea across. I had to split the parts into an assembly of three components, due to limitations of what can be printed. For example, printing overhangs in the open air is only possible by laying down a support structure below it. These structures are removeable once the print is done, but the material is wasted and adds to the cost of the print. The design was also too large for the printer, so there will be two main sections that get glued together with 4mm carbon fiber tubes inserted in holes to align and strengthen the joint. This will all get glued to the sides and bottom of the fuselage.



New landing gear for a small aircraft

3D printing costs can be minimized by using different filament materials, such as PLA, which can be used to print whole airframes (some assembly required). My coworker's printer uses a nylon filament with carbon fibers embedded in it. While this is a more spendy option, I've been amazed at the strength and durability of the parts. One part has even been enlisted in our dishwasher at home for the last several years. In most cases, if you can dream it, it can be printed.

On a side note, I've been torn on what to do about raffle prizes. Attendance at club meetings has been sparse enough so that some months we haven't done a raffle. It is also difficult to be fair in what I bring, since some electrics can be built for less than \$20, but those of you who fly large gas planes can't even buy a good fuel tank for that amount. If you have ideas of how to incentivize more members to come to meetings, I hope you will share those with me. I will also be thinking of ways to change the raffle. Let's aim to be a club with many active members, not just at the flying field, but also in running the business of the club.

Ryan Kontak

MEMBERSHIP NEWS

There has been a little bit of confusion using the online membership application and payment method. After you complete and submit your online application, an invoice will be sent to you via email which will have links to PayPal or Venmo for payment. The invoice may take up to a couple of days to show up in your inbox as this is a manual function after I process your application.

A couple notes as it relates to membership renewals.

1. If you renew online, please use PayPal or Venmo for payment. Do not send cash or a check later in the mail. If you prefer to pay by cash or check, please mail me your application.
2. Use the name or make a note on your application as you would like to see it on your club card. Ex. Robert/Bob
3. If you will be using a 72MHz transmitter, please check that box and provide the frequencies you will be using.

- Welcome new member Ron Anderson
- Current 2025-member count: 37

The next meeting will be at the Coon Rapids Community Center December 16th at 7:00pm.

Scott Oleson

A LOOK BACK

JANUARY 2007

18 YEARS AGO

The new Board members introduced themselves, with a brief personal history.

Kevin Carlson, our new safety officer, reminded everyone that our models can be very dangerous. Recently, he was helping a friend at his lake cabin, with a high-performance boat. The throttle servo setting was accidentally reversed, causing the motor to go wide open, and consequently destroyed the boat in the chaos.

8 pilots enjoyed the 42-degree Freeze Fly temps. Skis or floats were needed to navigate the snow.

The event calendar is filling up with the Spring Fly-In, Pattern Contest, Fun-Scale Contest, possible Scale Masters Qualifier, and a Fall Fly-Out.

The Annual TCRC auction will be held at St Peter's Catholic Church in Richfield.

JANUARY 1997

28 YEARS AGO

A crowd of 21 pilots braved the frosty Freeze Fly conditions.

Prez Spence Minear, took a "detour" down Memory Lane while cleaning his parents' estate. He found 2 control line airplane plans that he had purchased in the late 50's. He built and flew the planes.

The MAAC swap meet was held at St Columba's Church basement on Hamline Ave, St Paul.

Tim Karash

ACRC MINUTES

Board members present:

Jeff Slater, Marc Tellevik, Ryan Kontak, Mike Reinert, Jim VanNorman.

4 Member present plus board

Guest: None

Membership Report:

85 Members total for 2024

23 members are paid for 2025

Treasurer's Report:

Income: \$716.00

Expenses: \$1500.00

Safety Officer Report:

Not Present

Event Coordinator:

January 1st Freeze-Fly

Multiple Swap Meets and auctions will be happening over the winter months. Watch your email and ACRC website for announcements.

Training Report:

Training will continue in the spring

Old Business:

Club Training sign was shown. To be placed near the large ACRC sign in the spring.

New Business:

Discussion over the possibility of sanctioning our events to get sponsors (AKA Freebies)

SPRC has definitely lost their field site as of 5/15/25. They are searching for someplace new.

The Board of SPRC has decided to refund dues paid for the 2025 season, so members will not be paying for a non-existent site.

This development (pun intended) will likely result in additional ACRC members.

The Grassfield club field is under the gun again. The city of Brooklyn Park wants to develop an "L" shaped area bordered by 109th Ave on the north, Jefferson Hiway on the west, Hiway 610 to the south, and 169

on the east. Also, the block east of 169 bordered by 101st Ave on the north and 610 to the south.

Show and Tell:

Mike Reinert brought an Old School Model Works Dart, which is a scaled down version of The Javelin. It's intended for indoor flying.

Jeff Slater brought his fabric covering D7 wings project. The lozenge style scheme is done in camouflage colors, using multiple hand traced & cut patterns. The fuselage is covered in polyester fabric.

Raffle:

None

Submitted by Tim Karash

FUNDRAISING CALENDARS

Tim will be at the January meeting, where it will be your last chance to get a swell 2025 Weather Guide Calendar. Profits from the sales contribute to our runway fund. Hint Hint. The price goes up next year, so get yours at the bargain rate.

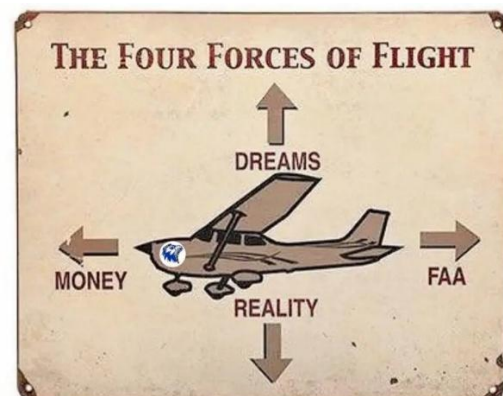
Paid AMA Dues

Does your health insurance have a fitness benefit?

There will be a link in the newsletter email that you can click to see if you qualify to have your AMA dues covered.

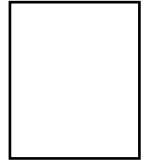
The company offering this is Grouper (Also known as Element3 Health.) Sign up and then report that you have participated in a club activity every month. Club meetings and Wednesday morning coffee count. They sent me a check for my dues last week.

Marc Tellevik



SERVO CHATTER

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ACRC SPONSORS

King Kong Hobbies
Woodworking Plus
Blackjacks Asphalt
Rivard Companies

CALENDAR OF UPCOMING EVENTS

Thursday – January 16

- ACRC Meeting-At CRCC

Saturday – January 25

- MARCEE Swap Meet

Saturday – February 1

- TCRC Auction

Thursday – February 20

- ACRC Meeting-At CRCC

Saturday – February 22

- Duluth Auction

CRCC - Coon Rapids Civic Center

