



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

## *SERVO CHATTER*

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

**APRIL 2023**

***THE APRIL 20<sup>th</sup> MEETING IS AT THE CIVIC CENTER!!***

### **PRESIDENT'S CHATTER**

#### **SPRING IS JUST AROUND THE BEND**

I know that because I have the final dates for the indoor flying sessions both at the National sports dome and the St Ben's campus

National sports dome April 2 10:00 AM until 12:00 Noon and April 19 8:00 PM until 10:00 PM

St Ben's address is 30138 college Ave S St Joseph Mn. Turn rt at south entrance then keep rt to lot 10 for parking. April 16 and April 30 both from 8:00 AM until 12:00 noon. Hoping to see many of you at one of the venues.

Then on to SPRING. Mowing volunteers are needed. We will be mowing weekly usually Tuesdays so the field is ready for Wednesday's training. Please contact either Marc Tellevik or me to get on the list. We would like to post the schedule by sometime in April.

The first FUNFLY is tentatively the Saturday after the next meeting weather permitting the final decision will be made at the April meeting.

Fun STUFF. I got out flying Sunday and had an audience to watch my mini air show. I heard horns honking at a few low and slow inverted passes so I think they enjoyed the show. Although since they left after the first flight and didn't stay for the finale, I must not have been all that good! It was still a great day to fly.

Jeff Slater

#### **SAD NEWS**

Stan Zdon has taken his last flight. A large part of our club for as long as I can remember, he was our newsletter editor and membership secretary and never asked to step down as well as a very prolific builder and flyer attending all our scale and pattern competitions as well as funflys. He will be MISSED!

Two of our current members have voluntarily stepped up to try to fill the void that Stan has left. Please help me thank these guys and welcome them to their new positions on our board.

Regards, Jeff



#### **JEFF'S AUDIENCE**



## FROM THE VEEP

Hello everyone, this is Ryan's wife Alyssa hijacking the VEEP article for this month. It sounds like there has been some controversy about how Bernoulli's principle contributes to airplane lift, so I'm here to set the record straight.

In the shortest terms, Bernoulli's principle tells us that the faster a fluid flows, the less pressure it has. This applies to both liquids and gasses such as air. So that means that the faster air moves, the less pressure it exerts. Still air has a higher pressure, and fast-moving air has a low pressure.

But wait, what about when you go outside on a windy day, and it feels like the wind is pushing on you and exerting a lot of pressure? Great question – once those air molecules in the wind have run into you, they come to a stop and can exert a lot more pressure on you, enough that you feel it. But if the air molecules are not running into you (blowing past you), then they are at a lower pressure.

Let's take a look at some examples: Have you ever seen a mattress along the side of a highway? Yep, that's caused by Bernoulli's principle. When the truck is driving along the highway, the air blowing over the top of it is moving fast, meaning that it has a low pressure. If you don't tie the mattress down in the bed of a truck, that low pressure over the top of the mattress causes it to experience lift, just like an airfoil – enough lift that the mattress can fly out of the bed of the truck and land on the road.

Here's another one: you're in your vehicle sitting still at a stoplight, waiting to turn left. The cars going straight whiz past you, and you feel your car rock slightly toward the stream of traffic. As those cars go past, they are creating fast-moving air, which means low pressure on that side of your car. That's why you feel your car sway in that direction.

Still not convinced? Try this one at home: grab a strip of paper (around 2 inches wide, 11 inches long), and hold it below your bottom lip, allowing it to flop down over your fingers. Now blow outwards, across the top surface of the strip. The paper strip moves upward into

the fast-moving stream of air, because that has lower pressure than the (relatively) still air around it.

In each of these cases, there was no airfoil shape and no angle of attack, and yet there is still a lift force produced by the fast-moving air.

Hey everyone, Ryan here. See what I have to put up with every day?! I should know better than to bring home the latest conversations from Wednesday morning coffee time...

Also, please bear with me as I step into the newsletter editing role. I'll do my best to keep it going in good form, although there may be some hiccups as I learn the ropes. We may change the format through which we deliver the newsletter and other communications. Feel free to send comments to the newsletter email address.

Ryan Kontak... and Alyssa too 😊

## MEMBERSHIP NEWS

On Tuesday March 28th family, friends, and many RC Club members from ACRC, St. Paul RC, and Grassfield RC attended the funeral for Stan Zdon. As expected, the church was nearly full. I saw many current members, past members, and people I have not seen in years. I personally want to thank all of you that attended.

My name is Scott Oleson, I have been building and flying RC since 1984 and have served on the ACRC board in the past. Some of you know me, some don't admit they know me! Either way I'm your newly appointed Membership Secretary and excited to serve.

Jeff Slater is obtaining existing club membership records Stan had from his family. I'm aware that some of you have sent your application for 2023 to Stan and have not received your 2023 membership card. If you are one of these people, send me a quick email at [membership@anoka-rc.com](mailto:membership@anoka-rc.com) The membership application has my contact and mailing information. I'm confident I will catch up within the next couple of weeks. I have received a couple applications in the mail and will get them processed soon. If you have not renewed for 2023 and plan to, please do so this month

if possible so the club can budget for this year's events and expenses.

Monthly Fun Flies are scheduled for the Saturday after the membership meetings, our first Fun Fly this season will be April 22nd. I'm 50% complete with a vintage Great Planes Dazzler kit, it will be powered by a hot Rossi 40. Not sure it will be ready for April, but I'll fly something either way. Get your fun fly planes ready and let's knock Flander off his perch! I'm personally putting a \$10. cash bounty up for anyone that beats him. Also, you will receive a raffle ticket with your entry for a gift card which is always helpful to cover some of your repair expenses!

The next meeting will be at the Coon Rapids Civic Center on April 20th at 7:00 PM. Please try to attend as membership and meeting numbers are low, I'm looking to improve that.

Scott Oleson

## A LOOK BACK

### APRIL 2005

18 YEARS AGO

Al Spearbecker witness a brief aero-towing display at our field, however no names were given for credit and their bravery.

Dan Stahn compiled a list of 22 items relating to landing procedures of a light aircraft, many of which apply to R/C aircraft as well.

Stan Zdon reminded everyone of Rule #1 to place their membership card on the appropriate frequency clip.

Tim Karash borrowed an article from Wood Shop News describing the four major types of sandpaper grit material and their usage.

The new Sportsman and Intermediate pattern sequences were published.

### APRIL 1995

28 YEARS AGO

President Dennis Fenton reported that despite only being held for one day, the Apache Mall Show was a great success. ACRC had 15 members present.

Dennis also admitted to "recovering" bits of his crashed airplanes during "Field Clean Up Day"

13 Members participated in the monthly Fun-Fly.

Tim Brockman gave a report of landing Brian Dorff's Eagle 2 with a disconnected elevator pushrod. The plane survived with only a broken prop.

Luck? Skill? Great designed aircraft? Anyone's guess.

Tim Karash

## ACRC MINUTES

Board members present:

Jeff Slater, Tim Karash, Ryan Kontak, Jim VanNorman.

4 Members present plus board

Guests none

### Membership Report:

62 Members have renewed for 2023

### Treasurer's Report:

Income: \$1495.00

Expenses: \$179.65

### Safety Officer Report:

None

### Event Coordinator:

None

### Training Report:

None

### Old Business:

Additional indoor flying dates will be published in the upcoming newsletters.

Tim Karash will check on the status of a Porta Potty purchase.

### New Business:

The mowing list had 7 people in '21, 5 In '22. 7 or 8 would help ease the load, by reducing the number of times each individual would mow.

Marc Tellevik will be the contact & coordinator

Tuesdays are the designated mowing day

**Show and Tell:**

Jeff Slater brought a scratch-built canard style pusher airplane, possibly 60 size power. It has a unique aileron combination drive and hinge method. Relatively light weight considering it was glassed and painted. Unknown model name to everyone present, so it was nicknamed "What's It?"

Tim Karash brought a ProMaster Servo. They are able to run on 4.8 to 8.4 volts, all metal gears, most have double ball bearings. The main body is carved from a block of aluminum. This particular one is capable of 270 oz-in of torque in a standard size case. It is 1/8th inch taller, from the mounting tabs upward, compared to a Futaba or JR.

Ryan Kontak brought in the 3D printed air ducting for his continuing evolution of his F18 foam project. Ryan has changed the power from a single pusher to dual internal ducted fans.

**Raffle:**

- |                         |               |
|-------------------------|---------------|
| 1) Bleriot III Kit      | Virgil Okeson |
| 2) 6 inch multi rule    | Gary          |
| 3) T-Pins               | Bob Barton    |
| 4) Epoxy Cups           | Tim Karash    |
| 5) Glue Syringe         | Lucky LaRue   |
| 6) Aliphatic Super Glue | Jeff Slater   |

# SERVO CHATTER

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## CONTRIBUTORS THIS MONTH

*Tim Karash*

*Ryan Kontak*

*Scott Oleson*

*Jeff Slater*

## ACRC SPONSORS

King Kong Hobbies  
Woodworking Plus  
Blackjacks Asphalt  
Rivard Companies

## CALENDAR OF UPCOMING EVENTS

Thursday – April 20

- ACRC Meeting-At CRCC

Saturday – April 22

- ACRC Fun Fly #1

Thursday – May 18

- ACRC Meeting-At FIELD

Saturday – May 20

- ACRC Fun Fly #2

Saturday – May 20

- ACRC Spring Fly-In

CCRC - Coon Rapids Community Center

